



Journal of Computational and Theoretical Nanoscience

Editor-in-Chief: Professor Dr. John Rui-Hua Xie

Computational and theoretical nanoscience. General mathematical procedures dealing with science, engineering, & technology

Google Scholar

Citation indices	All	Since 2012
Citations	12121	9068
h-index	48	40
i10-index	363	291

Title	1–1000	Cited by	Year
Spectral phonon transport properties of silicon based on molecular dynamics simulations and lattice dynamics		392	2008
AS Henry, G Chen Journal of Computational and Theoretical Nanoscience 5 (2), 141-152			
Negative refractive index materials		299	2006
V Veselago, L Braginsky, V Shklover, C Hafner Journal of Computational and Theoretical Nanoscience 3 (2), 189-218			
Current status of nanomedicine and medical nanorobotics		249	2005
RA Freitas Journal of Computational and Theoretical Nanoscience 2 (1), 1-25			
Photonic nanojets		198	2009
A Heifetz, SC Kong, AV Sahakian, A Taflove, V Backman Journal of computational and theoretical nanoscience 6 (9), 1979-1992			
Molecular-spintronics: the art of driving spin through molecules		183	2006
S Sanvito, AR Rocha Journal of Computational and Theoretical Nanoscience 3 (5), 624-642			
Effects of heat transfer in flow of nanofluids over a permeable stretching wall in a porous medium		160	2014
M Sheikholeslami, R Ellahi, HR Ashorynejad, G Domairry, T Hayat Journal of Computational and Theoretical Nanoscience 11 (2), 486-496			
Five-input majority gate, a new device for quantum-dot cellular automata		105	2010
K Navi, S Sayedsalehi, R Farazkish, MR Azghadi Journal of Computational and Theoretical Nanoscience 7 (8), 1546-1553			
Influence of morphology on the optical properties of metal nanoparticles		99	2007
AL Gonzalez, C Noguez Journal of computational and theoretical nanoscience 4 (2), 231-238			
Elastic theory of low-dimensional continua and its applications in bio-and nano-structures		90	2008
ZC Tu, ZC Ou-Yang Journal of Computational and Theoretical Nanoscience 5 (4), 422-448			
Padmakar-Ivan index of TUC4C8 (S) nanotubes		89	2006
AR Ashrafi, A Loghman Journal of Computational and Theoretical Nanoscience 3 (3), 378-381			
Elastic properties and frequencies of free vibrations of single-layer graphene sheets		85	2010
SS Gupta, RC Batra Journal of Computational and Theoretical Nanoscience 7 (10), 2151-2164			
Application of native inhomogeneities to increase compactness of vertical field-effect transistors		83	2013
EL Pankratov, EA Bulaeva Journal of Computational and Theoretical Nanoscience 10 (4), 888-893			
Genetic algorithms for the geometry optimization of atomic and molecular clusters		83	2004
J Zhao, RH Xie Journal of Computational and Theoretical Nanoscience 1 (2), 117-131			
Second and third harmonic generation susceptibilities of spherical quantum dots: effects of impurities, electric field and size		78	2009
İ Karabulut, S Baskoutas Journal of Computational and Theoretical Nanoscience 6 (1), 153-156			
Influence of S and P doping in a graphene sheet		77	2008
AG Garcia, SE Baltazar, AHR Castro, JFP Robles, A Rubio Journal of Computational and Theoretical Nanoscience 5 (11), 2221-2229			

Title 1–1000	Cited by	Year
Graphene nano-ribbons under tension Z Xu Journal of Computational and Theoretical Nanoscience 6 (3), 625-628	75	2009
Density matrix renormalization group for dummies G De Chiara, M Rizzi, D Rossini, S Montangero Journal of Computational and Theoretical Nanoscience 5 (7), 1277-1288	71	2008
Metal-cage bonding, molecular structures and vibrational spectra of endohedral fullerenes: bridging experiment and theory AA Popov Journal of Computational and Theoretical Nanoscience 6 (2), 292-317	68	2009
Multiscale methods for micro/nano flows and materials M Kalweit, D Drikakis Journal of Computational and Theoretical Nanoscience 5 (9), 1923-1938	65	2008
Finite-difference time-domain modeling of decay rates in the near field of metal nanostructures F Kaminski, V Sandoghdar, M Agjo Journal of Computational and Theoretical nanoscience 4 (3), 635-643	65	2007
Binding energy of donor states in a quantum dot with parabolic confinement S Baskoutas, AF Terzis, E Voutsinas Journal of Computational and Theoretical Nanoscience 1 (3), 315-319	63	2004
Generating highly dark–bright solitons by Gaussian beam propagation in a PANDA ring resonator IS Amiri, J Ali Journal of Computational and Theoretical Nanoscience 11 (4), 1092-1099	62	2014
Tunable core size of carbon nanoscrolls X Shi, NM Pugno, H Gao Journal of Computational and Theoretical Nanoscience 7 (3), 517-521	62	2010
Optical solitons in photonic nano waveguides with an improved nonlinear Schrödinger's equation M Savescu, KR Khan, P Naruka, H Jafari, L Moraru, A Biswas Journal of Computational and Theoretical Nanoscience 10 (5), 1182-1191	60	2013
First-principles study on physical properties of a single ZnO monolayer with graphene-like structure ZC Tu Journal of Computational and Theoretical Nanoscience 7 (6), 1182-1186	60	2010
Computational studies of viral protein nano-actuators A Dubey, G Sharma, C Mavroidis, MS Tomassone, K Nikitzuk, ... Journal of Computational and Theoretical Nanoscience 1 (1), 18-28	60	2004
Continuous theory of ferroelectric states in ultrathin films with real electrodes AM Bratkovsky, AP Levanyuk Journal of Computational and Theoretical Nanoscience 6 (3), 465-489	59	2009
Fractal dimension on carbon nanotube-polymer composite materials using percolation theory F Mollaamin, M Monajjemi Journal of Computational and Theoretical Nanoscience 9 (4), 597-601	58	2012
Decreasing of depth of implanted-junction rectifier in semiconductor heterostructure by optimized laser annealing EL Pankratov Journal of Computational and Theoretical Nanoscience 7 (1), 289-295	57	2010
Field computations of optical antennas R Kappeler, D Erni, C Xudong, L Novotny Journal of Computational and Theoretical Nanoscience 4 (3), 686-691	57	2007
Optical quantum generation and transmission of 57–61 GHz frequency band using an optical fiber optics IS Amiri, J Ali Journal of Computational and Theoretical Nanoscience 11 (10), 2130-2135	56	2014
Computational neurogenetics N Kasabov, L Benuskova Journal of Computational and Theoretical Nanoscience 1 (1), 47-61	55	2004

Title 1–1000	Cited by	Year
Picosecond soliton pulse generation using a PANDA system for solar cells fabrication IS Amiri, J Ali Journal of Computational and Theoretical Nanoscience 11 (3), 693-701	54	2014
A new improved firefly algorithm for global numerical optimization GG Wang, L Guo, H Duan, H Wang Journal of Computational and Theoretical Nanoscience 11 (2), 477-485	54	2014
Flexural wave propagation in single-walled carbon nanotubes KM Liew, Y Hu, XQ He Journal of Computational and Theoretical Nanoscience 5 (4), 581-586	54	2008
Effect of thermal radiation for magnetohydrodynamic boundary layer flow of a nanofluid past a stretching sheet with convective boundary conditions S Nadeem, RU Haq Journal of Computational and Theoretical Nanoscience 11 (1), 32-40	53	2014
Nanoparticle's size effect on its translocation across a lipid bilayer: A molecular dynamics simulation X Lin, Y Li, N Gu Journal of Computational and Theoretical Nanoscience 7 (1), 269-276	52	2010
Adsorption at nanostructured surfaces from first principles A Groß Journal of Computational and Theoretical Nanoscience 5 (5), 894-922	52	2008
Balaban index of an armchair polyhex, TUC4C8 (R) and TUC4C8 (S) nanotorus A Iranmanesh, AR Ashrafi Journal of Computational and Theoretical Nanoscience 4 (3), 514-517	52	2007
Computational notes on the reactivity of some functional groups M Ibrahim, AA Mahmoud Journal of Computational and Theoretical Nanoscience 6 (7), 1523-1526	51	2009
Femtosecond optical quantum memory generation using optical bright soliton IS Amiri, J Ali Journal of Computational and Theoretical Nanoscience 11 (6), 1480-1485	50	2014
Two-temperature generalized thermoelastic interaction in an infinite fiber-reinforced anisotropic plate containing a circular cavity with two relaxation times IA Abbas, AM Zenkour Journal of Computational and Theoretical Nanoscience 11 (1), 1-7	50	2014
Hybridizing harmony search with biogeography based optimization for global numerical optimization G Wang, L Guo, H Duan, H Wang, L Liu, M Shao Journal of Computational and Theoretical Nanoscience 10 (10), 2312-2322	50	2013
Novel efficient adder circuits for quantum-dot cellular automata S Sayedsalehi, MH Moaiyeri, K Navi Journal of Computational and Theoretical Nanoscience 8 (9), 1769-1775	50	2011
Review and theory of optical soliton generation used to improve the security and high capacity of MRR and NRR passive systems IS Amiri, P Naraei, J Ali Journal of Computational and Theoretical Nanoscience 11 (9), 1875-1886	49	2014
Comparison of numerical methods for the analysis of plasmonic structures J Smajic, C Hafner, L Raguin, K Tavzarashvili, M Mishrikey Journal of Computational and Theoretical Nanoscience 6 (3), 763-774	49	2009
New theoretical approach of the physical processes in nanostructures M Agop, N Forna, I Casian-Botez, C Bejenariu Journal of Computational and Theoretical Nanoscience 5 (4), 483-489	49	2008
Event-by-event simulation of quantum phenomena: Application to Einstein-Podolsky-Rosen-Bohm experiments H De Raedt, K De Raedt, K Michielsen, K Keimpema, S Miyashita Journal of Computational and Theoretical Nanoscience 4 (5), 957-991	49	2007
Comparison and evaluation of spectral energy methods for predicting phonon properties JM Larkin, JE Turney, AD Massicotte, CH Amon, AJH McGaughey Journal of Computational and Theoretical Nanoscience 11 (1), 249-256	47	2014

Title 1–1000	Cited by	Year
Hybrid differential artificial bee colony algorithm A Abraham, RK Jatoth, A Rajasekhar Journal of computational and theoretical Nanoscience 9 (2), 249-257	47	2012
Optical properties of nanostructures from time-dependent density functional theory A Castro, MAL Marques, JA Alonso, A Rubio Journal of Computational and Theoretical Nanoscience 1 (3), 231-255	47	2004
Flow of viscous nanofluid between the concentric cylinders A Zeeshan, M Baig, R Ellahi, T Hayat Journal of Computational and Theoretical Nanoscience 11 (3), 646-654	46	2014
First-principles study of ferroelectric oxide epitaxial thin films and superlattices: role of the mechanical and electrical boundary conditions J Junquera, P Ghosez Journal of Computational and theoretical nanoscience 5 (11), 2071-2088	46	2008
High-temperature photonic structures. Thermal barrier coatings, infrared sources and other applications V Shklover, L Braginsky, G Witz, M Mishrikey, C Hafner Journal of Computational and Theoretical Nanoscience 5 (5), 862	45	2008
Silicene and germanene: a first principle study of electronic structure and effect of hydrogenation-passivation S Trivedi, A Srivastava, R Kurchania Journal of Computational and Theoretical Nanoscience 11 (3), 781-788	44	2014
Monte Carlo quantum calculation for double-walled carbon nanotubes (DWNTs) combined to calixarene [6] H Yahyaei, M Monajjemi, H Aghaie, K Zare Journal of Computational and Theoretical Nanoscience 10 (10), 2332-2341	44	2013
Intermolecular Simulation of Nanobiological Structures in Point of Potential Energy and Second Virial Coefficient M Monajjemi, F Mollaamin Journal of Computational and Theoretical Nanoscience 9 (12), 2208-2214	44	2012
Event-based corpuscular model for quantum optics experiments K Michielsen, F Jin, H De Raedt Journal of Computational and Theoretical Nanoscience 8 (6), 1052-1080	42	2011
Szeged index of TUC4C8 (R) nanotube A Iranmanesh, B Soleimani, A Ahmadi Journal of Computational and Theoretical Nanoscience 4 (1), 147-151	42	2007
Thin film electrochemical memristive systems for bio-inspired computation V Erokhin, MP Fontana Journal of Computational and Theoretical Nanoscience 8 (3), 313-330	41	2011
New predictions of size-dependent nanoscale based on nonlocal elasticity for wave propagation in carbon nanotubes CW Lim, Y Yang Journal of Computational and Theoretical Nanoscience 7 (6), 988-995	41	2010
Hierarchical coexistence of universality and diversity controls robustness and multi-functionality in protein materials T Ackbarow, MJ Buehler Journal of Computational and Theoretical Nanoscience 5 (7), 1193-1204	41	2008
Conformational sampling of protein flexibility in generalized coordinates: application to ligand docking JA Kovacs, CN Cavasotto, R Abagyan Journal of Computational and Theoretical Nanoscience 2 (3), 354-361	41	2005
Chemistry at a higher level of abstraction MN Stojanovic, D Stefanovic Journal of Computational and Theoretical Nanoscience 8 (3), 434-440	40	2011
Gold, copper, silver and aluminum nanoantennas to enhance spontaneous emission A Mohammadi, V Sandoghdar, M Agio Journal of Computational and Theoretical Nanoscience 6 (9), 2024-2030	40	2009

Title	1–1000	Cited by	Year
Counting the number of hetero fullerenes M Ghorbani, AR Ashrafi Journal of Computational and Theoretical Nanoscience 3 (5), 803-810		40	2006
Fractional order GN model on thermoelastic interaction in an infinite fibre-reinforced anisotropic plate containing a circular hole IA Abbas Journal of Computational and Theoretical Nanoscience 11 (2), 380-384		38	2014
Nonlocal stress theory for buckling instability of nanotubes: new predictions on stiffness strengthening effects of nanoscales CW Lim, JC Niu, YM Yu Journal of Computational and Theoretical Nanoscience 7 (10), 2104-2111		38	2010
Nanotube oscillators: Properties and applications JW Kang, HJ Hwang Journal of Computational and Theoretical Nanoscience 6 (11), 2347-2379		38	2009
Cooperative effects in molecular conduction A Landau, L Kronik, A Nitzan Journal of Computational and Theoretical Nanoscience 5 (4), 535-544		38	2008
Size-dependent exciton energy of narrow band gap colloidal quantum dots in the finite depth square-well effective mass approximation S Baskoutas, AF Terzis, W Schommers Journal of Computational and Theoretical Nanoscience 3 (2), 269-271		38	2006
PI and Szeged indices of one-pentagonal carbon nanocones AR Ashrafi, H Saati Journal of Computational and Theoretical Nanoscience 4 (4), 761-763		37	2007
Simulation of Quantum Computation: A deterministic event-based approach K Michielsen, K De Raedt, H De Raedt Journal of Computational and Theoretical Nanoscience 2 (2), 227-239		37	2005
Extended Boole-Bell inequalities applicable to quantum theory H De Raedt, K Hess, K Michielsen Journal of Computational and Theoretical Nanoscience 8 (6), 1011-1039		36	2011
Perfect state transfer in quantum walks on graphs VM Kendon, C Tamon Journal of Computational and Theoretical Nanoscience 8 (3), 422-433		36	2011
Modeling of plasmonic waveguide components and networks G Veronis, ŞE Kocabaş, DAB Miller, S Fan Journal of Computational and Theoretical Nanoscience 6 (8), 1808-1826		36	2009
3D reconstruction of carbon nanotube composite microstructure using correlation functions DS Li, M Baniassadi, H Garmestani, S Ahzi, MM Reda Taha, D Ruch Journal of Computational and Theoretical Nanoscience 7 (8), 1462-1468		35	2010
Optimal control for open quantum systems: Qubits and quantum gates R Roloff, M Wenin, W Pötz Journal of Computational and Theoretical Nanoscience 6 (8), 1837-1863		35	2009
Semiconductor device modeling D Vasileska, D Mamaluy, HR Khan, K Raleva, SM Goodnick Journal of Computational and Theoretical Nanoscience 5 (6), 999-1030		35	2008
Computation of certain topological indices of nanotubes covered by C 5 and C 7 S Hayat, M Imran Journal of Computational and Theoretical Nanoscience 12 (4), 533-541		34	2015
New exact solutions for boundary-layer flow of a nanofluid past a stretching sheet EH Aly, A Ebaid Journal of Computational and Theoretical Nanoscience 10 (11), 2591-2594		34	2013
Effects of rarefaction on cavity flow in the slip regime S Mizzi, DR Emerson, SK Stefanov, RW Barber, JM Reese Journal of computational and theoretical nanoscience 4 (4), 817-822		34	2007

Title	1–1000	Cited by	Year
Theoretical analysis of diamond mechanosynthesis. Part I. Stability of C2 mediated growth of nanocrystalline diamond C (110) surface	J Peng, RA Freitas, RC Merkle Journal of computational and theoretical nanoscience 1 (1), 62-70	34	2004
Double image multi-encryption algorithm based on fractional chaotic time series	L Zhang, B He, J Sun, M Lai, Z Lv Journal of Computational and Theoretical Nanoscience 12 (11), 4980-4986	33	2015
Plane deformation due to thermal source in fractional order thermoelastic media	R Kumar, V Gupta, IA Abbas Journal of computational and theoretical nanoscience 10 (10), 2520-2525	33	2013
Event-by-event simulation of quantum cryptography protocols	S Zhao, H De Raedt Journal of Computational and Theoretical Nanoscience 5 (4), 490-504	33	2008
Design and analysis of a molecular tool for carbon transfer in mechanosynthesis	DG Allis, EK Drexler Journal of Computational and Theoretical Nanoscience 2 (1), 45-55	33	2005
Grey Clustering Analysis-Based Tennis Racket of Nanometer Materials Kinematic Mechanics Applied Research	B Zhang, X Cao, W Jiang, L Liu, F Li Journal of Computational and Theoretical Nanoscience 12 (10), 3218-3222	32	2015
Three-phase lag model on thermoelastic interaction in an unbounded fiber-reinforced anisotropic medium with a cylindrical cavity	IA Abbas Journal of Computational and Theoretical Nanoscience 11 (4), 987-992	32	2014
Identifying multi-functional enzyme by hierarchical multi-label classifier	Q Zou, W Chen, Y Huang, X Liu, Y Jiang Journal of Computational and Theoretical Nanoscience 10 (4), 1038-1043	32	2013
Using splitting artificial plant optimization algorithm to solve toy model of protein folding	Z Cui, D Liu, J Zeng, Z Shi Journal of Computational and Theoretical Nanoscience 9 (12), 2255-2259	32	2012
Entropy generation analysis of nanofluid flow in turbulent and laminar regimes	M Moghaddami, S Shahidi, M Siavashi Journal of Computational and Theoretical Nanoscience 9 (10), 1586-1595	32	2012
How to compute the atomic stress objectively?	B Liu, X Qiu Journal of Computational and Theoretical Nanoscience 6 (5), 1081-1089	32	2009
Computational nanomechanics of materials	WK Liu, S Jun, D Qian Journal of Computational and Theoretical Nanoscience 5 (5), 970-996	32	2008
Error correction and digitalization concepts in biochemical computing	L Fedichkin, E Katz, V Privman Journal of Computational and Theoretical Nanoscience 5 (1), 36-43	32	2008
Theoretical analysis of diamond mechanosynthesis. Part II. C2 mediated growth of diamond C (110) surface via Si/Ge-triadamantane dimer placement tools	DJ Mann, J Peng, RA Freitas, RC Merkle Journal of Computational and Theoretical Nanoscience 1 (1), 71-80	32	2004
Nanometer bandwidth soliton generation and experimental transmission within nonlinear fiber optics using an add-drop filter system	IS Amiri, SE Alavi, M Bahadoran, A Afroozeh, H Ahmad Journal of Computational and Theoretical Nanoscience 12 (2), 221-225	31	2015
An analytical transport model for nanomaterials: The quantum version	P Di Sia Journal of Computational and Theoretical Nanoscience 9 (1), 31-34	31	2012
Modeling of self-healing polymer composites reinforced with nanoporous glass fibers	V Privman, A Dementsov, I Sokolov Journal of Computational and Theoretical Nanoscience 4 (1), 190-193	31	2007

Title	1–1000	Cited by	Year
Large-scale hierarchical molecular modeling of nanostructured biological materials	MJ Buehler Journal of Computational and Theoretical Nanoscience 3 (5), 603-623	31	2006
Analytical treatment of the ring resonator passive systems and bandwidth characterization using directional coupling coefficients	IS Amiri, SE Alavi, H Ahmad Journal of Computational and Theoretical Nanoscience 12 (3), 418-424	30	2015
Influence of heat and mass transfer on micropolar fluid of blood flow through a tapered stenosed arteries with permeable walls	R Ellahi, SU Rahman, S Nadeem, NS Akbar Journal of Computational and Theoretical Nanoscience 11 (4), 1156-1163	30	2014
From discrete time quantum walk to continuous time quantum walk in limit distribution	Y Shikano Journal of Computational and Theoretical Nanoscience 10 (7), 1558-1570	30	2013
Structures and stabilities of platinum–gold nanoclusters	A Logsdail, LO Paz-Borbón, RL Johnston Journal of Computational and Theoretical Nanoscience 6 (4), 857-866	30	2009
Effects of shape on the phase stability of nanoparticles	G Guisbiers, G Abudukelimu, F Clement, M Wautelet Journal of Computational and Theoretical Nanoscience 4 (2), 309-315	30	2007
Localization of quantum walks induced by recurrence properties of random walks	E Segawa Journal of Computational and Theoretical Nanoscience 10 (7), 1583-1590	29	2013
Influence of the rotation and gravity field on Stonely waves in a non-homogeneous orthotropic elastic medium	AM Abd-Alla, SM Abo-Dahab, TA Al-Thamali, SR Mahmoud Journal of Computational and Theoretical Nanoscience 10 (2), 297-305	29	2013
The Laplace homotopy analysis method for solving a general fractional diffusion equation arising in nano-hydrodynamics	AS Arife, SK Vanani, F Soleymani Journal of Computational and Theoretical Nanoscience 10 (1), 33-36	29	2013
Simulation of electron transport in nanoscale independent-gate double-gate devices using a full 2D Green's function approach	JL Autran, D Munteanu Journal of Computational and Theoretical Nanoscience 5 (6), 1120-1127	29	2008
Theoretical analysis of diamond mechanosynthesis. Part III. Positional C2 deposition on diamond C (110) surface using Si/Ge/Sn-based dimer placement tools	J Peng, RA Freitas, RC Merkle, JR Von Ehr, JN Randall, GD Skidmore Journal of Computational and Theoretical Nanoscience 3 (1), 28-41	29	2006
Studies of carbon nanotube-based oscillators using molecular dynamics	S Xiao, DR Andersen, RP Han, W Hou Journal of Computational and Theoretical Nanoscience 3 (1), 142-147	29	2006
Endoscopic effects on the Peristaltic flow of Cu-water nanofluid	NS Akbar Journal of Computational and Theoretical Nanoscience 11 (4), 1150-1155	28	2014
Small universal spiking neural P systems with anti-spikes	T Song, Y Jiang, X Shi, X Zeng Journal of Computational and Theoretical Nanoscience 10 (4), 999-1006	28	2013
Radial vibrations in a non-homogeneous orthotropic elastic hollow sphere subjected to rotation	AM Abd-Alla, GA Yahya, SR Mahmoud Journal of Computational and Theoretical Nanoscience 10 (2), 455-463	28	2013
Modeling of ant colony's labor division for the multi-project scheduling problem and its solution by PSO	R Xiao, W Chen, T Chen Journal of Computational and Theoretical Nanoscience 9 (2), 223-232	28	2012

Title 1–1000	Cited by	Year
An analytical transport model for nanomaterials P Di Sia Journal of Computational and Theoretical Nanoscience 8 (1), 84-89	28	2011
Recent Progress in the Computational Study of Silicon and Germanium Clusters with Transition Metal Impurities JG Han, F Hagelberg Journal Of Computational And Theoretical Nanoscience 6 (2), 257-269	28	2009
A review on DNA computing models J Xu, G Tan Journal of Computational and Theoretical Nanoscience 4 (7-8), 1219-1230	28	2007
Uniquimer: software of de novo DNA sequence generation for DNA self-assembly—an introduction and the related applications in DNA self-assembly B Wei, Z Wang, Y Mi Journal of Computational and Theoretical Nanoscience 4 (1), 133-141	28	2007
A hybrid density functional study of armchair Si and Ge nanotubes P Pradhan, AK Ray Journal of Computational and Theoretical Nanoscience 3 (1), 128-133	28	2006
Quantum-inspired evolutionary algorithms and binary particle swarm optimization for training MLP and SRN neural networks GK Venayagamoorthy, G Singhal Journal of Computational and Theoretical Nanoscience 2 (4), 561-568	28	2005
Comparison of Control Light Using Kramers–Kronig Method by Three Waveguides A Afrozeh, IS Amiri, SE Pourmand, A Zeinalinezhad, SE Alavi, H Ahmad Journal of Computational and Theoretical Nanoscience 12 (8), 1864-1868	27	2015
Peristaltic flow with Maxwell carbon nanotubes suspensions NS Akbar Journal of Computational and Theoretical Nanoscience 11 (7), 1642-1648	27	2014
MHD peristaltic flow with carbon nanotubes in an asymmetric channel NS Akbar Journal of Computational and Theoretical Nanoscience 11 (5), 1323-1329	27	2014
Width dependent electronic properties of graphene nanoribbons: an ab-initio study A Srivastava, A Jain, R Kurchania, N Tyagi Journal of Computational and Theoretical Nanoscience 9 (7), 1008-1013	27	2012
Small universal spiking neural P systems with exhaustive use of rules X Zhang, Y Jiang, L Pan Journal of Computational and Theoretical Nanoscience 7 (5), 890-899	27	2010
Thermal conduction simulations in the nanoscale P Heino Journal of Computational and Theoretical Nanoscience 4 (5), 896-927	27	2007
Thermal interface conductance between aluminum and silicon by molecular dynamics simulations N Yang, T Luo, K Esfarjani, A Henry, Z Tian, J Shiomi, Y Chalopin, B Li, ... Journal of Computational and Theoretical Nanoscience 12 (2), 168-174	26	2015
Dual-phase-lag model on thermoelastic interactions in a semi-infinite medium subjected to a ramp-type heating IA Abbas, AM Zenkour Journal of Computational and Theoretical Nanoscience 11 (3), 642-645	26	2014
The effect of rotation and initial stress on thermal shock problem for a fiber-reinforced anisotropic half-space using Green-Naghdi theory IA Abbas, AM Zenkour Journal of Computational and Theoretical Nanoscience 11 (2), 331-338	26	2014
Decreasing of depth of pn-junction in a semiconductor heterostructure by serial radiation processing and microwave annealing EL Pankratov Journal of Computational and Theoretical Nanoscience 9 (1), 41-49	26	2012

Title	1–1000	Cited by	Year
Calculation of fluctuations in boundary layers of nanowire field-effect biosensors C Heitzinger, Y Liu, NJ Mauser, C Ringhofer, RW Dutton Journal of Computational and Theoretical Nanoscience 7 (12), 2574-2580		26	2010
Molecular dynamics investigation of loading rate effects on mechanical-failure behaviour of FCC metals B Mortazavi, AA Khatibi, C Politis Journal of Computational and Theoretical Nanoscience 6 (3), 644-652		26	2009
Theory and classification of nanostructure shells EF Kustov Journal of Computational and Theoretical Nanoscience 5 (3), 317-327		26	2008
Organic molecule adsorption on TiO2 nanoparticles: A review of computational studies of surface interactions P Zapol, LA Curtiss Journal of Computational and Theoretical Nanoscience 4 (2), 222-230		26	2007
The effect of gas adsorption on carbon nanotubes properties S Jalili, R Majidi Journal of Computational and Theoretical Nanoscience 3 (5), 664-669		26	2006
Mechanical Properties Modeling of Carbon Single-Walled Nanotubes: A Finite Element Method MN Ghasemi-Nejhad, D Askari Journal of Computational and Theoretical Nanoscience 2 (2), 298-318		26	2005
Modeling of stability and phase transformations in quasi-zero dimensional nanocarbon systems AS Barnard, SP Russo, IK Snook Journal of Computational and Theoretical Nanoscience 2 (2), 180-201		26	2005
Fullerene shuttle memory device based on nanopeapod: classical molecular dynamics study JW Kang, WY Choi, HJ Hwang Journal of Computational and Theoretical Nanoscience 1 (2), 199-203		26	2004
Structural transition of copper nanowires confined in single-walled carbon nanotubes Y Guo, Y Kong, W Guo, H Gao Journal of Computational and Theoretical Nanoscience 1 (1), 93-98		26	2004
Optical amplification of tweezers and bright soliton using an interferometer ring resonator system SE Alavi, IS Amiri, H Ahmad, N Faisal, ASM Supa'at Journal of Computational and Theoretical Nanoscience 12 (4), 624-629		25	2015
Non Bonded Interaction of B16N16 Nano Ring with Copper Cations in Point of Crystal Fields M Monajjemi, M Seyed Hosseini Journal of Computational and Theoretical Nanoscience 10 (10), 2473-2477		25	2013
Efficiency analysis of swarm intelligence and randomization techniques XS Yang Journal of Computational and Theoretical Nanoscience 9 (2), 189-198		25	2012
Fourier transform light scattering (FTLS) of cells and tissues H Ding, Z Wang, FT Nguyen, SA Boppart, LJ Millet, MU Gillette, J Liu, ... Journal of Computational and Theoretical Nanoscience 7 (12), 2501-2511		25	2010
A numerical method for computing the Wiener index of one-heptagonal carbon nanocone MA Alipour, AR Ashrafi Journal of Computational and Theoretical Nanoscience 6 (5), 1204-1207		25	2009
Bond-length and-energy variation of small gold nanoparticles W Qi, B Huang, M Wang Journal of Computational and Theoretical Nanoscience 6 (3), 635-639		25	2009
Molecular Orbital Theory of Nanoshells EF Kustov Journal of Computational and Theoretical Nanoscience 5 (11), 2144-2152		25	2008
Value approximation with least squares support vector machine in reinforcement learning system X Wang, X Tian, Y Cheng Journal of Computational and Theoretical Nanoscience 4 (7-8), 1290-1294		25	2007
Balaban index of zigzag polyhex nanotorus M Eliasi, B Taeri Journal of Computational and Theoretical Nanoscience 4 (6), 1174-1178		25	2007

Title	1–1000	Cited by	Year
Theoretical investigation of carbon nanotube Binding to DNA in View of Drug Delivery B Ghalandari, M Monajjemi, F Mollaamin Journal of Computational and Theoretical Nanoscience 8 (7), 1212-1219		24	2011
Spectroscopic analyses of cellulose and chitosan: FTIR and modeling approach M Ibrahim, O Osman, AA Mahmoud Journal of Computational and Theoretical Nanoscience 8 (1), 117-123		24	2011
Multiple multipole program modelling for nano plasmonic sensors T Sannomiya, C Hafner Journal of Computational and Theoretical Nanoscience 7 (8), 1587-1595		24	2010
An image fusion encryption algorithm based on DNA sequence and multi-chaotic maps X Xue, Q Zhang, X Wei, L Guo, Q Wang Journal of computational and theoretical Nanoscience 7 (2), 397-403		24	2010
Hierarchical multiscale modelling scheme from first principles to mesoscale A Lyubartsev, Y Tu, A Laaksonen Journal of Computational and Theoretical Nanoscience 6 (5), 951-959		24	2009
Molecular Dynamics Study on Mechanical Properties and Interfacial Morphology of an Aluminum Matrix Nanocomposite Reinforced by α-Silicon Carbide Nanoparticles H Gu, XL Gao, XC Li Journal of Computational and Theoretical Nanoscience 6 (1), 61-72		24	2009
Modeling theories of intelligent hydrogel polymers JR Saunders, S Abu-Salih, T Khaleque, S Hanula, W Moussa Journal of Computational and Theoretical Nanoscience 5 (10), 1942-1960		24	2008
A genetic algorithm approach to solving DNA fragment assembly problem SC Fang, Y Wang, J Zhong Journal of Computational and Theoretical Nanoscience 2 (4), 499-505		24	2005
Nonextensivity and nonintensity in nanosystems: A molecular dynamics simulation P Mohazzabi, AG Mansoori Journal of Computational and Theoretical Nanoscience 2 (1), 138-147		24	2005
Results of molecular dynamics computations of the structural and electrostatic properties of tubulin and their consequences for microtubules JA Tuszynski, T Luchko, EJ Carpenter, E Crawford Journal of Computational and Theoretical Nanoscience 1 (4), 392-397		24	2004
General harmonic index and general sum connectivity index of polyomino chains and nanotubes L Yan, W Gao, J Li Journal of Computational and Theoretical Nanoscience 12 (10), 3940-3944		23	2015
Indoor data transmission over ubiquitous infrastructure of powerline cables and LED lighting SE Alavi, IS Amiri, ASM Supa'at, SM Idrus Journal of Computational and Theoretical Nanoscience 12 (4), 599-604		23	2015
Structural and electronic properties of the graphene-like carbon nitride nanosheets EC Anota, HH Cocolletzi, M Castro Journal of Computational and Theoretical Nanoscience 10 (11), 2542-2546		23	2013
Chromatic polynomials of some dendrimers S Alikhani, MA Iranmanesh Journal of Computational and Theoretical Nanoscience 7 (11), 2314-2316		23	2010
Noncovalent 1: 2 complex of Meso-tetraphenylporphine with C60 fullerene: A Density Functional Theory study O Amelines-Sarria, Y Kolokoltsev, VA Basiuk Journal of Computational and Theoretical Nanoscience 7 (10), 1996-2003		23	2010
Surface roughness effects in micro and nanofluidic devices N Asproulis, D Drikakis Journal of Computational and Theoretical Nanoscience 7 (9), 1825-1830		23	2010
Composition and Space Structure of Nanoshells EF Kustov Journal of Computational and Theoretical Nanoscience 6 (3), 692-705		23	2009

Title	1–1000	Cited by	Year
The aqueous and crystalline forms of L-alanine zwitterion	I Degtyarenko, KJ Jalkanen, AA Gurtovenko, RM Nieminen Journal of Computational and Theoretical Nanoscience 5 (3), 277-285	23	2008
Kinetic Monte Carlo simulations of the response of carbon nanotubes to electron irradiation	J Kotakoski, AV Krasheninnikov, K Nordlund Journal of Computational and Theoretical Nanoscience 4 (6), 1153-1159	23	2007
Interaction of porphines with single-Walled carbon nanotubes: a DFT study with minimal basis set	VA Basiuk Journal of Computational and Theoretical Nanoscience 3 (5), 767-774	23	2006
The Debye screening length in ultrathin films of nonlinear optical, optoelectronic, and related materials: Simplified theory and suggestion for experimental determination	KP Ghatak, S Bhattacharya, H Saikia, D Baruah, A Saikia, KM Singh, A Ali, ... Journal of Computational and Theoretical Nanoscience 3 (5), 727-751	23	2006
Radio Frequency signal generation and wireless transmission using PANDA and Add/drop systems	IS Amiri, SE Alavi, H Ahmad Journal of Computational and Theoretical Nanoscience 12 (8), 1770-1774	22	2015
Carbon Nanotube as a Deliver for Sulforaphane in Broccoli Vegetable in Point of Nuclear Magnetic Resonance and Natural Bond Orbital Specifications	M Monajjemi, M Ahmadianarog Journal of Computational and Theoretical Nanoscience 11 (6), 1465-1471	22	2014
Deformation due to thermal source in micropolar thermoelastic media with thermal and conductive temperatures	R Kumar, IA Abbas Journal of Computational and Theoretical Nanoscience 10 (9), 2241-2247	22	2013
QSAR properties of novel peptidomimetic NS3 protease inhibitors	M Ibrahim, NA Saleh, WM Elshemey, AA Elsayed Journal of Computational and Theoretical Nanoscience 10 (4), 785-788	22	2013
TD-GC-MS analysis on thermal release behavior of poplar composite biomaterial under high temperature	W Peng, L Wang, Q Xu, Q Wu, S Xiang Journal of Computational and Theoretical Nanoscience 9 (9), 1431-1433	22	2012
Topics in reaction-diffusion computers	A Adamatzky Journal of Computational and Theoretical Nanoscience 8 (3), 295-303	22	2011
On the structural analysis and electronic properties of chitosan/hydroxyapatite interaction	ESM El-Sayed, A Omar, M Ibrahim, WI Abdel-Fattah Journal of Computational and Theoretical Nanoscience 6 (7), 1663-1669	22	2009
Bio-ferroelectricity at the nanoscale	JA Tuszynski, TJA Craddock, EJ Carpenter Journal of Computational and Theoretical Nanoscience 5 (10), 2022-2032	22	2008
Variance-reduced particle methods for solving the Boltzmann equation	LL Baker, NG Hadjiconstantinou Journal of Computational and Theoretical Nanoscience 5 (2), 165-174	22	2008
Toward a cognitive behavioral reference model of artificial brains	Y Wang Journal of Computational and Theoretical Nanoscience 9 (2), 178-188	21	2012
Theoretical insights into the structures of graphene oxide and its chemical conversions between graphene	X Gao, D Jiang, Y Zhao, S Nagase, S Zhang, Z Chen Journal of Computational and Theoretical Nanoscience 8 (12), 2406-2422	21	2011
Quantum annealing: An introduction and new developments	M Ohzeki, H Nishimori Journal of Computational and Theoretical Nanoscience 8 (6), 963-971	21	2011
Solitonic ionic currents along microtubules	MV Satarić, D Sekulić, M Živanov Journal of Computational and Theoretical Nanoscience 7 (11), 2281-2290	21	2010

Title	1–1000	Cited by	Year
A density functional theory study of porphyrin–pyridine–fullerene triad ZnTPP· Py· C60 VA Basiuk, O Amelines-Sarria, Y Kolokoltsev Journal of Computational and Theoretical Nanoscience 7 (11), 2322-2330		21	2010
Interaction of meso-tetraphenylporphines with C60 fullerene: comparison of several density functional theory functionals implemented in DMol3 module Y Kolokoltsev, O Amelines-Sarria, TY Gromovoy, VA Basiuk Journal of Computational and Theoretical Nanoscience 7 (6), 1095-1103		21	2010
Spectroscopic analyses of cellulose: Fourier transform infrared and molecular modelling study M Ibrahim, O Osman Journal of Computational and Theoretical Nanoscience 6 (5), 1054-1058		21	2009
Carbon nanotubes as gun and molecular motor JD Nero, AMJC Neto Journal of Computational and Theoretical Nanoscience 4 (3), 606-610		21	2007
Nano-tribological analysis by molecular dynamics simulation—a review LC Zhang, K Mylvaganam Journal of Computational and Theoretical Nanoscience 3 (2), 167-188		21	2006
Toward integrated nanosystems: Fundamental issues in design and modeling KE Drexler Journal of Computational and Theoretical Nanoscience 3 (1), 1-10		21	2006
Generation of femtosecond soliton tweezers using a half-Panda system for modeling the trapping of a human red blood cell IS Amiri, SE Alavi, MRK Soltanian, ASM Supa'at, N Fisal, H Ahmad Journal of Computational and Theoretical Nanoscience 12 (1), 10-18		20	2015
Deformation due to thermal source in micropolar generalized thermoelastic half-space by finite element method IA Abbas, R Kumar Journal of Computational and Theoretical Nanoscience 11 (1), 185-190		20	2014
On the initial stress, magnetic field, voids and rotation effects on plane waves in generalized thermoelasticity AM El-Naggar, Z Kishka, AM Abd-Alla, IA Abbas, SM Abo-Dahab, ... Journal of Computational and Theoretical Nanoscience 10 (6), 1408-1417		20	2013
Specific heat capacity of TiO2 nanoparticles M Saeedian, M Mahjour-Shafiei, E Shojaei, MR Mohammadzadeh Journal of Computational and Theoretical Nanoscience 9 (4), 616-620		20	2012
Fuzzy logic based controller for peak traffic detection in elevator systems P Cortés, JR Fernández, J Guadix, J Muñuzuri Journal of Computational and Theoretical Nanoscience 9 (2), 310-318		20	2012
Using fitness landscape to improve the performance of particle swarm optimization Z Cui, X Cai, Z Shi Journal of Computational and Theoretical Nanoscience 9 (2), 258-265		20	2012
Buckling analysis of cantilever carbon nanotubes using the strain gradient elasticity and modified couple stress theories B Akgöz, Ö Civalek Journal of Computational and Theoretical Nanoscience 8 (9), 1821-1827		20	2011
Memory circuit elements: from systems to applications YV Pershin, J Martinez-Rincon, M Di Ventra Journal of Computational and Theoretical Nanoscience 8 (3), 441-448		20	2011
Scale effect and buckling analysis of multilayered graphene sheets based on nonlocal continuum mechanics SC Pradhan, JK Phadikar Journal of Computational and Theoretical Nanoscience 7 (10), 1948-1954		20	2010
Using fuzzy-logic and neural network techniques to evaluating polyacrylonitrile nanofiber diameter AS Nateri, M Hasanzadeh Journal of Computational and Theoretical Nanoscience 6 (7), 1542-1545		20	2009

Title 1–1000	Cited by	Year
Path finding in the tile assembly model Y Brun, D Reishus Theoretical Computer Science 410 (15), 1461-1472	20	2009
Computations of lossy bloch waves in two-dimensional photonic crystals C Engström, C Hafner, K Schmidt Journal of computational and theoretical nanoscience 6 (3), 775-783	20	2009
Impact of High-κ Gate Stacks on Transport and Variability in Nano-CMOS Devices JR Watling, AR Brown, G Ferrari, JR Barker, G Bersuker, P Zeitzoff, ... Journal of Computational and Theoretical Nanoscience 5 (6), 1072-1088	20	2008
The carrier contribution to the elastic constants in cylindrical quantum dot of optoelectronic materials in the presence of crossed electric and magnetic fields: Simplified theory and a suggestion for experimental determination S Bhattacharya, S Chowdhury, S Ghoshal, SK Biswas, D De, KP Ghatak Journal of Computational and Theoretical Nanoscience 3 (3), 423-430	20	2006
Atomistic study on the tensile properties of hexagonal AlN, BN, GaN, InN and SiC sheets MQ Le Journal of Computational and Theoretical Nanoscience 11 (6), 1458-1464	19	2014
The Electromagnetic Feature of B15N15H x (x= 0, 4, 8, 12, 16, and 20) Nano Rings: Quantum Theory of Atoms in Molecules/NMR Approach F Mollaamin, J Najafpour, S Ghadami, AR Ilkhani, MS Akrami, ... Journal of Computational and Theoretical Nanoscience 11 (5), 1290-1298	19	2014
On the numerical solution of thermal shock problem for generalized magneto-thermoelasticity for an infinitely long annular cylinder with variable thermal conductivity IA Abbas, SM Abo-Dahab Journal of Computational and Theoretical Nanoscience 11 (3), 607-618	19	2014
Molecular modelling of cellulose dissolution F Bazooyar, M Taherzadeh, C Niklasson, K Bolton Journal of Computational and Theoretical Nanoscience 10 (11), 2639-2646	19	2013
Monolayer graphene based CO2 gas sensor analytical model E Akbari, MT Ahmadi, MJ Kiani, HK Feizabadi, M Rahmani, M Khalid Journal of Computational and Theoretical Nanoscience 10 (6), 1301-1304	19	2013
Comparative Study of Polymorphous Alzheimer's Aβ(1-40) Amyloid Nanofibrils and Microfibers R Paparcone, J Sanchez, MJ Buehler Journal of Computational and Theoretical Nanoscience 7 (7), 1279-1286	19	2010
Symmetry decomposed multiple multipole program calculation of plasmonic particles on substrate for biosensing applications T Sannomiya, J Vörös, C Hafner Journal of Computational and Theoretical Nanoscience 6 (3), 749-756	19	2009
Nanoscale materials modelling using neural networks N Asproulis, D Drikakis Journal of Computational and Theoretical Nanoscience 6 (3), 514-518	19	2009
Silicon-carbide nanostructures to nanotubes MN Huda, L Kleinman, AK Ray Journal of Computational and Theoretical Nanoscience 4 (4), 739-744	19	2007
Mechanics of protein crystals: Atomistic modeling of elasticity and fracture MJ Buehler Journal of Computational and Theoretical Nanoscience 3 (5), 670-683	19	2006
Electronic contribution to the elastic constants in strained layer quantum dot superlattices of non-parabolic semiconductors with graded interfaces LJ Singh, S Choudhary, A Mallik, KP Ghatak Journal of Computational and Theoretical Nanoscience 2 (2), 287-292	19	2005
Multiscale simulation of the synthesis, assembly and properties of nanostructured organic/inorganic hybrid materials C McCabe, SC Glotzer, J Kieffer, M Neurock, PT Cummings Journal of Computational and Theoretical Nanoscience 1 (3), 265-279	19	2004

Title 1–1000	Cited by	Year
An application of non-extensive statistical mechanics to nanosystems GR Vakili-Nezhaad, GA Mansoori Journal of Computational and Theoretical Nanoscience 1 (2), 227-229	19	2004
Comparing algorithms for graph isomorphism using discrete-and continuous-time quantum random walks K Rudinger, JK Gamble, E Bach, M Friesen, R Joynt, SN Coppersmith Journal of Computational and Theoretical Nanoscience 10 (7), 1653-1661	18	2013
Wave propagation in a cylindrical human long wet bone AM Abd-Alla, GA Yahya Journal of Computational and Theoretical Nanoscience 10 (3), 750-755	18	2013
Coarse-grained elastic models of protein structures for understanding their mechanics and dynamics K Eom, G Yoon, JI Kim, S Na Journal of Computational and Theoretical Nanoscience 7 (7), 1210-1226	18	2010
Graphene nanocutting through nanopatterned vacancy defects R Jack, D Sen, MJ Buehler Journal of Computational and Theoretical Nanoscience 7 (2), 354-359	18	2010
Computational notes on fullerene based system as HIV-1 protease inhibitors M Ibrahim, NA Saleh, WM Elshemey, AA Elsayed Journal of Computational and Theoretical Nanoscience 7 (1), 224-227	18	2010
Intersubband refractive index and optical absorption coefficients changes in lens-shaped quantum dots MRK Vahdani, G Rezaei, M Barati Journal of Computational and Theoretical Nanoscience 6 (10), 2228-2234	18	2009
An effective simulated annealing algorithm for solving the traveling salesman problem Z Wang, X Geng, Z Shao Journal of computational and theoretical nanoscience 6 (7), 1680-1686	18	2009
Stochastic analysis of reversible self-assembly U Majumder, S Sahu, JH Reif Journal of Computational and Theoretical Nanoscience 5 (7), 1289-1305	18	2008
An ab initio study of molecular hydrogen interaction with SiC nanotube—a precursor to hydrogen storage S Mukherjee, AK Ray Journal of Computational and Theoretical Nanoscience 5 (7), 1210-1219	18	2008
Computing Padmakar-Ivan index of a TC4C8 (R) nanotorus AR Ashrafi, A Loghman Journal of Computational and Theoretical Nanoscience 5 (7), 1431-1434	18	2008
A General Rule for Nanoelectronic Push–Pull Devices Based on Source– Bridge-Drain DB de Lima, MAL Reis, FM de Souza, JD Nero Journal of computational and theoretical nanoscience 5 (4), 563-566	18	2008
Carbon nanotube and ordinary nanowire track as molecular motor A Neto Journal of Computational and Theoretical Nanoscience 4 (3), 611-613	18	2007
An analytic model for nano confined fluids phase-transition: applications for confined fluids in nanotube and nanoslit T Keshavarzi, R Sohrabi, GA Mansoori Journal of Computational and Theoretical Nanoscience 3 (1), 134-141	18	2006
Efficient quantum dot cellular automata memory architectures based on the new wiring approach S Angizi, K Navi, S Sayedsalehi, AH Navin Journal of Computational and Theoretical Nanoscience 11 (11), 2318-2328	17	2014
Modeling and optical properties of P2O5–ZnO–CaO–Na2O glasses doped with copper oxide H Elhaes, M Attallah, Y Elbasha, A Al-Alousi, M El-Okr, M Ibrahim Journal of Computational and Theoretical Nanoscience 11 (10), 2079-2084	17	2014
Investigation of the unsteady graphene oxide nanofluid flow between two moving plates M Azimi, A Azimi, M Mirzaei Journal of Computational and Theoretical Nanoscience 11 (10), 2104-2108	17	2014

Title	1–1000	Cited by	Year
Dispersion-corrected density functional theory calculations of meso-tetraphenylporphine-C60 complex by using DMol3 module	VA Basiuk, LV Henao-Holguín Journal of Computational and Theoretical Nanoscience 11 (7), 1609-1615	17	2014
Designing reconfigurable quantum-dot cellular automata logic circuits	K Navi, A Roohi, S Sayedsalehi Journal of Computational and Theoretical Nanoscience 10 (5), 1137-1146	17	2013
DFT study on the biomolecular storage capacity of armchair singled-walled carbon nanotubes	CM Chang, HL Tseng, AF Jalbout, A de Leon Journal of Computational and Theoretical Nanoscience 10 (3), 527-533	17	2013
Effect of Rotation on a Non-Homogenous Orthotropic Hollow Elastic Cylinder	AM Abd-Alla, GA Yahya, MH El-Thagafy Journal of Computational and Theoretical Nanoscience 10 (2), 347-352	17	2013
Free vibration of micro-and nano-shells based on modified couple stress theory	X Zhou, L Wang, P Qin Journal of Computational and Theoretical Nanoscience 9 (6), 814-818	17	2012
Computation of Multiplicative Inversion and Division in GF (2 n) by Self-Assembly of DNA Tiles	Z Cheng Journal of computational and theoretical nanoscience 9 (3), 336-346	17	2012
Computational and theoretical materiomics: properties of biological and de novo bioinspired materials	MJ Buehler Journal of Computational and Theoretical Nanoscience 7 (7), 1203-1209	17	2010
Vibration of single layer graphene sheet based on nonlocal elasticity and higher order shear deformation theory	SC Pradhan, B Sahu Journal of Computational and Theoretical Nanoscience 7 (6), 1042-1050	17	2010
Bayesian inference of spectral expansions for predictability assessment in stochastic reaction networks	K Sargsyan, B Debusschere, H Najm, Y Marzouk Journal of Computational and Theoretical Nanoscience 6 (10), 2283-2297	17	2009
Interactions of porphyrins with low-dimensional carbon materials	VA Basiuk, FF Contreras-Torres, M Bassioui, EV Basiuk Journal of Computational and Theoretical Nanoscience 6 (7), 1383-1411	17	2009
Analysis of the propagation of light along an array of nanorods using the generalized multipole techniques	N Talebi, M Shahabdi Journal of Computational and Theoretical Nanoscience 5 (4), 711-716	17	2008
Density Functional theory study of boron nitride nanotubes: calculations of the N-14 and B-11 nuclear quadrupole resonance parameters	Z Bagheri, M Mirzaei, NL Hadipour, MR Abolhassani Journal of Computational and Theoretical Nanoscience 5 (4), 614-618	17	2008
Simple theoretical analysis of the photoemission from quantum confined non-linear optical, optoelectronic, and related materials	S Bhattacharya, D De, S Chowdhury, S Karmakar, DK Basu, S Pahari, ... Journal of Computational and Theoretical Nanoscience 3 (2), 280-295	17	2006
The carrier contribution to the elastic constants in quantum wire superlattices of compound semiconductors with graded structures: Simplified theory and a suggestion for experimental determination	KP Ghatak, S Karmakar, D De, S Pahari, SK Charaborty, SK Biswas, ... Journal of Computational and Theoretical Nanoscience 3 (1), 153-165	17	2006
Biologically plausible computational neurogenetic models: modeling the interaction between genes, neurons and neural networks	N Kasabov, L Benuskova, SG Wysocki Journal of Computational and Theoretical Nanoscience 2 (4), 569-573	17	2005
Free Vibrations in a Spherical Non-Homogeneous Elastic Region	AM Abd-Alla Journal of Computational and Theoretical Nanoscience 10 (9), 1914-1920	16	2013

Title	1–1000	Cited by	Year
A new approach to compute Wiener index	P Manuel, I Rajasingh, B Rajan, RS Rajan Journal of Computational and Theoretical Nanoscience 10 (6), 1515-1521	16	2013
High performance photonic devices for multiplexing/demultiplexing applications in multi band operating regions	ANZ Rashed Journal of Computational and Theoretical Nanoscience 9 (4), 522-531	16	2012
Violation of bell's inequality and postulate on simultaneous measurement of compatible observables	A Khrennikov Journal of Computational and Theoretical Nanoscience 8 (6), 1006-1010	16	2011
Three-dimensional chemotaxis model for a single bacterium	JH Song, D Kim Journal of Computational and Theoretical Nanoscience 6 (7), 1687-1693	16	2009
The self-consistent and environment-dependent Hamiltonian and its application to carbon nanoparticles	WQ Tian, M Yu, C Leahy, CS Jayanthi, SY Wu Journal of Computational and Theoretical Nanoscience 6 (2), 390-396	16	2009
PI index of v-phenylenic nanotubes and nanotori	H Yousefi, A Bahrami, J Yazdani, AR Ashrafi Journal of Computational and Theoretical Nanoscience 4 (3), 604-605	16	2007
Mathematical description of dendrimer structure	IJ Majoros, CB Mehta, JR Baker Journal of Computational and Theoretical Nanoscience 1 (2), 193-198	16	2004
An optimized study of mixed convection flow of a rotating Jeffrey nanofluid on a rotating vertical cone	S Nadeem, S Saleem Journal of Computational and Theoretical Nanoscience 12 (10), 3028-3035	15	2015
Response of thermal source in initially stressed generalized thermoelastic half-space with voids	IA Abbas, R Kumar Journal of Computational and Theoretical Nanoscience 11 (6), 1472-1479	15	2014
Peristaltic flow of a nanofluid in a diverging tube for Jeffrey fluid	NS Akbar Journal of Computational and Theoretical nanoscience 11 (5), 1335-1341	15	2014
Solving the minimum vertex cover problem with DNA molecules in Adleman-Lipton model	Z Wang, D Huang, R Pei Journal of Computational and Theoretical Nanoscience 11 (2), 521-523	15	2014
Design of efficient and testable n-input logic gates in quantum-dot cellular automata	S Sayedsalehi, MH Moaiyeri, K Navi Journal of Computational and Theoretical Nanoscience 10 (10), 2347-2353	15	2013
Theoretical study of amino acids encapsulation in zigzag single-walled carbon nanotubes	CM Chang, HL Tseng, A de Leon, A Posada-Amarillas, AF Jalbout Journal of Computational and Theoretical Nanoscience 10 (3), 521-526	15	2013
A density functional theory comparison study of the surface and lattice energy of sodium chloride	TL Jensen, J Moxnes, E Unneberg Journal of Computational and Theoretical Nanoscience 10 (2), 464-469	15	2013
Total-Szeged index of C4-nanotubes, C4-nanotori and dendrimer nanostars	P Manuel, I Rajasingh, M Arockiaraj Journal of Computational and Theoretical Nanoscience 10 (2), 405-411	15	2013
Electronic and transport properties of zigzag boron nitride nanoribbons	HM Rai, NK Jaiswal, P Srivastava, R Kurchania Journal of Computational and Theoretical Nanoscience 10 (2), 368-375	15	2013
Band Gap Engineering in Zigzag Graphene Nanoribbons—An Ab Initio Approach	SS Chauhan, P Srivastava, AK Shrivastava Journal of Computational and Theoretical Nanoscience 9 (8), 1084-1089	15	2012
Research of DNA Sequences Sets Based on the Improved Genetic Algorithm	X Xia, Q Zhang, B Wang, Y Zhao Journal of Computational and Theoretical Nanoscience 9 (7), 969-973	15	2012

Title	1–1000	Cited by	Year
Binding Energy of Hydrogenic Impurity States in an Inverse Parabolic Quantum Well Under Electric and Magnetic Fields Parallel to the Growth Direction	S Baskoutas, AF Terzis Journal of Computational and Theoretical Nanoscience 7 (2), 492-497	15	2010
Modeling thermal conductivity and collective effects in a simple nanofluid	M Vladkov, JL Barrat Journal of Computational and Theoretical Nanoscience 5 (2), 187-193	15	2008
Fullerene-like cage clusters from non-carbon elements	J Zhao, L Ma, D Tian, R Xie Journal of Computational and Theoretical Nanoscience 5 (1), 7-22	15	2008
DNA encodings based on multi-objective particle swarm	S Zhou, Q Zhang, J Zhao, J Li Journal of Computational and Theoretical Nanoscience 4 (7-8), 1249-1252	15	2007
Computing the near-wall region in gas micro-and nanofluidics: critical Knudsen layer phenomena	JM Reese, Y Zheng, DA Lockerby Journal of Computational and Theoretical Nanoscience 4 (4), 807-813	15	2007
Horizontal Ge-Substituted Polymantane-Based C2 Dimer Placement Tooltips for Diamond Mechano-synthesis	RA Freitas, DG Allis, RC Merkle Journal of Computational and Theoretical Nanoscience 4 (3), 433-442	15	2007
Metallic photonic crystals at optical frequencies	C Hafner, C Xudong, R Vahldieck Journal of computational and theoretical nanoscience 2 (2), 240-250	15	2005
Efficient single-electron transistor inverter-based logic circuits and memory elements	A Sahafi, MH Moaiyeri, K Navi, O Hashemipour Journal of Computational and Theoretical Nanoscience 10 (5), 1171-1178	14	2013
Graphene nanoribbon field effect transistor logic gates performance projection	Z Johari, FKA Hamid, MLP Tan, MT Ahmadi, FK Harun, R Ismail Journal of Computational and Theoretical Nanoscience 10 (5), 1164-1170	14	2013
Effects of orbital cutoff in DMol3 DFT calculations: a case study of meso-tetraphenylporphyrin-C60 complex	VA Basiuk, LV Henao-Holguín Journal of Computational and Theoretical Nanoscience 10 (5), 1266-1272	14	2013
HR-Curve: a novel 2D graphical representation of protein sequence and its multi-application	L Huang, H Tan, B Liao Journal of Computational and Theoretical Nanoscience 10 (1), 257-264	14	2013
Magnetic quantum cellular automata-based logic computation structure: a full-adder study	X Yang, L Cai, Q Kang Journal of Computational and Theoretical Nanoscience 9 (4), 621-625	14	2012
Structural and electronic properties of ammonia adsorption on the C30B15N15 heterofullerene: A density functional theory study	E Zahedi, A Seif, TS Ahmadi Journal of Computational and Theoretical Nanoscience 8 (10), 2159-2165	14	2011
The electronic properties of SiC graphene-like: doped and no-doped case	EC Anota, HH Coccoletzi, AB Hernández, JF Ramírez Journal of Computational and Theoretical Nanoscience 8 (4), 637-641	14	2011
Computer-aided molecular modeling and experimental validation of water permeability properties in biosynthetic materials	A Gautieri, M Ionita, D Silvestri, E Votta, S Vesentini, GB Fiore, N Barbani, ... Journal of Computational and Theoretical Nanoscience 7 (7), 1287-1293	14	2010
Natural frequencies of carbon nanotubes based on simplified Bresse-Timoshenko theory	I Elishakoff, D Pentaras Journal of Computational and Theoretical Nanoscience 6 (7), 1527-1531	14	2009

Title	1–1000	Cited by	Year
Fragment molecular orbital (FMO) and FMO-MO calculations of DNA: accuracy validation of energy and interfragment interaction energy	T Watanabe, Y Inadomi, H Umeda, K Fukuzawa, S Tanaka, T Nakano, ... Journal of Computational and Theoretical Nanoscience 6 (6), 1328-1337	14	2009
Gigahertz oscillators constructed from carbon nanocones inside carbon nanotubes	D Baowan, JM Hill Journal of Computational and Theoretical Nanoscience 5 (3), 302-310	14	2008
Non-Covalent Conjugation of Nanoparticles to Antibodies via Electrostatic Interactions—A Computational Model	IA Sidorov, P Prabhakaran, DS Dimitrov Journal of Computational and Theoretical Nanoscience 4 (6), 1103-1107	14	2007
Method of auxiliary sources and model-based parameter estimation for the computation of periodic structures	K Tavzarashvili, C Hafner, C Xudong, R Vahldieck, D Kakulia, ... Journal of Computational and Theoretical Nanoscience 4 (3), 667-674	14	2007
High-pressure crystallisation of TiO₂ nanoparticles	DC Sayle, TXT Sayle Journal of Computational and Theoretical Nanoscience 4 (2), 299-308	14	2007
Theoretical Studies of CN and C₂ Addition to a (100)–(2× 1) Diamond Surface: Nanocrystalline Diamond Growth Mechanisms	M Sternberg, DA Horner, PC Redfern, P Zapol, LA Curtiss Journal of Computational and Theoretical Nanoscience 2 (2), 207-213	14	2005
Visualization of hybridization in nanocarbon systems	AS Barnard, SP Russo, IK Snook Journal of Computational and Theoretical Nanoscience 2 (1), 68-74	14	2005
Evaluation of decoherence for quantum control and computing	A Fedorov, L Fedichkin, V Privman Journal of Computational and Theoretical Nanoscience 1 (2), 132-143	14	2004
Electronic properties of GaN nanotube: ab initio study	KR Khaddeo, A Srivastava, R Kurchania Journal of Computational and Theoretical Nanoscience 10 (9), 2066-2070	13	2013
Schottky current in carbon nanotube-metal contact	S Sangtarash, H Sadeghi, MT Ahmadi, MH Ghadiry, S Anwar, R Ismail Journal of Computational and Theoretical Nanoscience 9 (10), 1554-1557	13	2012
Gas-sensing simulation of single-walled carbon nanotubes applied to detect gas decomposition products of SF₆	X Zhang, J Zhang, J Tang, B Yang Journal of Computational and Theoretical Nanoscience 9 (8), 1096-1100	13	2012
Study of small scale effect on nonlinear vibration of nano-plates	E Jomehzadeh, AR Saidi Journal of Computational and Theoretical Nanoscience 9 (6), 864-871	13	2012
Ab-Initio Study of Transition Metal (Ni) Interaction with Zigzag Graphene Nanoribbons	NK Jaiswal, P Srivastava Journal of Computational and Theoretical Nanoscience 9 (4), 555-559	13	2012
Ballistic conductance model of bilayer graphene nanoribbon (BGN)	H Sadeghi, MT Ahmadi, BI Ishak, SM Mousavi, R Ismail Journal of Computational and Theoretical Nanoscience 8 (10), 1993-1998	13	2011
On high-order FEM applied to canonical scattering problems in plasmonics	M Wang, C Engström, K Schmidt, C Hafner Journal of Computational and Theoretical Nanoscience 8 (8), 1564-1572	13	2011
Structural stability of clean, passivated, and partially dehydrogenated cuboid and octahedral nanodiamonds up to 2 nanometers in size	D Tarasov, E Izotova, D Alisheva, N Akberova, J Freitas, A Robert Journal of Computational and Theoretical Nanoscience 8 (2), 147-167	13	2011

Title 1–1000	Cited by	Year
Event-by-event simulation of a quantum eraser experiment F Jin, S Zhao, S Yuan, H De Raedt, K Michielsen Journal of Computational and Theoretical Nanoscience 7 (9), 1771-1782	13	2010
Structure and Properties of (GaAs) n Clusters GL Gutsev, MD Mochena, BC Saha, CA Weatherford, PA Derosa Journal of Computational and Theoretical Nanoscience 7 (1), 254-263	13	2010
A theoretical study for oxidative metabolism of salicylates ADT Freire, L Landivar, AN Queiroz, RS Borges Journal of Computational and Theoretical Nanoscience 6 (5), 1140-1142	13	2009
Influence of Light on the Einstein Relation in Ultra-Thin Films of III–V, Ternary and Quaternary Materials: Simplified Theory, Relative Comparison and Suggestion for Experimental Determination KP Ghatak, S Bhattacharya, D De, R Sarkar, S Pahari, A Dey, ... Journal of Computational and Theoretical Nanoscience 5 (7), 1345-1366	13	2008
Relationship between PI and Szeged indices of a triangulane and its associated dendrimer AR Ashrafi, H Saati Journal of Computational and Theoretical Nanoscience 5 (4), 681-684	13	2008
Modulational instability and pattern formation in DNA dynamics with viscosity CB Tabi, A Mohamadou, TC Kofané Journal of Computational and Theoretical Nanoscience 5 (4), 647-654	13	2008
Einstein relation in carbon nanotubes and quantum wires of nonlinear optical, optoelectronic and related materials: Simplified theory, relative comparison and suggestion for an experimental determination S Choudhury, D De, S Mukherjee, A Neogi, A Sinha, M Pal, SK Biswas, ... Journal of Computational and Theoretical Nanoscience 5 (3), 375-400	13	2008
Carbon nanotube and iron circle as molecular motor controlled by visible light A Neto Journal of Computational and Theoretical Nanoscience 4 (4), 745-748	13	2007
Efficient effective permittivity treatment for the 2D-FDTD simulation of photonic crystals T Jalali, K Rauscher, A Mohammadi, D Erni, C Hafner, W Bächtold, ... Journal of Computational and Theoretical Nanoscience 4 (3), 644-648	13	2007
Influence of epitaxial strain on supported metal cluster shapes via atomistic simulations C Mottet, J Goniakowski Journal of Computational and Theoretical Nanoscience 4 (2), 326-334	13	2007
Analytical approximations of partial differential equations of fractional order with multistep approach M Al-Smadi, A Freihat, MA Hammad, S Momani, OA Arqub Journal of Computational and Theoretical Nanoscience 13 (11), 7793-7801	12	2016
Oblique stagnation point flow of carbon nano tube based fluid over a convective surface S Nadeem, R Mehmood, NS Akbar Journal of Computational and Theoretical Nanoscience 12 (4), 605-612	12	2015
Simple logic computation based on the DNA strand displacement Y Wang, G Tian, H Hou, M Ye, G Cui Journal of Computational and Theoretical Nanoscience 11 (9), 1975-1982	12	2014
Validation of computational methods applied in molecular modeling of artemisinin with antimalarial activity CBR dos Santos, JB Vieira, A da Silva Formigosa, EVM da Costa, ... Journal of Computational and Theoretical Nanoscience 11 (3), 553-561	12	2014
Analytical Solution for Free Vibrations of Elastodynamic Problem in Orthotropic Hollow Sphere Under the Influence of Rotation SR Mahmoud Journal of Computational and Theoretical Nanoscience 11 (1), 137-146	12	2014
Mixed convection heat transfer performance in a ventilated inclined cavity containing heated blocks: effect of dispersing Al2O3 in water and aspect ratio of the block S Saedodin, M Biglari, MH Esfe, MJ Noroozi Journal of Computational and Theoretical Nanoscience 10 (11), 2663-2675	12	2013
Meijer's G-functions (MGFs) in Micro-and Nano-structures A Pishkoo, M Darus Journal of Computational and Theoretical Nanoscience 10 (10), 2478-2483	12	2013

Title	1–1000	Cited by	Year
Perpendicular electric field effect on bilayer graphene carrier statistic	M Saeidmanesh, MT Ahmadi, M Ghadiry, E Akbari, MJ Kiani, R Ismail Journal of Computational and Theoretical Nanoscience 10 (9), 1975-1978	12	2013
Tailoring the Electronic Structure of Zigzag Graphene Nanoribbons via Cu Impurities	NK Jaiswal, P Srivastava Journal of Computational and Theoretical Nanoscience 10 (6), 1441-1445	12	2013
Optimal aspect ratio of zinc oxide nanowires for a nanocomposite electrical generator	K Momeni, SMZ Mortazavi Journal of Computational and Theoretical Nanoscience 9 (10), 1670-1674	12	2012
Theoretical study of the anti-human immuno-deficiency virus TIBO molecule confined into carbon nanotubes	Y Belmiloud, M Ouraghi, M Brahimi, A Benaboura, D Charqaoui, ... Journal of Computational and Theoretical Nanoscience 9 (8), 1101-1108	12	2012
Evolution of quantum cellular automata in graphene nanoribbons	A León, Z Barticevic, M Pacheco Journal of Computational and Theoretical Nanoscience 9 (6), 802-807	12	2012
Evaluation of mechanical and piezoelectric properties of boron nitride nanotube: a novel electrostructural analogy approach	A Jafari, AA Khatibi, MM Mashhadi Journal of Computational and Theoretical Nanoscience 9 (3), 461-468	12	2012
Interaction of amino acids with single-walled carbon nanotubes: Insights from density functional theory calculations	VA Basiuk, M Bassiok Journal of Computational and Theoretical Nanoscience 5 (7), 1205-1209	12	2008
DNA-dendrimer nanocluster electrostatics prediction with the nonlinear Poisson-Boltzmann equation	A Nikakhtar, A Nasehzadeh, H Naghibi-Beidokhti, GA Mansoori Journal of Computational and Theoretical Nanoscience 2 (3), 378-384	12	2005
Defect nucleation during nanoindentation: an atomistic analysis	RW Leger, YL Shen, TA Khraishi Journal of Computational and Theoretical Nanoscience 1 (3), 261-264	12	2004
Generalized magneto-thermoelasticity with fractional derivative heat transfer for a rotation of a fibre-reinforced thermoelastic	SM Abo-Dahab, K Lotfy Journal of Computational and Theoretical Nanoscience 12 (8), 1869-1881	11	2015
The effect of magnetic field on thermal shock problem for a fiber-reinforced anisotropic half-space using Green-Naghdi's theory	IA Abbas, AM Zenkour Journal of Computational and Theoretical Nanoscience 12 (3), 438-442	11	2015
Molecular dynamics analysis of the thermal conductivity of graphene and silicene monolayers of different lengths	JJ Yeo, ZS Liu Journal of Computational and Theoretical Nanoscience 11 (8), 1790-1796	11	2014
Electronic and transport properties of silicene nanoribbons	S Trivedi, A Srivastava, R Kurchania Journal of Computational and Theoretical Nanoscience 11 (3), 789-794	11	2014
Eccentric sequences of two infinite classes of fullerenes	S Djafari, F Koorepazan-Moftakhar, AR Ashrafi Journal of Computational and Theoretical Nanoscience 10 (11), 2636-2638	11	2013
Molecular Dynamics Simulations of ZnO Nanostructures Under Strain: II-Nanorods	ME Kilic, S Erkoc Journal of Computational and Theoretical Nanoscience 10 (1), 112-118	11	2013
The effect of applied voltage on the carrier effective mass in ABA trilayer graphene nanoribbon	M Rahmani, MT Ahmadi, MH Ghadiry, J Samadi, S Anwar, R Ismail Journal of Computational and Theoretical Nanoscience 9 (10), 1618-1621	11	2012

Title	1–1000	Cited by	Year
Inclusion Complexation of Praziquantel and-Cyclodextrin, Combined Molecular Mechanic and Monte Carlo Simulation	GVS Mota, CX de Oliveira, AMJC Neto, FLP Costa Journal of Computational and Theoretical Nanoscience 9 (8), 1090-1095	11	2012
The new version of PI index and its computation for some nanotubes	A Kazemipour, O Khormali Journal of Computational and Theoretical Nanoscience 9 (3), 456-460	11	2012
Work functions of boron nitride nanoribbons: first-principles study	C He, Z Yu, LZ Sun, JX Zhong Journal of Computational and Theoretical Nanoscience 9 (1), 16-22	11	2012
Electronic and Magnetic Properties of BN Monolayer Sheets with H-or O-Saturated Vacancies: A First-Principles Study	Y Cui, Q Tang, Y Li, Z Zhou Journal of Computational and Theoretical Nanoscience 8 (8), 1513-1519	11	2011
Monte-Carlo simulation on gold nanoshells enhanced laser interstitial thermal therapy on target tumor	X Wang, X Gao, J Liu Journal of Computational and Theoretical Nanoscience 7 (6), 1025-1031	11	2010
3D DNA self-assembly model for graph vertex coloring	M Lin, J Xu, D Zhang, Z Chen, X Zhang, Z Cheng, Y Huang, Y Li Journal of Computational and Theoretical Nanoscience 7 (1), 246-253	11	2010
Molecular dynamics study of tunable double-walled carbon nanotube oscillator	JW Kang, DY Kang, YG Choi, S Lee, HJ Hwang Journal of Computational and Theoretical Nanoscience 6 (7), 1580-1584	11	2009
Electric polarizability and hyperpolarizability of the copper tetramer (Cu₄) from ab initio and density functional theory calculations	G Maroulis, A Haskopoulos Journal of Computational and Theoretical Nanoscience 6 (2), 418-427	11	2009
Micromechanical model of stress distribution and transfer in short-fiber-reinforced elastomer matrix composites	DS Zhu, BQ Gu, Y Chen Journal of Computational and Theoretical Nanoscience 5 (8), 1546-1550	11	2008
Einstein relation in quantum wells and nipi structures of nonlinear optical, optoelectronic and related materials: Simplified theory, relative comparison and suggestion for an experimental determination	S Mukherjee, SN Mitra, PK Bose, AR Ghatak, A Neogi, JP Banerjee, ... Journal of Computational and Theoretical Nanoscience 4 (3), 550-573	11	2007
Si-nanotrees: structure and electronic properties	M Menon, E Richter, I Lee, P Raghavan Journal of Computational and Theoretical Nanoscience 4 (2), 252-256	11	2007
Study the buckling of functionally graded nanobeams in elastic medium with surface effects based on a nonlocal theory	O Rahmani, SS Asemani, SAH Hosseini Journal of Computational and Theoretical Nanoscience 12 (10), 3162-3170	10	2015
Molecular Modelling Analyses of the Substituted 3'-Azido-2', 3' Dideoxythymidine	Z Al-Fifi, M Eid, NA Saleh, M Ibrahim Journal of Computational and Theoretical Nanoscience 11 (2), 409-412	10	2014
The electronic and quantitative structure activity relationship properties of modified telaprevir compounds as HCV NS3 protease inhibitors	NA Saleh, AA Elfiky, AA Ezat, WM Elshemey, M Ibrahim Journal of Computational and Theoretical Nanoscience 11 (2), 544-548	10	2014
A novel approach to identify protein coding domains by sampling binary profiles from genome	T Song, X Wang, Y Su Journal of Computational and Theoretical Nanoscience 11 (1), 147-152	10	2014
A New Approach to the Characterization of the Nano-Film Structure on Modified Electrode Systems by Factor Analysis Model	E Ding, AO Solak Journal of Computational and Theoretical Nanoscience 11 (1), 25-31	10	2014

Title	1–1000	Cited by	Year
Application of molecular dynamics in mechanical characterization of carbon nanocones MMS Fakhrabadi, B Dadashzadeh, V Norouzifard, A Allahverdzadeh Journal of Computational and Theoretical Nanoscience 10 (9), 1921-1927		10	2013
MRPGA: motif detecting by modified random projection strategy and genetic algorithm X Wang, T Song, Z Wang, Y Su, X Liu Journal of Computational and Theoretical Nanoscience 10 (5), 1209-1214		10	2013
Sadhana Index in Nanotechnology PV Khadikar, AR Ashrafi, MV Diudea, S Aziz, S Pandit, H Achrya, B Shaik, ... Journal of Computational and Theoretical Nanoscience 10 (1), 181-188		10	2013
Influence of carbon-doping by boron/nitrogen substitution in boron nitride nanotube, a density functional theory study of nuclear quadrupole resonance parameters J Kaur, N Goel Journal of Computational and Theoretical Nanoscience 10 (1), 48-53		10	2013
Vibration analysis of a carbon nanotube-based resonator using finite element method SS Chu, SJ Wu, WJ Chang Journal of Computational and Theoretical Nanoscience 10 (1), 119-122		10	2013
Molecular Dynamics Simulations of Zinc Oxide Nanostructures Under Strain: I-Nanoribbons ME Kilic, S Erkoc Journal of Computational and Theoretical Nanoscience 10 (1), 104-111		10	2013
Adsorption of Aromatic Heterocyclic Compounds on Pristine and Defect Graphene: A First-Principles Study L Yu, H Gao, J Zhao, J Qiu, C Yu Journal of Computational and Theoretical Nanoscience 8 (12), 2492-2497		10	2011
Evaluating the effect of mechanical loading on the electrical percolation threshold of carbon nanotube reinforced polymers: A 3D Monte-Carlo study A Ghazavizadeh, M Baniassadi, M Safdari, AA Atai, S Ahzi, SA Patlazhan, ... Journal of Computational and Theoretical Nanoscience 8 (10), 2087-2099		10	2011
Using layered geometry Green's functions in the multiple multipole program A Alparslan, C Hafner Journal of Computational and Theoretical Nanoscience 8 (8), 1600-1608		10	2011
Simulation study of the silicon oxide and water interface CD Lorenz, M Tsigie, SB Rempe, M Chandross, MJ Stevens, GS Grest Journal of Computational and Theoretical Nanoscience 7 (12), 2586-2601		10	2010
The eccentric connectivity index of zig-zag polyhex nanotubes and nanotori M Saheli, AR Ashrafi Journal of Computational and Theoretical Nanoscience 7 (10), 1900-1903		10	2010
Molecular dynamics simulations of stretching, twisting and fracture of super carbon nanotubes with different chiralities: towards smart porous and flexible scaffolds VR Coluci, NM Pugno Journal of Computational and Theoretical Nanoscience 7 (7), 1294-1298		10	2010
Multi-walled carbon nanotube oscillators as multi-frequency generators for nano embedded systems JW Kang, OK Kwon, JH Lee Journal of Computational and Theoretical Nanoscience 5 (3), 290-293		10	2008
A Molecular Dynamics Study on Oscillation of a Carbon Nanotube Inside an Encapsulating Boron–Nitride Nanotube JW Kang, HJ Hwang, Q Jiang Journal of Computational and Theoretical Nanoscience 3 (6), 880-884		10	2006
Strains in axial and lateral directions in carbon nanotubes P Jindal, VK Jindal Journal of Computational and Theoretical Nanoscience 3 (1), 148-152		10	2006
Metallic nanoclusters: computational investigations of their applicability as building blocks in nanotechnology M Rieth, W Schommers Journal of Computational and Theoretical Nanoscience 1 (1), 40-46		10	2004

Title 1–1000	Cited by	Year
On the Complex Systems' Deformation Thermodynamics at Nanoscale LR Manea, E Nechita, MC Danu, M Agop Journal of Computational and Theoretical Nanoscience 12 (11), 4693-4699	9	2015
AIM and NBO analyses on the interaction between SWCNT and cyclophosphamide as an anticancer drug: A density functional theory study Z Felegari, M Monajjemi Journal of Theoretical and Computational Chemistry 14 (03), 1550021	9	2015
Electronic Structural Investigation of Boron Nitride Nano Cage (B30N20) in Point of Exchange and Correlation Energy R Esmkhani, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (4), 652-659	9	2015
Ab-Initio Study of Structural and Electronic Properties of-Ge Nanowires N Tyagi, A Srivastava, R Pandey Journal of Computational and Theoretical Nanoscience 11 (5), 1367-1373	9	2014
A new correlation for viscosity of nanofluids with considering the temperature dependence Y Bakhshan, M Saljooghi Journal of computational and theoretical nanoscience 11 (3), 583-588	9	2014
A New Algorithm for Set Splitting Problem Based DNA Molecules Computation Z Wang, C Tang, H Liu, R Pei Journal of Computational and Theoretical Nanoscience 11 (3), 899-900	9	2014
Symmetry and PI index of C60+ 12n Fullerenes F Koorepazan-Moftakhar, AR Ashrafi Journal of Computational and Theoretical Nanoscience 10 (10), 2484-2486	9	2013
Molecular dynamics study on graphene-based nanoelectromechanical relays Z Hwang, JH Lee, JW Kang Journal of Computational and Theoretical Nanoscience 10 (8), 1892-1898	9	2013
Invasive weed optimization algorithm for solving permutation flow-shop scheduling problem H Chen, Y Zhou, S He, X Ouyang, P Guo Journal of Computational and Theoretical Nanoscience 10 (3), 708-713	9	2013
Design and evaluation of a reconfigurable fault tolerant quantum-dot cellular automata gate A Roohi, S Sayedsalehi, H Khademolhosseini, K Navi Journal of Computational and Theoretical Nanoscience 10 (2), 380-388	9	2013
Atomistic mechanisms in silicon carbide nanostructures PS Branicio Journal of Computational and Theoretical Nanoscience 9 (11), 1870-1880	9	2012
Diameter dependent electronic properties of zigzag single wall BX (X= N, P, As) nanotubes: ab-initio study A Srivastava, M Sharma, N Tyagi, SL Kothari Journal of Computational and Theoretical Nanoscience 9 (10), 1693-1699	9	2012
A new implicit finite difference algorithm of thermal melt flow in filling process based on projection method X Niu, W Liang, Y Zhao, H Hou, Y Mu, Z Huang, A Li Journal of Computational and Theoretical Nanoscience 9 (9), 1374-1378	9	2012
Spectroscopic analyses of chitosan interactions with amino acids MA Ibrahim, AEDA Gawad Journal of Computational and Theoretical Nanoscience 9 (8), 1120-1124	9	2012
Theory of a scalable electron-spin based quantum network inside a photonic crystal G González, MN Leuenberger, H Seigneur, WV Schoenfeld Journal of Computational and Theoretical Nanoscience 7 (9), 1651-1672	9	2010
Finite element analysis of asymmetric scanning near field optical microscopy probes V Lotito, U Sennhauser, C Hafner Journal of Computational and Theoretical Nanoscience 7 (8), 1596-1609	9	2010
Modified Schultz index of zig-zag polyhex nanotubes S Chen Journal of Computational and Theoretical Nanoscience 6 (7), 1499-1503	9	2009

Title 1–1000	Cited by	Year
The modified Schultz index of armchair polyhex nanotubes Z Xiao, S Chen Journal of Computational and Theoretical Nanoscience 6 (5), 1109-1114	9	2009
The modified Schultz index of nanotubes covered by C4 Z Xiao, S Chen, J Li Journal of Computational and Theoretical Nanoscience 6 (3), 662-666	9	2009
Molecular dynamics study on resonance characteristics of gigahertz carbon nanotube motor JW Kang, CS Won, GH Ryu, YG Choi Journal of Computational and Theoretical Nanoscience 6 (1), 178-186	9	2009
Atomistic simulations of the nonlinear deformation and damage modes of super carbon nanotubes Y Chen, Y Yin, Y Huang, KC Hwang Journal of Computational and Theoretical Nanoscience 6 (1), 41-45	9	2009
Structural and electronic properties of C60X6 (X= F, Cl, Br and I). A theoretical study M Ibrahim, AJ Hameed, H El-Haes, AF Jalbout Journal of Computational and Theoretical Nanoscience 5 (11), 2247-2251	9	2008
S-NICS: An Aromaticity Criterion for Nano Molecules M Monajjemi, NT Mohammadian Journal of Computational and Theoretical Nanoscience 12 (11), 4895-4914	8	2015
Harmonic Linear Combination and Normal Mode Analysis of Semiconductor Nanotubes Vibrations F Mollaamin, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (6), 1030-1039	8	2015
Nano Theoretical Study of pH and Solvent Effects on P53 Tumor-Suppressor Gene Mutation NA Moghaddam, MS Zadeh, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (3), 356-360	8	2015
Electronic structure and physical-chemistry properties relationship for phenothiazine derivatives by quantum chemical calculations S Belaidi, Z Almi, D Bouzidi Journal of Computational and Theoretical Nanoscience 11 (12), 2481-2488	8	2014
An ultra high-speed (4; 2) compressor with a new design approach for nanotechnology based on the multi-input majority function E Alkaldy, K Navi, F Sharifi, MH Moaiyeri Journal of Computational and Theoretical Nanoscience 11 (7), 1691-1696	8	2014
Photocatalytic performance of TiO2 thin films deposited on soda-lime glass and the effect of post-annealing on their properties SS Wang, FJ Shiou, KL Chiou, CC Tsao, CY Hsu Journal of Computational and Theoretical Nanoscience 11 (7), 1667-1673	8	2014
Axial vibration of embedded nanorods under transverse magnetic field effects via nonlocal elastic continuum theory T Murmu, S Adhikari, MA McCarthy Journal of Computational and Theoretical Nanoscience 11 (5), 1230-1236	8	2014
Computational Investigation of Carbon Nanotubes Enhanced Membrane for Water Desalination Based on Flux and Rejection Characteristics F Kiani, T Khosravi, F Moradi, P Rahbari, MJ Aghaei, M Arabi, H Tajik, ... Journal of Computational and Theoretical Nanoscience 11 (5), 1237-1243	8	2014
Effect of Divalent Metals on the Molecular Structure of Protein: Modeling and Spectroscopic Approaches H Elhaes, NM Elkashef, FK Abdel-Gawad, AM Shaban, M Ibrahim Journal of Computational and Theoretical Nanoscience 11 (4), 1081-1085	8	2014
Vibrational analysis of cantilevered carbon-nanotube resonator with different linear density of attached mass: molecular dynamics simulations JH Lee, JW Kang Journal of Computational and Theoretical Nanoscience 10 (8), 1863-1867	8	2013
DNA self-assembly for graph vertex 3-coloring problem Y Wang, P Hu, X Shi, G Cui Journal of Computational and Theoretical Nanoscience 9 (12), 2086-2092	8	2012

Title	1–1000	Cited by	Year
Theory of ionization mechanism in graphene nanoribbons	M Ghadiry, ABA Manaf, M Nadi, M Rahmani, MT Ahmadi Journal of Computational and Theoretical Nanoscience 9 (12), 2190-2192	8	2012
Effects of Inlet Gas-Flow Rates on Synthesis of CuO Nanowires During Thermal Oxidation	CH Xu, SQ Shi, XL Yang Journal of Computational and Theoretical Nanoscience 9 (9), 1293-1297	8	2012
Spectroscopic Analyses of the Chromium Interaction with Protein	H Elhaes, H Moawad, M Ibrahim Journal of Computational and Theoretical Nanoscience 9 (8), 1036-1039	8	2012
Application of 3D DNA self-assembly for graph coloring problem	X Zhang, M Lin, Y Niu Journal of Computational and Theoretical Nanoscience 8 (10), 2042-2049	8	2011
Optical rectification and second harmonic generation of finite and infinite semi-parabolic quantum wells	MJ Karimi, A Keshavarz, G Rezaei Journal of Computational and Theoretical Nanoscience 8 (7), 1340-1345	8	2011
Exchange and Correlation Effect of Hydrogen Chemisorption on Nano V (100) Surface: A DFT Study by Generalized Gradient Approximation (GGA)	K Bakhshi, F Mollaamin, M Monajjemi Journal of Computational and Theoretical Nanoscience 8 (4), 763-768	8	2011
Nano-Friction of some carbon allotropes	K Mylvaganam, LC Zhang Journal of Computational and Theoretical Nanoscience 7 (10), 2199-2202	8	2010
Density Functional Theory Investigation of Natural Bond Orbital Population Analysis and Gauge-Including Atomic Orbital NMR Tensors of K@ B36N36	A Boshra, M Monajjemi, M Aghaie, H Aghaie Journal of Computational and Theoretical Nanoscience 7 (6), 1147-1158	8	2010
Theoretical study on electron transport through graphene strip with defects	Y Egami Journal of Computational and Theoretical Nanoscience 6 (12), 2662-2667	8	2009
Theoretical modeling of fullerene-porphyrine interactions: Computational implications	FF Contreras-Torres, AF Jalbout, OF Amelines, VA Basiuk Journal of Computational and Theoretical Nanoscience 5 (7), 1367-1371	8	2008
3-dimensional finite element time domain analysis of an asymmetric near-field optical probe	B Oswald, P Leidenberger, C Hafner Journal of Computational and Theoretical Nanoscience 5 (4), 735-745	8	2008
Numerical analysis of channel plasmon polaritons enhanced optical antennas	J Smajic, C Hafner, K Tavzarashvili, R Vahldieck Journal of Computational and Theoretical Nanoscience 5 (4), 725-734	8	2008
Vibrational dynamics and excess entropy of multi-grain nanoparticles	A Kara, AN Al-Rawi, TS Rahman Journal of Computational and Theoretical Nanoscience 1 (2), 216-220	8	2004
Computing the Szeged, Revised Szeged and Normalized Revised Szeged Indices of the Polycyclic Aromatic Hydrocarbons PAHk	L Yan, Y Li, MR Farahani, M Imran, MR Kanna Journal of Computational and Theoretical Nanoscience 13 (11), 8874-8878	7	2016
Water-dimer stability and its fullerene encapsulations	F Uhlík, Z Slanina, SL Lee, BC Wang, L Adamowicz, S Nagase Journal of Computational and Theoretical Nanoscience 12 (6), 959-964	7	2015
Semi-analytical and numerical solution of fractional order generalized thermoelastic in a semi-infinite medium	IA Abbas, AM Zenkour Journal of Computational and Theoretical Nanoscience 11 (7), 1592-1596	7	2014
Algorithm of solving the maximum edges independent set problem based on DNA molecules computation	Z Wang, W Huang, C Ye, Y Zhang Journal of Computational and Theoretical Nanoscience 11 (4), 961-963	7	2014

Title	1–1000	Cited by	Year
Intelligent computational nanotechnology: the role of computational intelligence in the development of nanoscience and nanotechnology	OPV Neto Journal of Computational and Theoretical Nanoscience 11 (4), 928-944	7	2014
Reflection and refraction of waves in nano-smart materials: anisotropic thermo-piezoelectric materials	AENN Abd-Alla, AY Al-Hossain, H Elhaes, M Ibrahim Journal of Computational and Theoretical Nanoscience 11 (3), 715-726	7	2014
Adsorption of n-alkyl derivatives on single walled carbon nanotubes (theoretical approach)	EAM Gad, JH Al-Fahemi, KS Khairou Journal of Computational and Theoretical Nanoscience 11 (2), 404-408	7	2014
Chaotic image encryption algorithm using multi-generalized logistic maps	G Ye Journal of Computational and Theoretical Nanoscience 10 (11), 2789-2795	7	2013
Fullerene as Sensor for Halides: Modeling Approach	H Elhaes, M Ibrahim Journal of Computational and Theoretical Nanoscience 10 (9), 2026-2028	7	2013
Molecular Dynamics Study on Nanoscale Graphene-Flake with Self-Retracting Motion	JW Kang Journal of Computational and Theoretical Nanoscience 10 (8), 1677-1683	7	2013
Nonlinear modeling of flux linkage for a bearingless permanent magnet synchronous motor with modified particle swarm optimization and least squares support vector machines	X Sun, H Zhu, Z Yang Journal of Computational and Theoretical Nanoscience 10 (2), 412-418	7	2013
Analysis of photonic structures by the multiple multipole program with complex origin layered geometry Green's functions	A Alparslan, C Hafner Journal of Computational and Theoretical Nanoscience 9 (3), 479-485	7	2012
Spectral properties of fullerenes	GH Fath-Tabar, AR Ashrafi, D Stevanović Journal of Computational and Theoretical Nanoscience 9 (3), 327-329	7	2012
Quantum entangled photosynthesis and or logic gates controlling minimal artificial cell	A Tamulis, M Grigalavicius, G Medzevicius, S Krisciukaitis Journal of Computational and Theoretical Nanoscience 9 (3), 351-359	7	2012
Theoretical and Computational Modeling of Endohedral Functionalization Energy for Armchair Models of Nanotubes	M Fusaro Journal of Computational and Theoretical Nanoscience 8 (10), 1950-1953	7	2011
Computational myths and mysteries that have grown around microtubule in the last half a century and their possible verification	S Sahu, S Ghosh, D Fujita, A Bandyopadhyay Journal of Computational and Theoretical Nanoscience 8 (3), 509-515	7	2011
Theoretical Calculation of Shrinking and Stretching in Bond Structure of Monolayer Graphite Flake via Hole Doping Treatment	O Özsoy, K Harigaya Journal of Computational and Theoretical Nanoscience 8 (1), 31-37	7	2011
Ab-initio study of zigzag single wall carbon nanotubes	US Sharma, A Srivastava, UP Verma Journal of Computational and Theoretical Nanoscience 7 (8), 1479-1481	7	2010
Application of DNA self-assembly on graph coloring problem	X Zhang, Y Niu, G Cui, J Xu Journal of Computational and Theoretical Nanoscience 6 (5), 1067-1074	7	2009
Radar absorbers based on frequency selective surfaces on perforated substrates	A Fallahi, M Mishrikey, C Hafner, R Vahldieck Journal of Computational and Theoretical Nanoscience 5 (4), 704-710	7	2008

Title	1–1000	Cited by	Year
A Nano Capacitor Including Graphene Electrodes and the Hydrogen Insulator	H Rahmati, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (10), 3473-3481	6	2015
Effect of Rotation on Magneto-Thermoelastic Homogeneous Isotropic Hollow Cylinder with Energy Dissipation Using Finite Element Method	MIA Othman, IA Abbas Journal of Computational and Theoretical Nanoscience 12 (9), 2399-2404	6	2015
Interferential Behaviors in Nanostructures via Non-Differentiability	IC Botez, L Vrajitoriu, C Rusu, M Agop Journal of Computational and Theoretical Nanoscience 12 (8), 1483-1489	6	2015
Stop Light Generation Using Nano Ring Resonators for Read Only Memory	A Afroozeh, A Zeinalinezhad, IS Amiri, SE Pourmand Journal of Computational and Theoretical Nanoscience 12 (3), 468-472	6	2015
2'-Methylguanosine prodrug (IDX-184), phosphoramidate prodrug (Sofosbuvir), diisobutyl prodrug (R7128) are better than their parent nucleotides and ribavirin in hepatitis C virus inhibition: a molecular modeling study	AA Elfiky, WM Elshemey, WA Gawad Journal of Computational and Theoretical Nanoscience 12 (3), 376-386	6	2015
Homotopy analysis method for harmonic waves propagation in nonlinear thermoelasticity with magnetic field and rotation	MS Mohamed, SM Abo-Dahab, AM Abd-Alla Journal of Computational and Theoretical Nanoscience 11 (5), 1354-1361	6	2014
Dual-Phase-Lag Diffusion Model for Thomson's Phenomenon on Electromagneto-thermoelastic an Infinitely Long Solid Cylinder	A Abouelregal, SM Abo-Dahab Journal of Computational and Theoretical Nanoscience 11 (4), 1031-1039	6	2014
A note on 'A new approach to compute Wiener index'	A Ilić Journal of Computational and Theoretical Nanoscience 11 (4), 958-960	6	2014
Investigation of tunable characteristics of independently driven double gate FinFETs in analog/RF domain using TCAD simulations	KK Nagarajan, R Srinivasan Journal of Computational and Theoretical Nanoscience 11 (3), 821-826	6	2014
DNA Sequence Set Design by Improved Genetic Algorithm	Q Zhang, Y Zhao, B Wang Journal of Computational and Theoretical Nanoscience 11 (3), 739-743	6	2014
Bio-inspired oscillators with single-electron transistors: circuit simulation and input encoding example	JG Guimarães, ARS Romariz Journal of Computational and Theoretical Nanoscience 10 (11), 2563-2567	6	2013
A Special Issue on Theoretical and Mathematical Aspects of Discrete Time Quantum Walks	E Segawa, A Perez, J Wang Journal of Computational and Theoretical Nanoscience 10 (7), 1555-1556	6	2013
On the Solution of Linear and Nonlinear Fractional Integro-Differential Equations in Nano-Transistors	M Avaji, SS Dehcheshmeh, JS Hafshejani, DF Ghahfarokhi Journal of Computational and Theoretical Nanoscience 10 (2), 510-513	6	2013
The Sum-Balaban Index of a Class of Dendrimers	R Wu, H Deng Journal of Computational and Theoretical Nanoscience 9 (10), 1667-1669	6	2012
Interaction of Nano Structure Material with Heme Molecule: Modelling Approach	H Elhaes, O Osman, M Ibrahim Journal of Computational and Theoretical Nanoscience 9 (7), 901-905	6	2012
Feature Selection on Cancer Classification by a Two-Step Clustering Algorithm	B Liao, Y Lu, W Zhu, R Li Journal of Computational and Theoretical Nanoscience 8 (9), 1792-1797	6	2011

Title 1–1000	Cited by	Year
Machine learning: How it can help nanocomputing MA Uusitalo, J Peltonen, T Ryhänen Journal of Computational and Theoretical Nanoscience 8 (8), 1347-1363	6	2011
Half-metallicity in doped armchair graphene nanoribbons—an ab initio approach SS Chauhan, P Srivastava, R Kurchania Journal of Computational and Theoretical Nanoscience 8 (4), 729-735	6	2011
Ultraviolet Spectroscopy and Density of State for Free Oseltamivir in Aqueous Solution by Computational Methods GVDS Mota, FLP Costa, SBDO Fernandes, MB De Amorim, AMJC Neto Journal of Computational and Theoretical Nanoscience 8 (4), 586-592	6	2011
A Review on Nanorobotics A Neto, IA Lopes, KR Pirola Journal of Computational and Theoretical Nanoscience 7 (10), 1870-1877	6	2010
Mathematical studies and simulations of nematic liquid crystal polymers and nanocomposites H Zhou, MG Forest, H Wang Journal of Computational and Theoretical Nanoscience 7 (4), 645-660	6	2010
Optical characteristics of rhombic hybrid Au–Ag nanostructures calculated by discrete dipole approximation method S Zhu, W Zhou Journal of Computational and Theoretical Nanoscience 7 (3), 634-637	6	2010
Effect of Metal Substitution on the Electronic Properties of Fullerene and Fullerypyrrolidine H Elhaes, A Babaier, M Ibrahim Journal of Computational and Theoretical Nanoscience 7 (3), 536-541	6	2010
Theoretical and Computational Modeling of Functionalization Energy for Highly Symmetrical Molecules: Nanotubes and Fullerenes M Fusaro Journal of Computational and Theoretical Nanoscience 6 (5), 1175-1180	6	2009
Sadhana: A New Topological Index for Carbon Nanotubes (CNTs) S Aziz, AD Manikpuri, PV Khadikar, PE John Journal of Computational and Theoretical Nanoscience 6 (3), 673-675	6	2009
Analysis of C60 Doping with Gallium, Indium and Phosphorus Using Semiempirical Molecular Modelling M Ibrahim, H El-Haes, AF Jalbout, AJ Hameed, A de Leon Journal of Computational and Theoretical Nanoscience 6 (1), 85-88	6	2009
Novel carbon nanotube peapods encapsulating Au32 golden fullerene J Zhao, B Wen, Z Zhou, T Li, Z Chen, P von Ragué Schleyer, JRH Xie Journal of Computational and Theoretical Nanoscience 3 (3), 459-462	6	2006
Modified add-drop microring resonator for temperature sensing A Mohamad, M Bahadoran, A Noorden, A Fakhurrizi, S Aziz, ... Journal of Computational and Theoretical Nanoscience 12 (10), 3188-3193	5	2015
Simulating spiking neural P systems with circuits X Zeng, X Zhang, J Zhang, J Liu Journal of Computational and Theoretical Nanoscience 12 (9), 2023-2026	5	2015
Computational Methods Applied in Physical-Chemistry Property Relationships of Thiophene Derivatives S Belaidi, H Belaidi, D Bouzidi Journal of Computational and Theoretical Nanoscience 12 (8), 1737-1745	5	2015
An improved discrete firefly algorithm for the traveling salesman problem L Zhou, L Ding, X Qiang, Y Luo Journal of Computational and Theoretical Nanoscience 12 (7), 1184-1189	5	2015
A novel quantum-dot cellular automata reconfigurable majority gate with 5 and 7 inputs support K Navi, H Mohammadi, S Angizi Journal of Computational and Theoretical Nanoscience 12 (3), 399-406	5	2015
Theoretical study on modified boceprevir compounds as NS3 protease inhibitors NA Saleh, AA Ezat, AA Elfiky, WM Elshemey, M Ibrahim Journal of Computational and Theoretical Nanoscience 12 (3), 371-375	5	2015

Title 1–1000	Cited by	Year
Encapsulation Dynamics of a C60 Buckminsterfullerene Into a Graphene Nanoribbon Trench SY Kim, JW Kang Journal of Computational and Theoretical Nanoscience 11 (10), 2125-2129	5	2014
Two-Photon absorption spectra predicted by semiempirical methods IH Nayyar, AE Masunov Journal of Computational and Theoretical Nanoscience 11 (10), 2208-2220	5	2014
The magnetizability and chemical shift relationship in carbon nanotubes with PNP or NPN junction J Najafpour, M Monajjemi, H Aghaie Journal of Computational and Theoretical Nanoscience 11 (9), 2005-2016	5	2014
A novel and fast chaotic cryptosystem for image encryption B Wang, X Wei, Q Zhang Journal of Computational and Theoretical Nanoscience 11 (3), 731-738	5	2014
Multi-V tTernary Circuits by Carbon Nanotube Filed Effect Transistor Technology for Low-Voltage and Low-Power Applications M Maleknejad, R Faghieh Mirzaee, K Navi, O Hashemipour Journal of Computational and Theoretical Nanoscience 11 (1), 110-118	5	2014
Developing Flapping-Wings Based on Graphene Resonator for Nano-Ornithopter: Molecular Dynamics Simulation JW Kang, J Park, OK Kwon Journal of Computational and Theoretical Nanoscience 10 (8), 1669-1676	5	2013
Molecular spintronics control of photosynthesis in artificial cell A Tamulis, M Grigalavicius Journal of Computational and Theoretical Nanoscience 10 (4), 989-995	5	2013
Magnetic Properties of Single-Walled Carbon Nanotube Terminated by Si Atoms: A Density Functional Theory Study M Sargolzaei, S Keshavarz, M Esmaeilzadeh Journal of Computational and Theoretical Nanoscience 10 (3), 587-590	5	2013
Rough set-based feature weighted kernels for support vector machine X Li, F Rao, T Wang, T Qiu Journal of Computational and Theoretical Nanoscience 9 (12), 2250-2254	5	2012
Effect of vacancy on electronic and transport properties of graphene nanoribbons: An ab initio approach SS Chauhan, P Srivastava, AK Shrivastava Journal of Computational and Theoretical Nanoscience 9 (12), 2215-2216	5	2012
Computing USCI table of an infinite family of fullerenes M Ghorbani, AR Ashrafi Journal of Computational and Theoretical Nanoscience 9 (5), 681-687	5	2012
Structural stability of clean and passivated nanodiamonds having ledge, step, or corner features D Tarasov, E Izotova, D Alisheva, N Akberova, RA Freitas Journal of Computational and Theoretical Nanoscience 9 (1), 144-158	5	2012
The method of auxiliary sources approach to modeling of electromagnetic field scattering on two-dimensional periodic structures D Kakulia, K Tavzarashvili, G Ghvedashvili, D Karkashadze, C Hafner Journal of Computational and Theoretical Nanoscience 8 (8), 1609-1618	5	2011
Effective Young's Modulus of Carbon Nanotube Composites: From Multi-Scale Finite Element Predictions to an Analytical Rule SK Georgantzinos, GI Giannopoulos, NK Anifantis Journal of Computational and Theoretical Nanoscience 7 (8), 1436-1442	5	2010
Applications of the matrix package MATLAB in computing the Wiener polynomial of armchair polyhex nanotubes and nanotori H Shabani, AR Ashrafi Journal of Computational and Theoretical Nanoscience 7 (6), 1143-1146	5	2010
A numerical method for computing PI index of fullerene molecules containing carbon atoms H Sabaghian-Bidgoli, AR Ashrafi Journal of Computational and Theoretical Nanoscience 6 (7), 1706-1708	5	2009

Title	1–1000	Cited by	Year
The electronic spin-subbands states entanglement in a rashba 2d isotropic quantum dot R Safaiee, N Foroozani, MM Golshan Journal of Computational and Theoretical Nanoscience 6 (3), 686-691		5	2009
Computational Notes on the Analysis of C59-Zn, C59-Cd and C59-Hg Fullerenes M Ibrahim, H El-Haes, AF Jalbout, AAI Khalil, A de Leon Journal of Computational and Theoretical Nanoscience 6 (1), 80-84		5	2009
From molecules to nanoscale materials: the structural and electronic properties of small gallium arsenide clusters up to Ga9As9 X Zhou, J Zhao, X Chen, W Lu, R Xie, Z Chen, RB King Journal of Computational and Theoretical Nanoscience 5 (1), 70-79		5	2008
On Anti-Periodic Solutions for High-Order Cohen-Grossberg Neural Networks with Bounded Delays J Li, X Ma, Y Zhao Journal of Computational and Theoretical Nanoscience 12 (11), 4593-4600		4	2015
A Nano-Biotechnology Study of Gossypin-CNT as a Productive Drug for the Treatment of Diabetes E Shabanzadeh, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (11), 4076-4086		4	2015
Thermodynamic and Solvent Effect on Dynamic Structures of Nano Bilayer-Cell Membrane: Hydrogen Bonding Study F Mollaamin, A Ilkhani, N Sakhaei, B Bonsakhteh, A Faridchehr, S Tohidi, ... Journal of Computational and Theoretical Nanoscience 12 (10), 3148-3154		4	2015
Topological efficiency of fullerene F Koorepazan-Moftakhar, AR Ashrafi, O Ori, MV Putz Journal of Computational and Theoretical Nanoscience 12 (6), 971-975		4	2015
Development of Natural Blends for Removal of Organic Pollutants H Elhaes, AA Mahmoud, EM Ahmed, MS Abdel-Aal, O Osman, M Ibrahim Journal of Computational and Theoretical Nanoscience 11 (9), 1891-1898		4	2014
Evaluating the effect of mechanical loading on the effective thermal conductivity of CNT/polymer nanocomposites M Mazrouei, H Jokar, M Baniassadi, K Abrinia, M Haghighi-Yazdi Journal of Computational and Theoretical Nanoscience 11 (8), 1738-1744		4	2014
A composite method for feature selection of microarray data Z Li, A Yang, X Chen, L Zeng, T Cao Journal of Computational and Theoretical Nanoscience 11 (2), 472-476		4	2014
A Special Issue on Advanced Simulations Techniques and Multiscale Modeling in Nanoscience and Nanotechnology JW Kang, JH Lee, HJ Hwang Journal of Computational and Theoretical Nanoscience, vol. 10, issue 8, pp ...		4	2013
The Effect of Interconnect on the Circuit Performance of 22 nm Graphene Nanoribbon Field Effect Transistor and MOSFET Z Johari, FKA Hamid, MT Ahmadi, FK Harun, R Ismail Journal of Computational and Theoretical Nanoscience 10 (6), 1305-1309		4	2013
Temperature and chirality dependent mechanical properties of single-walled carbon nanotube ZH Liu, ZL Dong Journal of Computational and Theoretical Nanoscience 10 (4), 914-918		4	2013
The edge eccentric connectivity index of dendrimers ZN Odabaş Journal of Computational and Theoretical Nanoscience 10 (4), 783-784		4	2013
Arithmetic computation using self-assembly of DNA tiles: Subtraction in the method of complements Y Wang, D Wei, Z Wang, X Zhang, G Cui Journal of Computational and Theoretical Nanoscience 10 (2), 306-312		4	2013
Nonlinear modeling of flux linkage for a BPMSM with modified particle swarm optimization and least squares support vector machines X Sun, H Zhu, Z Yang Journal of Computational and Theoretical Nanoscience 10 (2), 416-422		4	2013

Title	1–1000	Cited by	Year
Silicon Carbide Nanotubes: From Finite Single-Walled to Infinite Multi-Walled K Adhikari, AK Ray Journal of Computational and Theoretical Nanoscience 9 (11), 1801-1829		4	2012
The Topological Study of an Infinite Family of Fullerenes with 12n Carbon Atoms M Faghani, AR Ashrafi, O Ori Journal of Computational and Theoretical Nanoscience 9 (10), 1577-1580		4	2012
Density Functional Theory Calculations of the Nuclear Magnetic Resonance Parameters for Two Dihydrochalcones SO Silva, MJC Corrêa, HR Bitencourt, WR Monteiro, J Lameira, LS Santos, ... Journal of Computational and Theoretical Nanoscience 9 (7), 953-956		4	2012
High Performance Photonic Crystal Substrate Wideband Terahertz Square Microstrip Patch Antenna L Yang, X Zhou Journal of Computational and Theoretical Nanoscience 9 (7), 931-935		4	2012
First principle study of structural and electronic properties of silicon nanowires A Srivastava, N Tyagi, RK Singh Journal of Computational and Theoretical Nanoscience 8 (8), 1418-1423		4	2011
Plasmonic V-Groove Waveguides: Building Blocks for Optical Transistor J Smajic, C Hafner Journal of Computational and Theoretical Nanoscience 7 (8), 1616-1622		4	2010
Computational modeling of the collective stochastic motion of kinesin nano motors Y Jamali, ME Fouladvand, H Rafii-Tabar Journal of Computational and Theoretical Nanoscience 7 (1), 146-152		4	2010
Effects of shock waves on biological membranes: a molecular dynamics study D Drikakis, J Lechuga, S Pal Journal of Computational and Theoretical Nanoscience 6 (7), 1437-1442		4	2009
Beam Splitter Achieved by Using Metallic Structure with Nanoslits Y Yang, Y Fu, H Yao, S Hu, S Zhou, W Yan, W Chen, G Cheng, Z Li Journal of Computational and Theoretical Nanoscience 6 (5), 1030-1033		4	2009
Analysis of the Vibrational Spectra and Thermal Parameters of C60 Chalcogenide Dimers M Ibrahim, AJ Hameed, AH Essa Journal of Computational and Theoretical Nanoscience 6 (3), 574-577		4	2009
Structural, Electronic and Spectroscopic Properties of C50 (D3) Derivatives: C50X12 (X= H, F, Cl, Br) CW Jiang, RH Xie, FL Li, WP Zhong Journal of Computational and Theoretical Nanoscience 6 (2), 379-389		4	2009
Fuzzy modeling and synchronization of chaotic two-cells quantum cellular neural networks nano system via a novel fuzzy model ZM Ge, SY Li Journal of Computational and Theoretical Nanoscience		4	2009
Computational intelligence in medicine and biology: a survey AV Vasilakos, G Spyrou Journal of Computational and Theoretical Nanoscience 5 (12), 2365-2376		4	2008
Padmakar-Ivan Index of q-Multi-Walled Carbon Nanotubes and Nanotori H Yousefi-Azari, AR Ashrafi Journal of Computational and Theoretical Nanoscience 5 (11), 2280-2283		4	2008
Novel Feature of Quantum Transport Through Ultra-Thin Quantum Film SK Maiti Journal of Computational and Theoretical Nanoscience 5 (7), 1398-1402		4	2008
Computing Padmakar-Ivan (PI) Index of HAC5C6C7 Nanotubes and Nanotori H Yousefi-Azari, A Bahrami, AR Ashrafi Journal of Computational and Theoretical Nanoscience 5 (1), 129-130		4	2008
Effects of heat-treatment patterns on the collapse-shrinkage characteristics in plantation-grown Eucalyptus timber YQ Wu, K Hayashi, Y Liu, M Sugimori Journal of Computational and Theoretical Nanoscience 5 (A8), 1-4		4	2008

Title	1–1000	Cited by	Year
Basic quantum theory for nanoscience	W Schommers Journal of Computational and Theoretical Nanoscience 4 (5), 992-1036	4	2007
Numerical optimization of photonic crystal structures	J Smajic, C Hafner, C Xudong, R Vahldieck Journal of Computational and Theoretical Nanoscience 4 (3), 675-685	4	2007
Dimer Reference Embedded Atom Method	K Takahashi Journal of computational and theoretical nanoscience 1 (2), 221-226	4	2004
Analytical Simulation of Singular Second-Order, Three Points Boundary Value Problems for Fredholm Operator Using Computational Kernel Algorithm	S Bushnaq, B Maayah, S Momani, OA Arqub, M Al-Smadi, A Alsaedi Journal of Computational and Theoretical Nanoscience 13 (11), 7816-7824	3	2016
Numerical simulation of dispersive shallow water waves with an efficient method	T Ak, S Karakoc, A Biswas Journal of Computational and Theoretical Nanoscience 12 (12), 5995-6001	3	2015
Intelligent computational control of multi-fingered dexterous robotic hand	D Chen, G Li, G Jiang, Y Fang, Z Ju, H Liu Journal of Computational and Theoretical Nanoscience 12 (12), 6126-6132	3	2015
Statistical Thermodynamic Study of Biginelli Reaction: A Nano Approach	S Dezfooli, H Lari, E Balali, R Khadivi, F Farzi, N Moradiyeh, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (11), 4478-4488	3	2015
Methanol-Single Walled Carbon Nano Tubes Nano Sensors: A Quantum Mechanics/Molecular Mechanic Simulation	H Jalilian, M Sayadian, A Elsagh, F Farzi, N Moradiyeh, NS Soofi, ... Journal of Computational and Theoretical Nanoscience 12 (11), 4785-4793	3	2015
QM/MM Study of Double Walled Zinc Oxide Nanotube (DWZnONTs) for Cylindrical Nano Capacitor Application	F Farzi, S Bagheri, M Rajabzadeh, M Sayadian, H Jalilian, N Moradiyeh, ... Journal of Computational and Theoretical Nanoscience 12 (11), 4862-4872	3	2015
Monte Carlo Study of Aquaporin, 1, 4 and 5 as the Nano Channel Membrane	S Tohidi, M Monajjemi, A Rustaiyan Journal of Computational and Theoretical Nanoscience 12 (11), 4345-4351	3	2015
Nanotube Carbon Application for Evaluating of Anti-Cancer Potential for Durian as an Equatorial Plant	A Faridchehr, A Rustaiyan, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (11), 4301-4314	3	2015
Theoretical and experimental study of the absorption spectra of Cr²⁺: ZnS and Fe²⁺: ZnS	Y Zhang, G Feng, X Gao, J Liu, S Zhou Journal of Computational and Theoretical Nanoscience 12 (8), 1956-1958	3	2015
Interferential behaviors in nanostructures via non-differentiability	I Casian-Botez, L Vrajitoriu, C Rusu, M Agop Journal of Computational and Theoretical Nanoscience 12 (8), 1483-1489	3	2015
A new biologically DNA computational algorithm to solve the k-vertex cover problem	K Zhao, Z Wang, Y Lu, J Qin, J Tan Journal of Computational and Theoretical Nanoscience 12 (3), 524-526	3	2015
Analytical-Numerical solution of thermoelastic interactions in a semi-infinite medium with one relaxation time	IA Abbas, M Marin, R Kumar Journal of Computational and Theoretical Nanoscience 12 (2), 287-291	3	2015
Stability Analysis of Jacobi Elliptic Solutions of Microtubule	MD Fendji, JY Effa, CGL Tiofack, L Kavitha, A Mohamadou, BZ Essimbi Journal of Computational and Theoretical Nanoscience 11 (11), 2297-2303	3	2014
Experimental results on the symmetry and topology of 3-and 4-generalized fullerenes	Z Mehranian, A Gholami, AR Ashrafi Journal of Computational and Theoretical Nanoscience 11 (11), 2283-2288	3	2014

Title	1–1000	Cited by	Year
Molecular Spectroscopic Study of Fulleropyrrolidine Carbodithioic Acid H Elhaes, NA Saleh, A Omar, M Ibrahim Journal of Computational and Theoretical Nanoscience 11 (10), 2136-2140		3	2014
Detecting the Maximum Similarity Bi-Clusters of Gene Expression Data with Evolutionary Computation X Peng, L Cai, B Liao, H Chen, W Zhu Journal of Computational and Theoretical Nanoscience 11 (7), 1585-1591		3	2014
Graphic mapping of protein-coding DNA sequence in four-dimensional space and its application XQ Qi, XH Li, ZH Qi Journal of Computational and Theoretical Nanoscience 11 (5), 1244-1251		3	2014
Effects of an endoscope and rotation on peristaltic flow in a tube with long wavelength AM Abd-Alla, SM Abo-Dahab, HD El-Shahrany Journal of Computational and Theoretical Nanoscience 11 (4), 1055-1068		3	2014
Effect of voids, rotation and initial stress on plane waves in generalized thermoelasticity SM Abo-Dahab Journal of Computational and Theoretical Nanoscience 11 (2), 464-471		3	2014
On the spectroscopic analyses of protein Z Al-Fifi, M Eid, M Ibrahim Journal of Computational and Theoretical Nanoscience 10 (10), 2375-2379		3	2013
Study of Some Nanostructures by Using Their Kekulé Structures M Ghorbani, E Naserpour Journal of Computational and Theoretical Nanoscience 10 (9), 2260-2263		3	2013
Molecular Dynamics Simulation on Asymmetric Oscillations of Graphene Nanoribbon JH Lee, S Lee, JW Kang Journal of Computational and Theoretical Nanoscience 10 (8), 1874-1878		3	2013
Velocity-Dependent Frequency of Carbon-Nanotube Oscillators with Intertube Gaps JW Kang, HJ Hwang Journal of Computational and Theoretical Nanoscience 10 (8), 1868-1873		3	2013
Sensitivity of Graphene-Nanoribbon-Based Accelerometer with Attached Mass KR Byun, KS Kim, HJ Hwang, JW Kang Journal of Computational and Theoretical Nanoscience 10 (8), 1886-1891		3	2013
Molecular Dynamics Study on Frequency-Controlled Carbon-Nanotube Oscillators YK Hong, HJ Hwang, KS Kim Journal of Computational and Theoretical Nanoscience 10 (6), 1310-1316		3	2013
Population transfer in disk shaped quantum dot in delayed half cycle pulses and magnetic field V Prasad, P Silotia Journal of Computational and Theoretical Nanoscience 10 (6), 1429-1435		3	2013
Ultra-Wideband Multi-Frequency Terahertz Square Microstrip Patch Antenna on Hybrid Photonic Crystal Substrate L Yang, X Zhou, H Li, K Fu, B Zhang Journal of Computational and Theoretical Nanoscience 10 (4), 968-973		3	2013
Adaptive cascaded-bistable stochastic resonance system research and design Y Gao, F Wang Journal of Computational and Theoretical Nanoscience 10 (2), 318-322		3	2013
Some New Golomb Rectangles Z Shao, J Zhou, M Liang, F Lang, X Xu Journal of Computational and Theoretical Nanoscience 10 (1), 66-68		3	2013
Polymeric nitrogen chain confined inside a silicon carbide nanotube F Zheng, C Wang, P Zhang Journal of Computational and Theoretical Nanoscience 9 (8), 1129-1133		3	2012
Refinement of molecular interaction parameters of AMBER force field for CO2 and 2-methylimidazolate complexes P Puphasuk, T Remsungnen Journal of Computational and Theoretical Nanoscience 9 (6), 889-893		3	2012

Title	1–1000	Cited by	Year
Study of IPR fullerenes by PI index H Sabaghian-Bidgoli, AR Ashrafi, M Fathy Journal of Computational and Theoretical Nanoscience 8 (7), 1259-1263		3	2011
Atomistic field theory of nano energy harvesting J Chen Journal of Computational and Theoretical Nanoscience 8 (4), 722-728		3	2011
Numerical simulation for nanoparticle growth in flame reactor and control of nanoparticles O Sadiku, ER Sadiku Journal of Computational and Theoretical Nanoscience 7 (11), 2262-2270		3	2010
The Vertex PI and Szeged Polynomials of an Infinite Family of Fullerenes M Ghorbani, M Hemmasi Journal of Computational and Theoretical Nanoscience 7 (11), 2411-2415		3	2010
Topical Review: Metallic Nanoparticles Array for Immunoassay S Zhu, Y Fu, J Hou Journal of Computational and Theoretical Nanoscience 7 (10), 1855-1869		3	2010
Light propagation in multilayered photonic structures M Mishrikey, L Braginsky, C Hafner Journal of Computational and Theoretical Nanoscience 7 (8), 1623-1630		3	2010
Theoretical and Computational Modeling of Functionalization Energy for Armchair Molecular Models of Nanotubes M Fusaro Journal of Computational and Theoretical Nanoscience 7 (8), 1393-1399		3	2010
Computational nanotechnology in biomedical nanometrics and nano-materials B Lone Journal of Computational and Theoretical Nanoscience 6 (10), 2146-2151		3	2009
Computational Nanoscience with NWChem TL Windus, EJ Bylaska, K Tsemekhman, J Andzelm, N Govind Journal of Computational and Theoretical Nanoscience 6 (6), 1297-1304		3	2009
Anomalous Quantum Diffusion in Order–Disorder Separated Double Quantum Ring: Persistent Current, Drude Weight and Related Issues SK Maiti Journal of Computational and Theoretical Nanoscience 5 (11), 2135-2139		3	2008
Using model of strain gradient membrane shell to characterize longitudinal wave dispersion in multi-walled carbon nanotubes L Wang, KM Liew, X He, Y Hu, Q Wang, W Guo, H Hu Journal of Computational and Theoretical Nanoscience 5 (10), 1980-1988		3	2008
Flat bands and surface states in two-dimensional metallic photonic crystals M Bergmair, K Hingerl, C Hafner Journal of Computational and Theoretical Nanoscience 5 (4), 717-724		3	2008
Biexciton Luminescence of PbS and PbSe Colloidal Quantum Dots in E-MAA and Phosphate Glasses S Baskoutas, AF Terzis Journal of Computational and Theoretical Nanoscience 5 (1), 88-92		3	2008
Symmetry property of fullerenes GR Vakili-Nezhaad, GA Mansoori, AR Ashrafi Journal of Computational and Theoretical Nanoscience 4 (6), 1202-1205		3	2007
An Efficient Computational Method for Handling Singular Second-Order, Three Points Volterra Integro-differential Equations M Ahmad, S Momani, OA Arqub, M Al-Smadi, A Alsaedi Journal of Computational and Theoretical Nanoscience 13 (11), 7807-7815		2	2016
Sadhana and Pi polynomials and their indices of an infinite class of the Titania Nanotubes TiO₂ (m, n) L Yan, Y Li, MR Farahani, M Imran Journal of Computational and Theoretical Nanoscience 13 (11), 8772-8775		2	2016
Intelligent recommendation of Chinese traditional medicine patents supporting new medicine's R&D N Deng, X Chen, D Li Journal of Computational and Theoretical Nanoscience 13 (9), 5907-5913		2	2016

Title 1–1000	Cited by	Year
Single Electron Quantum-Dot Cellular Automata, A Novel Device for Nano Scale Computations NK Fard, K Navi Journal of Computational and Theoretical Nanoscience 13 (7), 4771-4777	2	2016
the Theta Index Θ (G) of Titania Nanotubes TiO₂ (m, n) Y Li, L Yan, MR Farahani, M Imran, MK Jamil Journal of Computational and Theoretical Nanoscience	2	2016
Qualitative QSAR Studies, Electronic Structure, Drug Likeness of 1, 2-Dithiole-3-One Derivatives Y Rouahna, S Belaidi, D Harkati, A Kerassa Journal of Computational and Theoretical Nanoscience 12 (11), 4233-4241	2	2015
Non-Covalent Interaction Between Two Cylindrical Layers of (m, n)@(m', n') Multi Wall Boron Nitride Nanotubes: A Wave-Function Analyzing AM Nejad, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (10), 3902-3910	2	2015
Analytical Treatment and Modeling of Integrated Ring Resonator Device by Z-Transform Method for Signals Amplification S Aziz, M Bahadoran, A Noorden, A Fakhrurrazi, K Chaudhary, J Ali, ... Journal of Computational and Theoretical Nanoscience 12 (9), 2253-2258	2	2015
An Extension of the Domain of Influence Theorem for Generalized Thermoelasticity of Anisotropic Material with Voids M Marin, MIA Othman, IA Abbas Journal of Computational and Theoretical Nanoscience 12 (8), 1594-1598	2	2015
Continuum Solid Modeling Based Finite Element Method Simulation Approach for Wavy Single Walled Boron Nitride Nanotube Based Resonant Nano Mechanical Sensors S Kumar, SH Upadhyay, A Kumar Journal of Computational and Theoretical Nanoscience 12 (8), 1841-1846	2	2015
Simulated annealing with a hybrid local search for solving the traveling salesman problem D Zhao, W Xiong, Z Shu Journal of Computational and Theoretical Nanoscience 12 (7), 1165-1169	2	2015
Firefly algorithm solving multiple traveling salesman problem M Li, J Ma, Y Zhang, H Zhou, J Liu Journal of Computational and Theoretical Nanoscience 12 (7), 1277-1281	2	2015
On the Estrada and Laplacian Estrada Indices of Fullerenes M Ghorbani, E Bani-Asadi Journal of Computational and Theoretical Nanoscience 12 (6), 1064-1068	2	2015
Nonlinear Responses of Graphene Nanodisk Pressure Sensor JW Kang, Z Hwang Journal of Computational and Theoretical Nanoscience 12 (3), 425-430	2	2015
Computational Approaches to Study Peptidomimetic and Macrocyclic Hepatitis C Virus NS3 Protease Inhibitors AA Ezat, HI Mostafa, N El-Bialy, NA Saleh, MA Ibrahim Journal of Computational and Theoretical Nanoscience 12 (1), 52-59	2	2015
A finite element study of unsteady free convection heat and mass transfer in a Walters-B viscoelastic flow past a semi-infinite vertical plate R Kumar, IA Abbas, V Sharma, R Shyam Journal of Computational and Theoretical Nanoscience 11 (12), 2469-2475	2	2014
Analytical solutions of generalized thermoelastic interactions in a semi-infinite medium IA Abbas, YA Elmaboud Journal of Computational and Theoretical Nanoscience 11 (12), 2462-2468	2	2014
Finite element analysis in a rotating thermoelastic half-space with diffusion IA Abbas, B Singh Journal of Computational and Theoretical Nanoscience 11 (11), 2276-2282	2	2014
Mathematical Analysis of the Reflection Phenomenon of Longitudinal Waves at Nano Anisotropic Thermo-Piezoelectric Medium AEN Abd-Alla, AM Hamdan, H Elhaes, M Ibrahim Journal of Computational and Theoretical Nanoscience 11 (11), 2329-2338	2	2014

Title	1–1000	Cited by	Year
On the reflection of thermoelastic boundary half space with the magnetic field and rotation	SM Abo-Dahab, M Elsagheer Journal of Computational and Theoretical Nanoscience 11 (11), 2370-2378	2	2014
A Bio-Inspired Algorithm for the Fleet Size and Mix Vehicle Routing Problem	J He, T Song Journal of Computational and Theoretical Nanoscience 11 (10), 2085-2090	2	2014
Design and Evaluation of an Efficient Carbon Nano-Tube Field Effect Transistor-Based Ternary Full Adder Cell for Nanotechnology	M Maeen, K Navi Journal of Computational and Theoretical Nanoscience 11 (9), 1934-1941	2	2014
Robust Carbon Nanotube Field Effect Transistor-Based Penternary Logic Circuits	MH Moaiyeri, K Navi Journal of Computational and Theoretical Nanoscience 11 (9), 2055-2062	2	2014
A Fast Clique Search Algorithm for Vertex Transitive Graphs	XS Du Journal of Computational and Theoretical Nanoscience 11 (7), 1653-1655	2	2014
A Transfer Learning Model for Unbalanced Archaeal Bacterial Protein Subcellular Localization	H Chen, L Huang, H Huang, B Liao, Z Cao Journal of Computational and Theoretical Nanoscience 11 (7), 1579-1584	2	2014
A Novel Single Nucleotide Polymorphisms Quality Control Method in Genome-Wide Association Studies	Y Sun, R Li, B Liao, X Li, Z Cao Journal of Computational and Theoretical Nanoscience 11 (7), 1649-1652	2	2014
A Multiscale Approach in the Computational Modeling of Bio-Physical Environment of Micro-Mechanical Biosensor Towards the Prostate Specific Antigen Diagnosis	S Hoshyarmanesh, M Bahrami, R Kalantarinejad Journal of Computational and Theoretical Nanoscience 11 (5), 1374-1384	2	2014
Anomaly Detection Using a Novel Negative Selection Algorithm	J Zeng, Z Qin, W Tang Journal of Computational and Theoretical Nanoscience 10 (12), 2831-2835	2	2013
Stability Analysis of the Wedge of Rock Slope and Its Programmed Computation	J Jia, X Liu, X Zhang, X Li Journal of Computational and Theoretical Nanoscience 10 (12), 2902-2905	2	2013
Torsional buckling of single-walled carbon nanotubes with multi-vacancy defects	S Ziaee Journal of Computational and Theoretical Nanoscience 10 (11), 2586-2590	2	2013
A hybrid algorithm for protein structure prediction	C Zhou, Y Jiao, Q Zhang, B Wang, X Wei Journal of Computational and Theoretical Nanoscience 10 (11), 2701-2707	2	2013
Constructions for k-Dimensional Golomb Arrays	L Luo Journal of Computational and Theoretical Nanoscience 10 (10), 2442-2444	2	2013
Artificial Bee Colony Algorithm for the Minimum Load Coloring Problem	T Fei, W Bo, W Jin, DC Liu Journal of Computational and Theoretical Nanoscience 10 (9), 1968-1971	2	2013
Electronic and Optical Properties of Silicon Carbide Nanotubes and Nanoparticles Studied by Density Functional Theory Calculations: Effect of Doping and Environment	M Vörös, A Gali Journal of Computational and Theoretical Nanoscience 9 (11), 1906-1940	2	2012
Theoretical Investigation of a Benzene–Vanadium Multiple-Decked Sandwich Chain on a Gold Surface	M Rahman, R Muhida, M Chowdhury, S Hossein, H Setiyanto, ... Journal of Computational and Theoretical Nanoscience 9 (8), 1063-1066	2	2012
Multi-Frequency Terahertz Square Microstrip Patch Antenna on Two-Layer Photonic Crystal Substrates	L Yang, X Zhou, Y Wang Journal of Computational and Theoretical Nanoscience 9 (7), 936-941	2	2012

Title	1–1000	Cited by	Year
A novel nanostructured scanning near field optical microscopy probe based on an adirectional asymmetry V Lotito, C Hafner, U Sennhauser, GL Bona Journal of Computational and Theoretical Nanoscience 9 (3), 486-494		2	2012
Analysis and modeling of multi-rate networked control systems with long time delay X Li, HB Pan, Y Gao Journal of Computational & Theoretical Nanoscience 11 (1), 2978-2983		2	2012
Highly sensitive SnO₂ (100) nano-crystal CH₃OH/C₂H₅OH gas sensor operating at different temperatures: Monte Carlo studies L Mahdavian Journal of Computational and Theoretical Nanoscience 8 (11), 2356-2361		2	2011
The Eccentric Connectivity Index of an Infinite Class of Dendrimer Nanostars S Chen, J Yang, F Xia Journal of Computational and Theoretical Nanoscience 8 (7), 1132-1133		2	2011
Order Neighborhood Searches for DNA Coding Q Wang, Q Zhang, X Wei Journal of Computational and Theoretical Nanoscience 8 (1), 102-104		2	2011
Structural and Spectroscopic Analysis for Metals Interaction with Protein M Ibrahim, A Al-Hossain, Z Al-Fifi Journal of Computational and Theoretical Nanoscience 7 (10), 2044-2048		2	2010
The Zagreb Indices of Dendrimer Nanostars S Chen, W Liu Journal of Computational and Theoretical Nanoscience 7 (10), 1991-1992		2	2010
A Special Issue on Computational and Theoretical Materiomics: Properties of Biological and de novo Bioinspired Materials MJ Buehler Journal of Computational and Theoretical Nanoscience 7 (7), 1201-1202		2	2010
An improved genetic algorithm for design of DNA sequence sets Q Zhang, B Wang Journal of Computational and Theoretical Nanoscience 7 (6), 1159-1164		2	2010
First-Principles Calculations for Extremely Large Systems by Parallel Computations Based on the Order-N₃ Real-Space Density-Functional Theory JI Iwata Journal of Computational and Theoretical Nanoscience 6 (12), 2514-2520		2	2009
Continuum modelling for interactions between fullerenes and other carbon nanostructures N Thamwattana, D Baowan, JM Hill Journal of Computational and Theoretical Nanoscience 6 (5), 972-984		2	2009
Study of Hydrogen Molecule and Hydrogen Molecular Ion Confined in C₆₀ Fullerene G Tayebirad, M Molayem, M Neek-Amal Journal of Computational and Theoretical Nanoscience 5 (3), 366-374		2	2008
Surface-Plasmon Enhanced Near-Bandgap Light Absorption in Silicon Photovoltaics H Lu, C Xiaoyuan, C Gang Journal of Computational and Theoretical Nanoscience 5, 2096-2101		2	2008
Suction energy and oscillatory behavior for carbon nanocones D Baowan, JM Hill Journal of Computational and Theoretical Nanoscience 5, 302-310		2	2008
Modeling Plant mRNA Poly (A) Sites: Software Design and Implementatio J Guoli, W Xiaohui, Z Jianti, S Yingjia, LQ Quinn Journal of Computational and Theoretical Nanoscience, 1365-1368		2	2007
Magnetic Moment of Iron Clusters with 109, 110, 111, and 147 Atoms C Köhler, T Frauenheim Journal of Computational and Theoretical Nanoscience 4 (2), 264-269		2	2007
conformations and biological function Metzler, Ralf; Ambjornsson, Tobias; Hanke, Andreas; Zhang, Yongli; Levene DNA Single Journal of Computational and Theoretical Nanoscience 4 (1), 1-49		2	2007

Title	1–1000	Cited by	Year
Computational Analysis of Transition Metal Doped Nanotubes and Their Application to Molecular Electronics	DA Buzatu, FT Nguyen, SN Reddy, JA Darsey Journal of Computational and Theoretical Nanoscience 1 (1), 99-105	2	2004
Bulaeva. EA (2015)	EL Pankratov Journal of Computational and Theoretical Nanoscience 12 (6), 976-990	2	
Zagreb-Eccentricity Indices of Unicyclic Graph with Application to Cycloalkanes	RS Haoer, KA Atan, MR Said, AM Khalaf, R Hasni Journal of Computational and Theoretical Nanoscience 13 (11), 8870-8873	1	2016
On Degree-Based and Frustration Related Topological Indices of Single-Walled Titania Nanotubes	L Yan, Y Li, S Hayat, HMA Siddiqui, M Imran, S Ahmad, MR Farahani Journal of Computational and Theoretical Nanoscience 13 (11), 9027-9032	1	2016
On the Edges Version of Atom-Bond Connectivity and Geometric Arithmetic Indices of Nanocones CNCK [n]	W Gao, MN Husin, MR Farahani, M Imran Journal of Computational and Theoretical Nanoscience 13 (10), 6741-6746	1	2016
On the Edges Version of Atom-Bond Connectivity Index of Nanotubes	W Gao, MN Husin, MR Farahani, M Imran Journal of Computational and Theoretical Nanoscience 13 (10), 6733-6740	1	2016
Certain Topological Indices of Titania Carbon Nanotubes TiO₂ (m, n)	W Gao, MK Jamil, MR Farahani, M Imran Journal of Computational and Theoretical Nanoscience 13 (10), 7324-7328	1	2016
Theoretical Study of Atoms Filled in Carbon Nanotubes	S Cui, W Liu, X Wang Journal of Computational and Theoretical Nanoscience 13 (10), 6974-6977	1	2016
Failure Prediction Of Wind Turbines Using Improved Gray Relation Analysis Based Support Vector Machine Method	R Fang, M Wu, R Shang, C Peng Journal of Computational and Theoretical Nanoscience 13 (9), 5887-5895	1	2016
Modulate the Vapor Fraction of Two Phase Heat Transfer Tube with a Self-Limited Porous Drainage Structure	H Chen Journal of Computational and Theoretical Nanoscience 13 (9), 5664-5671	1	2016
Mathematical Model of Electro-Magneto-Thermo-Mechanical Shock Problem in Generalized Thermoelasticity	AA El-Bary Journal of Computational and Theoretical Nanoscience 13 (8), 4916-4922	1	2016
A Nano Capacitor Including Graphene Electrodes and Nitrogen Mono Oxide Insulator: Aspect of Nuclear Magnetic Resonance and NBO Investigation	H Rahmati, M Monajjemi, H Aghaei, K Zare, AM Nejad Journal of Computational and Theoretical Nanoscience 13 (8), 4856-4865	1	2016
A Note on the Bousinesq Model for the Propagation of Pressure and Velocity Waves Through Arterial Segment	SO Adesanya, M Mirzazadeh, M Eslami, A Biswas Journal of Computational and Theoretical Nanoscience 13 (7), 4739-4748	1	2016
Rhombic Grid Based Clustering Algorithm with Spiking Neural P Systems	J Xue, X Liu, P Chen Journal of Computational and Theoretical Nanoscience 13 (6), 3895-3901	1	2016
Research on Molecular Code Converter Based on DNA Strand Displacement	Z Wang, W Zhang, Y Wang, G Cui Journal of Computational and Theoretical Nanoscience 13 (6), 3623-3628	1	2016
Interaction of Nano-Boron Nitride/Graphene Sheets with Anode Lithium Ion Battery	S Shahriari, NS Soofi, F Farzi, N Attarikharsraghi, S Khosravi, ... Journal of Computational and Theoretical Nanoscience 13 (5), 3070-3082	1	2016

Title 1–1000	Cited by	Year
(n, n) SWCNTs and (m, m) SWBNNTs Complexes with Ginger: Anti-Cancer Plant A Faridchehr, A Rustaiyan, M Monajjemi Journal of Computational and Theoretical Nanoscience 13 (5), 3426-3435	1	2016
Design of Two-State Nano-Memory Device from Carbon Nanotube Encapsulating Fullerene Using Graphene Nanoribbon OK Kwon, R Oh, JW Kang, GY Lee Journal of Computational and Theoretical Nanoscience 13 (3), 1609-1615	1	2016
A Study of Nano Capacitor Including Graphene as Electrodes and H2-BN Sheets as Insulator R Mirzaei, A Ziglari, A Elsagh, R Esmkhani, M Monajjemi Journal of Computational and Theoretical Nanoscience 13 (1), 899-908	1	2016
Adsorption of Microporous Silica Material (mcm-41) on Graphene Sheet as a Nano-Carrier N Shadmani, M Monajjemi, K Zare Journal of Computational and Theoretical Nanoscience 13 (1), 378-387	1	2016
Functionalized Mesoporous Silica Nanoparticle for Levodopa Delivery: A Combination with SWCNTs N Shadmani, M MehdizadehBarforushi, J Shakibayifar, A Elsagh, K Zare, ... Journal of Computational and Theoretical Nanoscience 13 (1), 208-219	1	2016
Molecular Dynamics Simulation Study on Bucky Shuttle Encapsulated in Partially Side-Opened Carbon Nanotube OK Kwon, E Lee, HW Kim, KS Kim, JW Kang Journal of Computational and Theoretical Nanoscience 13 (1), 909-915	1	2016
Existence and Exponential Stability of Anti-Periodic Solutions in Bidirectional Associative Memory Neural Networks with Distributed Delays M Huang, C Xu Journal of Computational and Theoretical Nanoscience 13 (1), 964-970	1	2016
Study of Nanotubes Inside Aquaporins Channels for Water Transfer Z Jamali, M Monajjemi Journal of Computational and Theoretical Nanoscience 13 (1), 643-651	1	2016
X-Doped Graphene (X= N, F) as Two Electrodes and (h-BN) m (m= 2–5) as the Insulator: A Nano Capacitor N Moradiyeh, M Zakeri, N Attarikhasraghi, M Ahadi, N Saghayimarouf, ... Journal of Computational and Theoretical Nanoscience 12 (12), 5395-5401	1	2015
BN-Dopants Graphene as Two Electrodes and Al–P as Insulator S Sadatchoobeh, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (12), 5789-5795	1	2015
Study on Computational Model for Efficiency of Safety Resources Invested in Enterprises of Producing Nanomaterials Based on Accounting Data E Li, Y Xue Journal of Computational and Theoretical Nanoscience 12 (12), 6227-6230	1	2015
Cation–π Interaction with Graphene for Cyclic Cationic Polypeptide Compounds M Zawari, M Haghhighizadeh, M Derakhshandeh, Z Barmaki, N Farhami, ... Journal of Computational and Theoretical Nanoscience 12 (12), 5472-5478	1	2015
Modeling of Moisture Damage in Carbon Nano Tube Modified Asphalt Using Hybrid of Artificial Neural Network and Other Computational Intelligence Approaches M Hassan Journal of Computational and Theoretical Nanoscience 12 (11), 4927-4934	1	2015
Density Functional Theory Study and Anti-Cancer Properties of Shyshaq Plant: In View Point of Nano Biotechnology MAA Zadeh, H Lari, L Kharghanian, E Balali, R Khadivi, H Yahyaei, ... Journal of Computational and Theoretical Nanoscience 12 (11), 4358-4367	1	2015
Deformation in three dimensional thermoelastic medium with one relaxation time IA Abbas, R Kumar Journal of Computational and Theoretical Nanoscience 12 (10), 3104-3109	1	2015
Nano Biotechnology Study of X-Dopamine Complexes (X= Co²⁺, Au³⁺, Pt²⁺, and Pd²⁺) MM Barforushi, S Safari, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (10), 3058-3065	1	2015

Title	1–1000	Cited by	Year
Temperature and Solvent Influence of MWNT (M= 1, 2, 3) for Nano Drug Delivery and mRNA Binding: A Normal Mode Analysis	F Mollaamin, A Ilkhani, S Ardakani, A Faridchehr, B Bonsakhteh, S Tohidi, ... Journal of Computational and Theoretical Nanoscience 12 (9), 2448-2457	1	2015
Transient analysis of the multi-conductor transmission line based on matrix form of t type leapfrog scheme	TH Wang, YH Gao, L Gao, CY Liu, ZY An, Y Jin, XZ Chu Journal of Computational and Theoretical Nanoscience 12 (9), 2982-2989	1	2015
Behavior of Cesaro Means of Energy Components for Non-Simple Thermoelastic Bodies	M Marin, MIA Othman, IA Abbas Journal of Computational and Theoretical Nanoscience 12 (8), 1888-1897	1	2015
Solving Graph Coloring Problem by Parallel Genetic Algorithm Using Compute Unified Device Architecture	Z Kai, Q Ming, L Lin, L Xiaoming Journal of Computational and Theoretical Nanoscience 12 (7), 1201-1205	1	2015
Choosing General Gaussian Kernel Parameters for Multiclass Pattern Classification	T Wang, L Zhong, J Chen Journal of Computational and Theoretical Nanoscience 12 (6), 1045-1049	1	2015
Representation of fundamental and plane waves solutions in the theory of micropolar generalized thermoelastic solid with two temperatures	R Kumar, M Kaur, SC Rajvanshi Journal of Computational and Theoretical Nanoscience 12 (4), 691-702	1	2015
Fifth geometric-arithmetic index of H-naphthalenic nanosheet [4n, 2m]	A Bahrami, M Alaeiyan Journal of Computational and Theoretical Nanoscience 12 (4), 689-690	1	2015
A Green and Naghdi Model in a Two-Dimensional Thermoelastic Diffusion Problem for a Half Space	IA Abbas, M Marin, EI Abouelmagd, R Kumar Journal of Computational and Theoretical Nanoscience 12 (2), 280-286	1	2015
Armchair SWCNTs Geometrical Parameters and Energy Sub-Bands: A First-Principles Study	K Gharbavi, H Bادهian Journal of Computational and Theoretical Nanoscience 12 (1), 1-4	1	2015
InGaAs and HfO2 based junctionless vertical double gate metal oxide semiconductor field effect transistor: Performance analysis	P Dobwal, B Santhibhushan, A Srivastava Journal of Computational and Theoretical Nanoscience 12 (1), 101-104	1	2015
Spectroscopic Analyses of PVDX (X= F, Cl and Br)	H Elhaes, M Khafagi, M Ibrahim, AEDA Gawad Journal of Computational and Theoretical Nanoscience 11 (10), 2115-2119	1	2014
M-Flip Concurrence in the Framework of Multipartite Spin Coherent States	A Chafik, K Berrada, H Eleuch, M Abdel-Aty Journal of Computational and Theoretical Nanoscience 11 (10), 2091-2096	1	2014
Effect of Rotation on Mechanical Waves Propagation in a Dry Long Bone	AM Abd-Alla, SM Abo-Dahab Journal of Computational and Theoretical Nanoscience 11 (10), 2097-2103	1	2014
Probing the Reactions of Colorimetric Sensor Array and Volatile Organic Compounds Using Time-Dependent Density-Functional Theory	X Huang, H Gu, L Yao, E Teye, Y Wen Journal of Computational and Theoretical Nanoscience 11 (10), 2194-2198	1	2014
Investigation of Electronic Transport in Organic Electroluminescent Device Composed by Alq3 Molecules	A Sampaio-Silva, VFP Aleixo, SM Correa, JD Nero Journal of Computational and Theoretical Nanoscience 11 (4), 1164-1168	1	2014
Bending Solutions of Cantilever Carbon Nanotubes and Molecular Dynamics Simulation	Y Liang, Q Han, J Ou Journal of Computational and Theoretical Nanoscience 11 (1), 71-75	1	2014

Title	1–1000	Cited by	Year
Investigation of Focusing Characteristics of Plasmonic Lenses with Concentric Elliptical Slits J Wang, Y Fu, Z Xu, W Yu Journal of Computational and Theoretical Nanoscience 10 (11), 2609-2617		1	2013
Computational Investigation on H₂S Adsorption on the CNT Channel of Conductometric Gas Sensor KH Istadeh, R Kalantarinejad, MJ Aghaei, MR Yazdi Journal of Computational and Theoretical Nanoscience 10 (11), 2708-2713		1	2013
Thermal Characterization of a Chip-on-Wafer-on-Substrate with Wide-IO Bus KY Tsai, SSD Xu, YK Lo, WY Chang Journal of Computational and Theoretical Nanoscience 10 (6), 1343-1346		1	2013
Multiple Signal Processing in Adaptive Cascaded-Bistable Stochastic Resonance System Y Gao, F Wang Journal of Computational and Theoretical Nanoscience 10 (4), 996-998		1	2013
Theoretical Design of Free Radical CM Chang, AF Jalbout Journal of Computational and Theoretical Nanoscience 10 (3), 591-593		1	2013
A Compact Hybrid Feature Vector for an Accurate Prediction of Protein Subcellular Location A Yang, B Liao, T Peng, R Li, Z Cao Journal of Computational and Theoretical Nanoscience 10 (3), 679-683		1	2013
Microstructure and Mechanical Properties of Multi-Walled Carbon Nanotubes/Al Nanocomposite G Wanli, S Wenbin JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE 9 (9), 1546-1549		1	2012
Design and Fabrication of Barrier Height Adjustment of Schottky Barrier Diodes Using a Double-Metal Structure BW Liou Journal of Computational and Theoretical Nanoscience 9 (5), 631-636		1	2012
Topological Study of a Class of IPR Fullerenes Z Mehranian, A Mottaghi, AR Ashrafi Journal of Computational and Theoretical Nanoscience 9 (5), 757-761		1	2012
Influence of Defects During the Tensile Deformation of Cu–Al Joint Interfaces at the Nano Scale L Wang, HW Zhang, X Deng Journal of Computational and Theoretical Nanoscience 8 (10), 2050-2057		1	2011
A Stoichiometric Model of the Kinetics of Nanoparticle Clusterings Mediated by Antigen-Antibody Interactions JP Brennan, T Chen Journal of Computational and Theoretical Nanoscience 8 (9), 1653-1658		1	2011
Analysis of Diamondoid Mechanosynthesis Tooltip Pathologies Generated via a Distributed Computing Approach DG Allis, B Helfrich, RA Freitas, RC Merkle Journal of Computational and Theoretical Nanoscience 8 (7), 1139-1161		1	2011
The Mathematical Model of Reflection and Refraction of Plane Quasi-Vertical Transverse Waves at Interface Nano-Composite Smart Material AY Al-Hossain, FA Farhoud, M Ibrahim Journal of Computational and Theoretical Nanoscience 8 (7), 1193-1202		1	2011
A Novel Binary Representation of RNA Secondary Structure and Its Application X Xiang, D Zhang, J Qin Journal of Computational and Theoretical Nanoscience 8 (7), 1203-1207		1	2011
Multiphysics Substrate Scale Modeling and Analysis of Chemical Vapor Deposition-Based Carbon Nanotube Fabrication Process MR Hosseini, N Jalili, DA Bruce Journal of Computational and Theoretical Nanoscience 8 (7), 1226-1241		1	2011
A Special Issue on Nanoscale Simulation of Molecular and Biological Systems U Ravaioli Journal of Computational and Theoretical Nanoscience 7 (12), 2479-2480		1	2010
Membrane systems with peripheral proteins using cell division L Xu, C Lu, Z Zhang Journal of Computational and Theoretical Nanoscience 7 (11), 2355-2359		1	2010

Title	1–1000	Cited by	Year
Computation of the Nuclear Magnetic Resonance Parameters of H-Capped Zigzag and Armchair Single-Walled SiC Nanotubes		1	2010
A Seif, TS Ahmadi, GM Rouzbehani Journal of Computational and Theoretical Nanoscience 7 (10), 2008-2012			
Spin information achieved by energy transfer via optical near fields between quantum dots and its robustness		1	2010
A Sato, F Minami, H Hori, K Kobayashi Journal of Computational and Theoretical Nanoscience 7 (9), 1707-1716			
A Theoretical Kohn-Sham Density Functional Theory Based Study of Pt@ Pd12		1	2010
M Dessens-Félix, R Pacheco-Contreras, C Cruz-Vázquez, ... Journal of Computational and Theoretical Nanoscience 7 (8), 1443-1446			
Additional Boundary Conditions for a Nonlocal Beam and an Application to the Nanotechnology		1	2010
R Artan, A Tepe, A Toksöz Journal of Computational and Theoretical Nanoscience 7 (6), 1055-1058			
Kinetic Lattice Monte Carlo Simulations of Vacancy Diffusion in Silicon Below the Melting Point		1	2010
JW Kang, OK Kwon, S Lee, SH Lee, DH Kim, HJ Hwang Journal of Computational and Theoretical Nanoscience 7 (3), 604-611			
The Graph-Theoretical Descriptors for Carbon Nanotubes (CNTs): Sadhana (Sd) Index of Phenylene (PH) and Its Hexagonal Squeeze (HS)		1	2010
S Aziz, PV Khadikar, PE John Journal of Computational and Theoretical Nanoscience 7 (2), 394-396			
Structural, Electronic and Spectroscopic Properties of Non-IPR Fullerene C54 (C2v) and Its Derivatives: C54X8 (X= H, F, Cl, Br)		1	2010
CW Jiang, RH Xie, FL Li, YL Chen Journal of Computational and Theoretical Nanoscience 7 (1), 182-198			
Vacancy Characteristics During Silicon Crystal Cooling via Kinetic Lattice Monte Carlo Simulations		1	2009
YG Choi, OK Kwon, HJ Hwang, JW Kang Journal of Computational and Theoretical Nanoscience 6 (11), 2417-2422			
Molecular Dynamics Simulation of Deposition of Cu Clusters on a Stepped Cu (111) Surface		1	2009
A Dorafshani, H Raffi-Tabar Journal of Computational and Theoretical Nanoscience 6 (10), 2203-2208			
Study of Xe Adsorption on Single Wall Silicon Nanotubes Using Molecular Dynamics Simulation		1	2009
S Jalili, R Ashrafi Journal of Computational and Theoretical Nanoscience 6 (3), 737-741			
Analysis of Dioxin Using Ab Initio Molecular Modelling Technique		1	2009
M Ibrahim, O Mahmoud Journal of Computational and Theoretical Nanoscience 6 (1), 138-141			
Universal Scaling Properties of Dendrimers with Flexible Branches		1	2008
M Ratner Journal of Computational and Theoretical Nanoscience 5 (11), 2284-2286			
Toward a Universal Embedded-Atom Method: II. A Set of Transferable Density and Dimmer Referenced Embedding Energy Functions for All Elements of the Periodic Table as Tool for Removing Two Gauge Degrees of Freedom in EAM Potentials		1	2008
A Herman Journal of Computational and Theoretical Nanoscience 5 (4), 666-670			
Chen Ye. Micromechanical model of stressdistribution and transfer in short-fiber-reinforced elastomer matrixcomposites		1	2008
Z Dasheng, G Boqin Journal of Computational and Theoretical Nanoscience 1 (2), 3			
A recursive molecular sticker algorithm for the maximal clique problem		1	2007
X Geng, J Xiao, J Xu Journal of Computational and Theoretical Nanoscience 4 (7-8), 1253-1256			
Directions in theoretical and computational nanoscience		1	2007
W Schommers Journal Of Computational And Theoretical Nanoscience 4 (4), 705-714			

Title	1–1000	Cited by	Year
First-Principles Calculations of Field Emission from Nano-Structures B Li, TC Leung, CT Chan Journal of Computational and Theoretical Nanoscience 3 (5), 830-837		1	2006
Modelling coupled and transport phenomena in nanotechnology RVN Melnik, A Povitsky Journal of Computational and Theoretical Nanoscience 3 (4), i-ii		1	2006
Study of Isomeric Structures of Cun (n= 1–5) Nanowires: An Ab-Initio Approach P Srivastava, BK Agrawal Journal of Computational and Theoretical Nanoscience 3 (1), 110-117		1	2006
saljooghi, M.(2014). A new correlation for viscosity of nanofluids with considering the temperature dependence Y Bakhshan Journal of computational and theoretical nanoscience 11, 583-588		1	
A new technique to compute PI index and Szeged index of pericondensed benzenoid graphs T Al-Fozan, P Manuel, I Rajasingh, RS Rajan Journal of Computational and Theoretical Nanoscience		1	
Applications of the Improved G'/G Expansion Method for Solve Burgers-Fisher Equation AA Hassaballa, TM Elzaki Journal of Computational and Theoretical Nanoscience 14 (10), 4664-4668			2017
Gear Fault Diagnosis Method Based on Local Characteristic-Scale Decomposition Multi-Scale Permutation Entropy and Radial Basis Function Network DH Le, J Cheng, Y Yang, M Pham, VT Thai Journal of Computational and Theoretical Nanoscience 14 (10), 5054-5063			2017
Simulation of Outflow Reservoir Level, and Hydro-Power at Dukan Dam Using Artificial Neural Network AA Jasem Journal of Computational and Theoretical Nanoscience 14 (10), 4686-4693			2017
A Study of CBS-LQ, PM6 and NMR Methods on Nano Structure of Fe3O4@ B18N18 MS Moosavi, M Monajjemi Journal of Computational and Theoretical Nanoscience 14 (9), 4528-4538			2017
Some Relations on a Class of Holomorphic Functions Defined by Darus and Faisal Differential Operator AE Shammaky, HM Hossen Journal of Computational and Theoretical Nanoscience 14 (9), 4278-4282			2017
Fractal Image Compression Using Quantum Search Algorithm M Bharathi, T Janani Journal of Computational and Theoretical Nanoscience 14 (9), 4580-4585			2017
Study of Hydrogen and Neutral Gases Diffusion Inside of a Nano Hetero of Si x C y S z O u Cages M Alavi, M Tajeek, S Ahmadzadeh, M Monajjemi Journal of Computational and Theoretical Nanoscience 14 (7), 3272-3282			2017
Security Threat Management by Software Obfuscation for Privacy in Internet of Medical Thing (IoMT) Application D Kavitha, C Subramaniam Journal of Computational and Theoretical Nanoscience 14 (7), 3100-3114			2017
Optimal Weighted Average Prediction and Correction in Big Sensor Data Using Fruit Fly Algorithm and Support Vector Machine R Sheeba, T Raj Journal of Computational and Theoretical Nanoscience 14 (7), 3615-3623			2017
A Secure Intrusion Detection System in Mobile Ad Hoc Networks Using Efficient Hybrid Cryptography Technique B Latha Journal of Computational and Theoretical Nanoscience 14 (7), 3115-3119			2017
Experimental Investigation of Thermal Performance of a Single and Double Pass Solar Air Heater with Arc Like Structures as the Absorber Plate SG Stanley, KK Murugavel Journal of Computational and Theoretical Nanoscience 14 (7), 3410-3415			2017

Title	1–1000	Cited by	Year
Mitigating the Soft Errors and Controlling the Voltage Level of VLSI Devices—MSCV	R Dhanagopal, V Krishnamurthi, A Rajaram		2017
	Journal of Computational and Theoretical Nanoscience 14 (7), 3209-3219		
Computing a Closed Formula of the Wiener Index of the Polycyclic Aromatic Hydrocarbons PAHk by Using the Cut Method	X Li, MR Farahani, M Rezaei, MK Siddiqui, JB Liu, MK Jamil		2017
	Journal of Computational and Theoretical Nanoscience 14 (7), 3636-3640		
The Omega Polynomial and the Cluj-Ilmenau Index of an Infinite Class of the Titania Nanotubes TiO₂ (m, n)	Y Liu, M Rezaei, MR Farahani, MN Husin, M Imran		2017
	Journal of Computational and Theoretical Nanoscience 14 (7), 3429-3432		
Pd²⁺, Au²⁺, Au³⁺, Pt²⁺, and Rh²⁺ Transition Metal Complexes with Methamphetamine Ligand: Unique Nano-Materials	S Shahryari, N Attarikhasraghi, M Zakeri, N Saghayimarouf, JS Far, ...		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2349-2363		
Lithium Ion Battery Modification via Interaction Between “Graphite Oxide/h-BN” Capacitor with Anodic Material	CM Dang, DMT Dang, M Monajjemi		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2368-2382		
Preparation, Fourier Transform Infrared Characterization and Mechanical Properties of Hydroxyapatite Nanopowders	RA Youness, MA Taha, H Elhaes, M Ibrahim		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2409-2415		
Molecular Modeling Analyses of Modified Polyvinylalcohol/Hydroxyapatite Composite	N Saleh, AA Mostafa, A Omar, H Elhaes, M Ibrahim		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2298-2301		
Effect of Hydrated Dioxin on the Physical and Geometrical Parameters of Some Amino Acids	D Atta, F Gomaa, H Elhaes, M Ibrahim		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2405-2408		
SPICE Modeling for Metal Island Charged Confined Cellular Automata	P Bhattacharjee, K Das		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2326-2331		
Modeling of Asymmetric Biphenyl Molecular Devices Using Palladium Electrodes	S Parashar, P Srivastava		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2345-2348		
Complex Systems Optimization Using Nature-Inspired Techniques	S Prakash		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2129-2137		
Mathematical and Computational Treatment to a Problem of Generalized Magneto-Thermoelasticity	AA El-Bary		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2574-2580		
A Survey on Planning Models for Optimization in Heterogeneous Platform Using Bio-Inspired Computation	S Prakash		2017
	Journal of Computational and Theoretical Nanoscience 14 (5), 2122-2128		
DFT Study on Adsorption of Drug Artemisinin Onto Carbon Nanotubes	S Naderi, A Morsali, MR Bozorgmehr, SA Beyramabadi		2017
	Journal of Computational and Theoretical Nanoscience 14 (4), 1778-1783		
Connective Eccentric Index of NA n m Nanotube	Y Huo, JB Liu, AQ Baig, W Sajjad, MR Farahani		2017
	Journal of Computational and Theoretical Nanoscience 14 (4), 1832-1836		
Computation of K-indices for certain nanostructures	Z Jie, DX Li, SM Hosamani, MR Farahani, M Rezaei, Z Foruzanfar, JB Liu		2017
	Journal of Computational and Theoretical Nanoscience 14 (4), 1784-1787		

Title	1–1000	Cited by	Year
Modeling the Coordination Between Na, Mg, Ca, Fe, Ni, and Zn with Organic Acids	A Okasha, D Atta, WM Badawy, MV Frontasyeva, H Elhaes, M Ibrahim Journal of Computational and Theoretical Nanoscience 14 (3), 1357-1361		2017
A Dynamic Cardiac Magnetic Resonance Imaging Method Using Partial Separability Model and Parallel Imaging	L Li, X Zhang, F Zhao, B Qiu Journal of Computational and Theoretical Nanoscience 14 (3), 1548-1553		2017
A New Robust Computational Approach for the Electric Power System Parameters	Z Khan, RB Razali, H Daud, NM Nor, MF Firuzabad, KL Krebs Journal of Computational and Theoretical Nanoscience 14 (3), 1613-1620		2017
Correlation Between Clar Sextet Theory and Electronic Properties of Chromophores: An Ab Initio Study	EP Cavaleiro, MVP Cardoso, SP De Souza, MES Sousa, ... Journal of Computational and Theoretical Nanoscience 14 (3), 1524-1527		2017
Application of Heuristic Planning Algorithm in Practical Problems	C Li, D Ouyang, W Wei, H Wang Journal of Computational and Theoretical Nanoscience 14 (3), 1483-1486		2017
Multi-Band and Multi-Epoch Morphological Evolution and Computational Physics of PKS 0528+ 134	FY Liu, M Zhang Journal of Computational and Theoretical Nanoscience 14 (2), 1101-1107		2017
A Mathematical Exposition of the Global Stability of a Viral Epidemiological Model for Malicious Code Propagation in Computer Networks	OM Barukab, H Abujabal, SH Behiry, E Alzahrani Journal of Computational and Theoretical Nanoscience 14 (2), 1097-1100		2017
More Sets Without Arithmetic Progression of Large Size	X Zhang Journal of Computational and Theoretical Nanoscience 14 (2), 1177-1179		2017
The Analytical Method Based on Information Entropy for Urban Residents Salary Consumption Gap	L Li Journal of Computational and Theoretical Nanoscience 14 (2), 1222-1224		2017
Model for Evaluating the Logistics Service Quality of Cross-Border E-Commerce Enterprises with Intuitionistic Fuzzy Information	YK Wang Journal of Computational and Theoretical Nanoscience 14 (2), 1136-1139		2017
QM/MM Study of Methamphetamine and Dopamine Adsorption on SWCNTs and SWBNNTs	N Saghayimarouf, M Monajjemi Journal of Computational and Theoretical Nanoscience 14 (2), 957-964		2017
Computing the Theta Polynomial $\Theta(G, x)$ and the Theta Index $\Theta(G)$ of Titania Nanotubes $TiO_2(m, n)$	Y Li, L Yan, MR Farahani, M Imran, MK Jamil Journal of Computational and Theoretical Nanoscience 14 (1), 715-717		2017
Four New/Old Vertex-Degree-Based Topological Indices of $HAC_5C_7[p, q]$ and $HAC_5C_6C_7[p, q]$ Nanotubes	Y Li, L Yan, MK Jamil, MR Farahani, W Gao, JB Liu Journal of Computational and Theoretical Nanoscience 14 (1), 796-799		2017
Dual-Wavelength Generation with Terahertz Spacing Using GaAs–AlGaAs Microring Resonator Waveguides	GV Sarrigan, KA Matori, IS Amiri, H Ahmad, F Fadaeifard Journal of Computational and Theoretical Nanoscience 14 (1), 330-334		2017
Nano Biotechnology Investigation of the Fatty Acid Synthesis (FAS): Preventing the Fatty Liver Disease	A Rahimi, M Monajjemi Journal of Computational and Theoretical Nanoscience 14 (1), 659-669		2017
Detecting Co-Regulatory Modules from Human Regulatory Network by Randomly Walking Between Regulator and Gene Modules	J Luo, D Song, C Liang, G Li, B Cao Journal of Computational and Theoretical Nanoscience 14 (1), 384-388		2017

Title	1–1000	Cited by	Year
Mutual Prediction of Retention Times in a Variety of Operating Modes in Temperature Programmed Gas Chromatography	X Zhang, L Ze, Z Yang, R Wu, C Gong, G Fan Journal of Computational and Theoretical Nanoscience 14 (1), 591-597		2017
Research on the Relationship Between Surface Engineering and Deformation Response of Some Natural Polymeric Nanofibrous Systems. Possible Applications in Medicine	MI Guignard, D Coman, M Agop, N Ouerfelli, D Miricescu, N Vrinceanu, ... Journal of Computational and Theoretical Nanoscience 14 (1), 536-544		2017
On Certain Topological Indices of TUC 5 C 8 Nanotubes	Y Huo, JB Liu, S Ahmad, N Farah, U Ahmad, MR Farahani, M Imran Journal of Computational and Theoretical Nanoscience 13 (12), 9158-9161		2016
On Some Degree-Based Topological Indices of Line Graphs of TiO₂ [m, n] Nanotubes	Y Huo, JB Liu, M Imran, M Saeed, MR Farahani, MA Iqbal, MA Malik Journal of Computational and Theoretical Nanoscience 13 (12), 9131-9135		2016
Hydraulic Transmission and Control Technology Based on Combination Model	N Dexue Journal of Computational and Theoretical Nanoscience 13 (12), 9431-9435		2016
Numerical Simulation and Stability Analysis of Aerodynamic Characteristics of Multi Propeller	P Huikun, Z Xin, L Xun, H Ronghui Journal of Computational and Theoretical Nanoscience 13 (12), 9317-9322		2016
An Autonomy Teaching Evaluation Technology Based on Improved ELECTRE Method	T Wang, L Coatrieux Journal of Computational and Theoretical Nanoscience 13 (12), 9251-9257		2016
Zagreb Indices and Zagreb Polynomials of an Infinite Class of Dendrimer Nanostars	DX Li, JB Liu, MR Farahani, M Rezaei Journal of Computational and Theoretical Nanoscience 13 (12), 9136-9139		2016
Evaluation of Teaching Quality of Public Physical Education in Colleges Based on the Fuzzy Evaluation Theory	Y Jiang, Y Wang Journal of Computational and Theoretical Nanoscience 13 (12), 9848-9851		2016
Asian Excellent Shot Putters' Technical Characteristic Analysis	A Huang Journal of Computational and Theoretical Nanoscience 13 (12), 10214-10218		2016
Research on the Application of Time Dependent Scheduling Method and Scheduling Problem in Single Machine Task Planning	K Li Journal of Computational and Theoretical Nanoscience 13 (12), 9643-9647		2016
Emulation of Seismic Anomaly Data Based on Filtering Guided Redundant Dictionary	X Lv, C Wei, M Zou, H Wang, F Zhao Journal of Computational and Theoretical Nanoscience 13 (12), 9448-9453		2016
Numerical Simulation of GaN-MOCVD Showerhead Reactor	L Lei, C Sheng, T Huihua Journal of Computational and Theoretical Nanoscience 13 (12), 9286-9289		2016
Cloud Computing Network Service Recommendation Method Based on Multi Tag and Association Rules	Y Ming Journal of Computational and Theoretical Nanoscience 13 (12), 9548-9552		2016
Application and Development of Computer Intelligent Vision Based on Evolutionary Computation	Z Yin Journal of Computational and Theoretical Nanoscience 13 (12), 9857-9863		2016
Network Financial Fraud Risk Assessment System Based on Big Data Analysis	J Qi, L Yi Journal of Computational and Theoretical Nanoscience 13 (12), 9335-9339		2016
Wireless Mesh Network Routing Protocol Based on Multi-Routing Metric	MA Zihui, C Yimin Journal of Computational and Theoretical Nanoscience 13 (12), 9469-9473		2016

Title	1–1000	Cited by	Year
Computation of Forgotten Topological Index of Some Nanostructures	A Yousefi, A Iranmanesh, A Tehrani		2016
	Journal of Computational and Theoretical Nanoscience 13 (12), 9145-9150		
Research on the Cost Control with Hotel Operation System Based on Cost Management Theory	Z Guo		2016
	Journal of Computational and Theoretical Nanoscience 13 (12), 9882-9885		
Chinese Sports Industry Listed Companies' Operation Performance Factor Analysis	N Liu		2016
	Journal of Computational and Theoretical Nanoscience 13 (12), 9760-9764		
Multi-Wall (Carbon and Boron Nitride) Nanotubes in Binding with Valine-t-RNA: QM/MM Studies	NS Soofi, S Shahriari, M Zakeri, N Saghayimrouf, CM Dang, DMT Dang, ...		2016
	Journal of Computational and Theoretical Nanoscience 13 (12), 9175-9182		
On Multiple Zagreb Indices of Boron and Boron-α Nanotubes	L Yan, Y Li, M Saeed, M Imran, MR Farahani, MA Malik		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 9014-9017		
Sodium Ion Batteries Including Edge-Carboxylated Carbon as a Based Anodic Electrode	M Ahadi, M Monajjemi		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 8333-8344		
The Trajectory Planning Algorithm Based on Hidden Markov Model for Target Tracking	M Jun		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 7757-7761		
An Image Quality Assessment Method Based on Granular Computing and Grey Relational Analysis	M Ma, Z Pei, L Sun		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 8306-8313		
The Influence of Supersonic Separator's Divergent Angle on Spontaneous Condensation and Separation Performance of Two-Phase Flow	W Fei, J Donghai		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 8012-8016		
Closed Loop Supply Chain Optimization Model of Green Fast Consumer Goods Based on Multi Objective Game Theory	C Huaibo		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 7939-7946		
Li Adsorption on a Monolayer MoS₂	J Tang, Y Li, X Chen, Y Xu, H He, R Zhang, P Lu		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 8765-8771		
Medical Image Registration Based on Hidden Markov Model and Multi Wavelet Threshold Algorithm	SY Zhao, S Ding, N Che		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 7978-7983		
A Nano Capacitor Including Graphite Oxide with h-BN Insulator {GO/(h-BN) m/GO}	S Shahriari, M Monajjemi		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 8475-8485		
A Computational Design Study of Triphenylbenzene-Based Ge-Sesquioxanes TPB (Ge_{2n} O_{3n} H_{2n-1})₃ (n= 1–6) Using Density Functional Theory	CG Zhang, SY Yu, Q Wu, J Han		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 8406-8411		
A Heuristic Path Planning Method Based on the Potential Field Using Probability Theory	YW Zhang, H Li, XZ Han		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 8088-8100		
A DNA Cellular Automata Self-Assembly Cryptosystem for Image	S Zhou, B Wang, X Zheng, C Zhou		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 8443-8447		
Computational Method for Solving Nonlinear Volterra Integro-Differential Equations	B Maayah, S Bushnaq, M Ahmad, S Momani		2016
	Journal of Computational and Theoretical Nanoscience 13 (11), 7802-7806		

Title	1–1000	Cited by	Year
A Variable Nano Capacitor Behaved Arising from Lipid Bilayers of DMPC	N Attarikhasraghi, M Monajjemi		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 6956-6966		
Lithium Ion Battery Including BN Doped Graphene Electrodes	M Monajjemi, H Ahmadin, M Ahadi, M Imanzadeh, N Attarikhasraghi, ...		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 6680-6693		
First Principles' Investigation of Electronic Properties of Hf, Ag, Cd, Zn, Ce, Nd, Sm-Modified Lead Zirconate Titanate	RA Hussein, M El-Okri, Il Bashter, M Ibrahim		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 7661-7665		
On Topological Properties of 2-Dimensional Lattices of Carbon Nanotubes	S Hayat, MK Shafiq, A Khan, H Raza, HMA Siddiqui, N Iqbal, JU Rehman		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 6606-6615		
Cylindrical Capacitor-Anode Interaction Between Lithium Ion Batteries and (m, m)@(n, n) Double Wall Boron Nitride Nanotubes	MS Madani, FR Nikmaram, A Chitsazan, F Farzi, M Monajjemi		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 7293-7302		
Application Research on Quantitative Prediction of Mineral Resources Based on the Grey Relational Analysis Algorithm with Dual Hesitant Fuzzy Information	Y Ma, X Wang, J Fan		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 7333-7335		
Accurate Determination of Critical Safety Height During Available Safe Egress Time Assessment	X Han, Y Deng, X Wang, J Jiang		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 7545-7547		
Basis Sets and Nuclear Magnetic Resonance Shielding Effects for Mixing of MWBN and CNTs	RT Bashiz, S Shahriari, NS Soofi, N Attarikhasraghi, M Ahadi, S Khosravi, ...		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 6440-6445		
Study on the Application of Data Mining Technology Based on Support Vector Machine in the Database Management of Oil Exploration and Development	C Li, D OuYang, W Wei, H Wang		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 6519-6523		
Computation of the Removal Function for Ion Beam Figuring Curved Surface	W Tang, W Deng, X Yin, D Xue, L Zheng, X Zhang		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 7025-7031		
A Novel Joint for Image Encryption and Coding Using Piecewise Linear Chaotic Map	B Wang, S Zhou, C Zhou, X Zheng		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 7137-7143		
Nano Drug Deliverer for Ampicillin, Clavulanic Acid, Imipenem, Penicillin G and Ticarcillin	M Derakhshandeh, M Monajjemi		2016
	Journal of Computational and Theoretical Nanoscience 13 (10), 7144-7155		
Micro Mechanical Properties and CWFS Criterion Parameters Optimization of Brittle Hard Rock Under Compression	S Miao, M Liang, X Guo, Z Wang, X Hao		2016
	Journal of Computational and Theoretical Nanoscience 13 (9), 5899-5906		
Deformation and Seepage Mechanical Model for Loaded Gas-Bearing Coal Masses	R Lv, B Li, Z Song, G Liu, J Ren		2016
	Journal of Computational and Theoretical Nanoscience 13 (9), 6365-6371		
Nondestructive Detection Method of Egg Quality Based on Multi-Sensor Information Fusion Technology	J Yang, R Qie, T Li, Y Shi, H Pan		2016
	Journal of Computational and Theoretical Nanoscience 13 (9), 5932-5937		
The Application of Matrixing T-Type Finite Difference Time Domain in the Transient Analysis of Multi-Conductor Transmission Lines	T Wang, Y Gao, C Liu, J Wang, J Zhang		2016
	Journal of Computational and Theoretical Nanoscience 13 (9), 6355-6364		

Title	1–1000	Cited by	Year
Fast Implementation Method of Interferometric Synthetic Aperture Radar Raw-Signal Simulation	B Song, M Pan, X Hu Journal of Computational and Theoretical Nanoscience 13 (9), 6155-6160		2016
Plant Organ Recognition and Real Foliage Reconstruction Based on Laser Scanning Data	T Yun, F An, W Li, Y Sun, L Xue Journal of Computational and Theoretical Nanoscience 13 (9), 6409-6418		2016
Study of a Voltage Feed-Forward Dead-Time Compensation Method for Permanent Magnet Synchronous Motor Drive	J Yu, X Wang, J Xu, X Qin, J Zheng Journal of Computational and Theoretical Nanoscience 13 (9), 6060-6064		2016
Study on Concentration Polarization of Flat Membrane Based on Finite Element Analysis	P Xu, N Yang, R Zhang, J Sun, J Guo Journal of Computational and Theoretical Nanoscience 13 (9), 6076-6080		2016
Defect Classification Recognition on Strip Steel Surface Using Second-Order Cone Programming-Relevance Vector Machine Algorithm	C Dongyan, X Kewen, N Aslam, H Jingzhong Journal of Computational and Theoretical Nanoscience 13 (9), 6141-6148		2016
The Regional Logistics Hubs Location Problem Based on the Technique for Order Preference by Similarity to an Ideal Solution and Genetic Algorithm: A Case of Sichuan	S Chen, D Chen, M Gan Journal of Computational and Theoretical Nanoscience 13 (9), 6065-6075		2016
Research on Pedestrian Detection Method with Motion and Shape Features	X Wang, X Liu, H Guo, Q Guo, N Liu Journal of Computational and Theoretical Nanoscience 13 (9), 5788-5793		2016
An Agent-Based Bilateral Negotiation Model About Price and Quantity Considering Nonlinear Utility	L Zhang, Q Liu Journal of Computational and Theoretical Nanoscience 13 (9), 6189-6195		2016
Prediction of Thermal Performance of Radiative Radial Fin with Temperature-Dependent Thermal Conductivity Using Spectral Collocation Method	J Ma, YS Sun, BW Li Journal of Computational and Theoretical Nanoscience 13 (9), 5822-5831		2016
Compressed Sensing Based on Collaborative Communication Mechanism in Wireless Sensor Networks	L Zhu, R Wang, H Yang Journal of Computational and Theoretical Nanoscience 13 (9), 6167-6177		2016
Effects of Selective Harvesting and Clear-Cutting on Community Structure, Volume and Biomass of Korean Pine and Broadleaf Mixed Forest in Changbai Mountain	Y Zhang, XM Yi, E Bai, LZ Ji Journal of Computational and Theoretical Nanoscience 13 (9), 6344-6348		2016
Cognitive Networks Intelligent Decision-Making Approach Based on Hybrid Rule Reasoning	S Li, L Li, H Zhou, Y Feng Journal of Computational and Theoretical Nanoscience 13 (9), 6149-6154		2016
The Feasibility Study for Polymer Flooding in Heavy Oil Recovery Based on Daqing Oil Field	G Qu, Y Liu, L Wang, A Shen Journal of Computational and Theoretical Nanoscience 13 (9), 6293-6299		2016
Release Amount of Seven Harmful Chemicals and Their Hazard Index in Mainstream Smoke of Liaoning Flue-Cured Tobacco Leaf	W Huang, X Bai, H Shao, X Wang, J Zhu, Z Xu Journal of Computational and Theoretical Nanoscience 13 (9), 6056-6059		2016
Control System Design and Experiment Research of Roots Engine Waste Heat Power Generation Device	Y Xiao, H Song, R Jing, N Zhu, S Zhang Journal of Computational and Theoretical Nanoscience 13 (9), 6306-6311		2016
Prediction of Polycyclic Aromatic Hydrocarbons from Vehicle Exhaust Emission and Coal Combustion Based on Grey Model GM (1, 1)	J Song, Y Liu Journal of Computational and Theoretical Nanoscience 13 (9), 6377-6381		2016

Title	1–1000	Cited by	Year
Research on the Synthesis and Characterization of Sifaxacin	L Yu, L Lianxin, S Guangxia, Y Chuanyong, WL Lai		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5896-5898		
Research on Liquor Warehousing and the Anti-Counterfeiting System Based on Radio Frequency Identification Technology	L Tianhua, H Hongbo		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 6052-6055		
Comparative Analysis on the Investment Behaviors and Strategies of Warren Buffett and Yawei Wang	H Zhou, C Xu		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 6275-6286		
A Unified Constitutive Model of Reinforced Concrete Based on the Ratio of Section Reinforcement	D Luo, Z Zhou, J Tang, D Wen, L Tang		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5849-5857		
A New Hysteretic Nonlinear Constitutive Model of Ni—Mn—Ga Magnetic Shape Memory Alloy Material	Z Zhu, C Guo, H Wang, J Xu		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5655-5659		
Feature Fusion Based Research of Salient Target Detection	S Hua, G Lv, J Tu		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 6300-6305		
Failure Criterion of Concrete Based on Strain Space Under Triaxial Compression	G Liu, D Wang, Z Wei, X Huang		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5879-5886		
Asymmetric Reduction of Aryl Ketones by Whole Cells of Pichia etchellsii AS2. 625 Using β-Cyclodextrin as an Additive	JW Yang, C Chen, JB Chen, Y Xu		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5638-5644		
Research on Enterprise Resource Planning Process Reengineering Under Public Supervision of Postal Parcel	Z Li, Y Tan		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5811-5821		
Effect of LY12 Alloy Constraint on the Ductile to Brittle Transition of Al Interlayer	S Qiang, H Li-Hong		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 6227-6232		
Performance Evaluation of Multicast Congestion Control Protocol	Z Mu, H Wei, Z Qian		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5737-5741		
Signal Quality Simulator for Smart Substation Auxiliary System	Z Chang, T Xu, Y Luo, S Jing, X Xie		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5938-5944		
Universal Aptameric System for Sensitive and Label-Free Detection of Protein Based on Circular Target Displacement Polymerization	J Yang, Y Chen, S Zhang, L Zheng, Q Sun, H Geng, Y Qiu, Y Huang, X Hu, ...		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 6331-6336		
Hybrid Particle Swarm Optimizer Using for Engineering Control Systems	Z Kai, S Jinchun		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5805-5810		
Characterization of Weld Seam of Laser Transmission 3D Polymer Based on Optical Coherence Tomography	L Li-Ping, Y Jing-Tao		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5771-5776		
A Robust One Class Support Vector Machine Based on Minimum Covariance Determinant	Y Wang, J Liu, C Fu, Q Yu, J Guo		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 5999-6004		
Improved Detection Algorithm for Multiple-Input Multiple-Output Wireless Communication Systems	L Liu, Y Han, X Song, J Gao, J Wang		2016
Journal of Computational and Theoretical Nanoscience	13 (9), 6240-6244		

Title	1–1000	Cited by	Year
A Cooperative Coevolutionary Artificial Bee Colony Algorithm for Multi-Objective Optimization	X Liang, L Na, L Li, H Chen Journal of Computational and Theoretical Nanoscience 13 (9), 6258-6266		2016
Novel MC-DTC Control Method for Induction Motor Based on Space Vector Modulation	BJ Cai, XH Nian Journal of Computational and Theoretical Nanoscience 13 (9), 6395-6402		2016
Key Technology Based on Multiple Channel Assignment	G Dagang, H Wei, Z Qian, L Yan Journal of Computational and Theoretical Nanoscience 13 (9), 5945-5950		2016
A Design Methodology of Wireless Power Transfer System for Electric Vehicle	Y Minsheng, L Jianying Journal of Computational and Theoretical Nanoscience 13 (9), 5982-5986		2016
Emissions Prediction for Machining Process in Uncertain Environment Based on RSL	C Zhang, L Liu Journal of Computational and Theoretical Nanoscience 13 (9), 5801-5804		2016
Dynamic Characteristics Analysis of Hydro-Pneumatic Suspension System	P Zhang, Y Li, P Li Journal of Computational and Theoretical Nanoscience 13 (9), 5794-5800		2016
Strip Steel Surface Defects Detection Based on Low Rank Multi-Kernel Support Vector Machine	H Jingzhong, X Kewen, Y Fan, C Dongyan Journal of Computational and Theoretical Nanoscience 13 (9), 5975-5981		2016
Exposure-Dose-Response Relationships of the Freshwater Bivalve Corbicula fluminea to Inorganic Mercury in Sediments	P Wang, R Wang, C Wang, J Qian, J Hou Journal of Computational and Theoretical Nanoscience 13 (9), 5714-5723		2016
Joint Relay Selection and Power Allocation for Energy Harvesting Cooperative Communication Systems	G Liang, J Xin, J Zha, H Tang Journal of Computational and Theoretical Nanoscience 13 (9), 5956-5963		2016
Two-Way Preference-Based Internship Assignment Problem	RC Chen, YY Lin, WT Wen Journal of Computational and Theoretical Nanoscience 13 (9), 6011-6018		2016
Predicting Lipase Specific Activity and Bacterial Growth of Aneurinibacillus thermoaerophilus Strain AFNA via Artificial Neural Networks and Support Vector Machine	Z Yang, H Li, WW Zhang, J Bai Journal of Computational and Theoretical Nanoscience 13 (9), 6382-6386		2016
Retention of Iron-Oxide Nanoparticles in Sandstone Rocks with High Salinity	H Yu, K Pan, Y Zhang, T Zhang, C Huh, S Bryant Journal of Computational and Theoretical Nanoscience 13 (9), 5693-5698		2016
Experiment Research on the Reinforced Triaxial Compression of Tailings Material and Infiltration Rainfall of Tailings Dam	K Xiang-Yun, W Guang-Jin Journal of Computational and Theoretical Nanoscience 13 (9), 6419-6423		2016
The Design of Quadruped Robot Gait Control System	L Wang, X Ma, H Ren, Y Liu Journal of Computational and Theoretical Nanoscience 13 (9), 6203-6209		2016
The Forecast Algorithm of Stranded Passenger Flow Based on the Angle Cost of Urban Rail Line	X Ding, Z Liu, W Chen Journal of Computational and Theoretical Nanoscience 13 (9), 5724-5730		2016
Research and Implementation of Intelligent Classroom Management System Based on Internet of Things	Y Han, Y Zhang, H Gong, T Li Journal of Computational and Theoretical Nanoscience 13 (9), 6337-6343		2016
Development and Simulation Research of Roots-Type Engine Model Based on Virtual Manufacturing Technology	Y Xiao, H Feng, R Jing, N Zhu, H Yang Journal of Computational and Theoretical Nanoscience 13 (9), 6115-6126		2016

Title	1–1000	Cited by	Year
Mechanical Behaviour of Reactive Powder Concrete with Polypropylene Fibers Exposed to Elevated Temperatures			2016
K Yan, C Xu, L Bing Journal of Computational and Theoretical Nanoscience 13 (9), 5688-5692			
Dynamic Population Artificial Bee Colony Algorithm for Multi-Objective Optimal Power Flow			2016
Y Liu, J Liu, Z Ma, L Tian, D Wang Journal of Computational and Theoretical Nanoscience 13 (9), 6267-6274			
Based on the Firefly Algorithm and Ant Algorithm for Resource Schedule in Cloud Computing System			2016
H Zhao, L Tian, Z Yang Journal of Computational and Theoretical Nanoscience 13 (9), 6029-6033			
Mechanical Parameters of Wheat in Triaxial Compression Tests and Meso-Mechanics Simulation			2016
J Chen, L Wang Journal of Computational and Theoretical Nanoscience 13 (9), 6387-6394			
Research on MEMS Kerosene Gas Sensor Technology Based on the Nano Sensitive Material			2016
B Wang, Y GuangBin, Z HongQuan Journal of Computational and Theoretical Nanoscience 13 (9), 5676-5681			
Agriculture Environment Monitoring System Based on 6LoWPAN Wireless Sensor Network			2016
W Zhang, T Li, Y Shi, H Pan Journal of Computational and Theoretical Nanoscience 13 (9), 6287-6292			
A Study on Readers' Satisfaction of University Library Based on BP Neural Network			2016
Q Zhang, P Wang Journal of Computational and Theoretical Nanoscience 13 (9), 6005-6010			
Prediction of Environmental Carrying Capacity for Chinese Cities Based on Artificial Neural Network and Grey Model GM (1, 1) Prediction			2016
F Han, Y Zhang Journal of Computational and Theoretical Nanoscience 13 (9), 6372-6376			
Grain Storage State Detection Based on Support Vector Machine and Granary Bottom Pressure			2016
Z Miao, Z De-Xian Journal of Computational and Theoretical Nanoscience 13 (9), 5777-5780			
Research and Application of Capability Evaluation Model Based on BP Neural Network Educational Technology—Taking the Problem-Based Learning Teaching Process Learning as an Example			2016
Z Zhang Journal of Computational and Theoretical Nanoscience 13 (9), 6210-6217			
Field Experiments and Investigation of Outdoor Human Thermal Sensation in a Typical Residential Community in Hot-Humid Climate			2016
Z Chen Journal of Computational and Theoretical Nanoscience 13 (9), 6178-6184			
An Approach to Multi-Channel Accelerated Degradation Testing Data Process Based on Hierarchical Modeling			2016
B Wan, G Fu, C Pei Journal of Computational and Theoretical Nanoscience 13 (9), 6218-6226			
Low-Noise Immune Microfluidic Biochemical Detection Based on Latex Enhanced Light Scattering			2016
N Yang, R Zhang, H Mao, J Sun, X Tao, JJ Guo Journal of Computational and Theoretical Nanoscience 13 (9), 5914-5919			
Virtual-Remote Chemical Experiment Method and System Based on Chemical Experiment Operation Encoding-Decoding and Internet of Things			2016
D Zhu Journal of Computational and Theoretical Nanoscience 13 (9), 5761-5770			
Heat-Induced Electrical Variation of Water-Bearing Porous Rock in Coal Fire Area			2016
W Song, Y Wang, W Wang, Z Shao Journal of Computational and Theoretical Nanoscience 13 (9), 5841-5848			
Comparison Resonant Magnetolectric Effects in Positive Magnetostrictive/Piezoelectric and Negative Magnetostrictive/Piezoelectric Laminate Composites			2016
L Chen Journal of Computational and Theoretical Nanoscience 13 (9), 5672-5675			

Title	1–1000	Cited by	Year
Comprehensive Stiffness Simulation of Diaphragm Coupling	N Junfeng, Z Minli, Y Guang-Bin, G De-Jun Journal of Computational and Theoretical Nanoscience 13 (9), 6108-6114		2016
An Improved Patch-Based Multi-View Stereo Algorithm for Large Image Sets	M Li, D Zheng, Y Zhang, R Zhang, F Zhang Journal of Computational and Theoretical Nanoscience 13 (9), 5755-5760		2016
Preparation and Stability of Superhydrophobic Surfaces on Copper and Zinc Substrates	F Ma, Y Zhang, S Wei, W Li, H Li, W Feng, M Ruan, Z Yu Journal of Computational and Theoretical Nanoscience 13 (9), 6349-6354		2016
Preliminary Studies on the Pollution Levels of Antibiotic Resistance Genes in Lower Reaches of the Yangtze River	J Shi, H Deng, M Wang Journal of Computational and Theoretical Nanoscience 13 (9), 5971-5974		2016
Change of Phosphate Fraction During Composting of Fresh Waste Leaves of Tobacco	Z Li, L Ma, S Liu, A Wang, G Liu, X Jie Journal of Computational and Theoretical Nanoscience 13 (9), 6103-6107		2016
Mining Hot Routes from Mobile Trajectories Based on Road Network Constructing Approach	L Wei, L Na, W Hong-Rui, C Han-Ning Journal of Computational and Theoretical Nanoscience 13 (9), 6245-6257		2016
Characterizations of Thin Tungsten Films Deposited on Polyimide, Si (111) and SiO₂ by Direct-Current Magnetron Sputtering	R Zhang, Y Liu, Y Wang, Z Huo, B Du, H Zhong, Y Shi Journal of Computational and Theoretical Nanoscience 13 (9), 5660-5663		2016
Herbal Compound "Jiedu Huayu" Inhibits the Mitochondrial Permeability Transition and Protects Against Acute Liver Failure	M Wang, H Qiu, R Zhang, F Long, Q Shi, XF Wang, Y Chen, N Wang, ... Journal of Computational and Theoretical Nanoscience 13 (9), 6233-6239		2016
Research on the Evolutionary Mechanism of Net-Mediated Public Sentiments Based on Multi-Topics	H Weidong, C Lingyun, Y Xuejie Journal of Computational and Theoretical Nanoscience 13 (9), 5706-5713		2016
Research on the Rabbit Farm Environmental Monitoring and Early Warning System Based on the Internet of Things	JJ Yang, B Dong, Z Wang, B Guo, S Hao Journal of Computational and Theoretical Nanoscience 13 (9), 5964-5970		2016
The Research of Adaptation Watershed Segmentation Based on Wavelet Transform and Fractal Dimension	L Song, J Xue, B Wang, L Lei, Z You Journal of Computational and Theoretical Nanoscience 13 (9), 6403-6408		2016
An Identification Method of Order Parameter in System Evolution Based on the Goal Programming Evaluation Model	X Wen, N Liu Journal of Computational and Theoretical Nanoscience 13 (9), 5781-5787		2016
Prediction Model of Flue-Cured Tobacco Sensory Quality Based on Clustering and Generalized Radial Basis Function Neural Network	HF Shao, XY Zhao, WX Huang, DL Li, L Fan, ZJ Xiao, ZC Xu Journal of Computational and Theoretical Nanoscience 13 (9), 6081-6087		2016
The Existence and Size of Representative Elementary Volume in 35 Perpendicular Fractured Rock Masses	X Zhang, H Song, Q Yu Journal of Computational and Theoretical Nanoscience 13 (9), 5920-5931		2016
Health Evaluation System for B/S Based Power Grid Information Management Software	X Xie, Z Chang, H Ju, W Jiang Journal of Computational and Theoretical Nanoscience 13 (9), 6136-6140		2016
An Exploration of the Methods to Calculate the Gini Coefficient in H Province	Y Bi, J Lv, W Ma Journal of Computational and Theoretical Nanoscience 13 (9), 6320-6330		2016

Title	1–1000	Cited by	Year
Chinese Rosin Intra-Industry Trade Research	J Wang, Y Nie Journal of Computational and Theoretical Nanoscience 13 (9), 6034-6042		2016
The Design and Implementation of Tower Defense Game Based on Flash	M Wang Journal of Computational and Theoretical Nanoscience 13 (9), 5987-5992		2016
Surrounding Rock Stability Control of Auxiliary Return Airway in High-Stress Working Face	K Wang, J Li, W Qi, G Kong, T Song Journal of Computational and Theoretical Nanoscience 13 (9), 6196-6202		2016
Hysteretic Nonlinear Dynamic Characteristics of Magnetic Shape Memory Alloy Actuator	J Xu, Y Kong, Z Zhu Journal of Computational and Theoretical Nanoscience 13 (9), 5699-5705		2016
Dynamic Behavior of Autoclaved Aerated Concrete Structures with Sliding Type Base Isolation System	W Gu, S Wang, X Ruan, W Cai Journal of Computational and Theoretical Nanoscience 13 (9), 6019-6028		2016
Research on the Application of Genetic Algorithm in License Plate Recognition System	Z Ying-Yong, Y Guang-Bin, Z Yong-De, W Xian-Wei, C Ju-Hui Journal of Computational and Theoretical Nanoscience 13 (9), 6088-6097		2016
Research on the Communication Transmission and Routing Protocols of Quantum Mobile Internet	X Fan, X Wen, Y Zhuang Journal of Computational and Theoretical Nanoscience 13 (9), 5742-5747		2016
Technological Parameters Analysis and Numerical Simulation of Hot Pushing Pipe Bending	L Huang, X Lu, X Zhang Journal of Computational and Theoretical Nanoscience 13 (9), 5682-5687		2016
Crack Stress Analysis of PBX Explosive Component Under the Action of Stress	G Zhenzhi, H Bin, F Qian, H Yeman, L Wenzhi Journal of Computational and Theoretical Nanoscience 13 (9), 5748-5754		2016
Simulation Study on Neural Network Identification of Damage Components	G Zhenzhi, H Bin, C Lujie, L Wenzhi, Z Shangwen Journal of Computational and Theoretical Nanoscience 13 (9), 5858-5866		2016
Study on Application of Squeeze Film Damper in Precision Hole Grinding	S Qiang, S Jia-Heng, T Xiao-Mei Journal of Computational and Theoretical Nanoscience 13 (9), 5867-5871		2016
Analysis of Tobacco Consumer Elasticity of Demand in China	B Yu Journal of Computational and Theoretical Nanoscience 13 (9), 5872-5878		2016
An Self-Organizing Evaluation Method Based-on Goal Programming	W Xin, L Tingting Journal of Computational and Theoretical Nanoscience 13 (9), 6098-6102		2016
Research on Communication Signal Noise-Reduction Based on the Improved Wavelet Multi-Scale Decomposition	B Dong, C Li, B Guo, X Zhang, J Yang Journal of Computational and Theoretical Nanoscience 13 (9), 6185-6188		2016
A Non-Cooperative Differential Game Model for Resource Allocation in Cloud Computing	Z Li Journal of Computational and Theoretical Nanoscience 13 (9), 5993-5998		2016
Understanding Predictors of Telehealth Acceptance: A More Comprehensive Perspective	CH Tsai, JY Wang, SW Wang Journal of Computational and Theoretical Nanoscience 13 (9), 5731-5736		2016
Prediction Methods for Accelerated Creep in Rocks Under Varying Failure Modes	C Shen, Y Wang, H Li Journal of Computational and Theoretical Nanoscience 13 (9), 6043-6051		2016

Title	1–1000	Cited by	Year
Experimental and Coexistence Theory Prediction Research on the Formation Amount of 2CaO·SiO₂–3CaO·P₂O₅ Solid Solution in CaO–SiO₂–FeO–P₂O₅ Slag			2016
N Lv, C Su, L Wu Journal of Computational and Theoretical Nanoscience 13 (9), 5645-5654			
Evolutionary Analysis of Green Behavior Decision-Making Based on Cumulative Prospect Theory			2016
S Yang, C Liang Journal of Computational and Theoretical Nanoscience 13 (9), 6127-6135			
Computational Fluid Dynamics Simulation of Stratified Indoor Environment in Displacement Ventilation Space with Double Heat Sources			2016
W Cai Journal of Computational and Theoretical Nanoscience 13 (9), 5832-5840			
Nonlinear Torsional Mechanical Properties of ZnO Nanowire Based on Completely Nonlocal Theory			2016
S Jun-Peng, D Bing, Y Guang-Bin, S Jin-Hui, H Yu-Dong Journal of Computational and Theoretical Nanoscience 13 (9), 5633-5637			
PageRank Algorithm Convergence Proof and Solving Theoretical Value			2016
G Chen, XZ Xie Journal of Computational and Theoretical Nanoscience 13 (9), 5951-5955			
Fuzzy Cognitive Maps Combine Emotional Dimension Theory in Speech Emotion Recognition			2016
W Zhang, X Zhangw, Y Sun, Q Zhang Journal of Computational and Theoretical Nanoscience 13 (8), 5598-5604			
InGaAsP/InP Microring Resonator (MRR) Waveguide Used to Generate Soliton Comb with Tunable Channel Spacing			2016
F Alizadeh, MN Hashim, H Ahmad, IS Amiri Journal of Computational and Theoretical Nanoscience 13 (8), 4829-4834			
Research on the Evaluation of the Wushu Athletes' Physical Ability with Interval Grey Linguistic Variables			2016
C Jiao Journal of Computational and Theoretical Nanoscience 13 (8), 5437-5439			
Electron Density Analysis of Niacin, Folate, and Riboflavin from Jackfruit on SWCNTs			2016
B Bonsakhteh, M Monajjemi Journal of Computational and Theoretical Nanoscience 13 (8), 5010-5020			
Synthesis and Molecular Structures of Some New Cu (II) and Fe (III) Diclofenac Drug Complexes in Different Solvents			2016
MS Refat, SA El-Korashy, AK Powell, MA Hussien, MA Al-Omar, ... Journal of Computational and Theoretical Nanoscience 13 (8), 5399-5407			
Magnetic Nano Particle Fe₃O₄@ Calix [8] Core—Shell: A Comparison with CNTs			2016
S NasirvandShaker, K Zare, M Monajjemi Journal of Computational and Theoretical Nanoscience 13 (8), 4923-4931			
Computational Investigation of Fe₃O₄ on Cyclodextrin (α, β and γ) Sensors: A Comparison with Fe₃O₄@(9, 9) SWCNTs			2016
Z Abbasi, M Monajjemi, K Zare Journal of Computational and Theoretical Nanoscience 13 (8), 5583-5589			
Combination Effect of Waviness and Vacancy Defects on the Natural Frequency of Single Walled Carbon Nanotubes			2016
M Amjadipour, DV Dao, N Motta Journal of Computational and Theoretical Nanoscience 13 (8), 5031-5036			
Improve 3-D Reconstruction from Single and Multiple Images by Image Processing Methods			2016
Y Zhou, Y Tan, G Li Journal of Computational and Theoretical Nanoscience 13 (8), 5231-5241			
A Novel Reversible Adder/Subtractor with Overflow Detection			2016
MR Jahangir, K Navi Journal of Computational and Theoretical Nanoscience 13 (7), 4050-4055			
Opportunity Interference Alignment Channel Singular Value Decomposition and Its Reciprocal Channel Condition			2016
Y An, X Sun, Z Li, S Li Journal of Computational and Theoretical Nanoscience 13 (7), 4784-4787			

Title	1–1000	Cited by	Year
Computational Design of Triptycene-Based Silsesquioxanes Triptycene (Si₂ n O₃ n H₂ n– 1) 2 (n= 1–6): A Density Functional Theory Study	CG Zhang, SY Yu, J Wang, X Yin Journal of Computational and Theoretical Nanoscience 13 (7), 4136-4140		2016
A Molecular Solution for the Ramsey Number Based on AuNP Self-Assembly	Z Song, J Li, C Liang, J Yang, C Zhang Journal of Computational and Theoretical Nanoscience 13 (7), 4506-4509		2016
Singular Optical Solitons in Nonlinear Directional Couplers	MA Banaja, SA Alkhateeb, AA Alshaery, EM Hilal, JV Guzman, Q Zhou, ... Journal of Computational and Theoretical Nanoscience 13 (7), 4660-4664		2016
Study on Image Restoration Algorithm Based on PDE Intelligent Algorithm	K Liu, RJ Hu Journal of Computational and Theoretical Nanoscience 13 (7), 4521-4524		2016
Thermoelastic Analysis for an Infinite Solid Cylinder Due to Harmonically Varying Heat with Thermal Conductivity Variable	KZ Elsherbeny, AE Abouelregal, SM Abo-Dahab, AF Rashid Journal of Computational and Theoretical Nanoscience 13 (7), 4493-4500		2016
An Efficient Super-Peer Selection for Peer-to-Peer Live Streaming Networks Over Video-On Demand Service	N Madeshan, A Chokkalingam Journal of Computational and Theoretical Nanoscience 13 (7), 4606-4613		2016
Non-Covalent Investigation of Superparamagnetic “Fe₃O₄@ SWBNNTs” Core–Shell	M Taghipour, J Kondabey, F Arjmand, E EbrahimiMokaram, M Behravan, ... Journal of Computational and Theoretical Nanoscience 13 (7), 4722-4729		2016
Minimally Supervised Text Classification Using von Neumann Kernel	W Zhu, J Chen, X He Journal of Computational and Theoretical Nanoscience 13 (7), 4163-4168		2016
A MPPT Algorithm Based on Membrane System for Photovoltaic Systems Under Partially Shaded Conditions	J He, J Fu, J Liu, J Xiao Journal of Computational and Theoretical Nanoscience 13 (6), 3878-3886		2016
Cascade Wavelets: A Novel Approach for Formation Identification	F Gong, X Zhang, W Gong, R Dou, T Chen Journal of Computational and Theoretical Nanoscience 13 (6), 3714-3721		2016
Improved Chaos Multi-Objective Particle Swarm Optimization	X Zhang, X Wang, Y Niu, G Cui Journal of Computational and Theoretical Nanoscience 13 (6), 3659-3666		2016
A Note on Reversible and Dual Extended Spiking Neural P Systems	X Wang, P Zheng Journal of Computational and Theoretical Nanoscience 13 (6), 3744-3748		2016
Application of DNA Self-Assembly for Maximum Matching Problem	Z Kou, H Zhang, X Qiang, W Lan, K Zhang Journal of Computational and Theoretical Nanoscience 13 (6), 3562-3567		2016
A Novel Discrete Particle Swarm Optimization Algorithm for Solving Graph Coloring Problem	K Zhang, W Zhu, J Liu, J He Journal of Computational and Theoretical Nanoscience 13 (6), 3588-3594		2016
Membrane-Inspired Evolutionary Algorithms for Finding the Core Nodes of Large Connected Graphs	Y Niu, K Zhang, Y Wu, J Xiao Journal of Computational and Theoretical Nanoscience 13 (6), 3871-3877		2016
Computational Efficiency of Timed Tissue P Systems with Cell Division	Y Niu, K Zhang, J Xiao Journal of Computational and Theoretical Nanoscience 13 (6), 3629-3635		2016
A Dual-Model to Optimize Layout Problem in a Traffic Network Using Improved Genetic Algorithm	Y Duan, K Zhou, W Dong, Q Fu Journal of Computational and Theoretical Nanoscience 13 (6), 3855-3864		2016

Title	1–1000	Cited by	Year
Logical Computation Using Algorithmic Self-Assembly of DNA Sub-Tile	Y Wang, X Ma, G Cui Journal of Computational and Theoretical Nanoscience 13 (6), 3959-3963		2016
Electrochemical Study of Graphene Electrodes and Helium-(h-BN) m (m= 1–3) Insulator	M Farhadi, S Khayatardestani, A Ziglari, S Bagheri, M Monajjemi Journal of Computational and Theoretical Nanoscience 13 (5), 3352-3360		2016
A Theoretical Study of Fe₃O₄@ SiO₂ Nano-Particles: A Comparison with Fe₃O₄@(m, n) SWCNTs for Synthesize of Organic Compounds	F Alemi-Tameh, J Safaei-Ghomi, MM Hashemi, M Monajjemi Journal of Computational and Theoretical Nanoscience 13 (5), 3059-3069		2016
Non-Bonded Interaction Between Phosphorus-Boron Double Wall Nanotubes (DW-PB-NTs): Structural and Electronic Properties	J Shakibayifar, MM Barforushi, M Sayadian, S Bagheri, M Derakhshandeh, ... Journal of Computational and Theoretical Nanoscience 13 (5), 3175-3182		2016
Double Walled Gallium–Nitride and Zinc-Oxide Nanotube as a Cylindrical Nano Capacitor	AR Ilkhani, M Pishehabadi, M Zohrabi, S Mesdaghi, M Khandani Journal of Computational and Theoretical Nanoscience 13 (5), 2900-2908		2016
Wavelet-Galerkin Method-Based Numerical Solution for Fractional-Order Fredholm Integral Equation of the First Kind	AM Yang, Y Han, J Li, YZ Zhang, YH Qu Journal of Computational and Theoretical Nanoscience 13 (5), 2822-2826		2016
Theoretical and Numerical Study for Solving the Fractional Modeling Dynamics of Human Immunodeficiency Virus and CD4+ T-Cells During Primary Infection	MM Khader, MM Babatin Journal of Computational and Theoretical Nanoscience 13 (5), 3005-3012		2016
Assessment on the Ability of Psychology Teacher's Communication Practice Based on the Improving the Technique for Order of Preference by Similarity to Ideal Solution	GM Du Journal of Computational and Theoretical Nanoscience 13 (5), 3265-3268		2016
On the k-Roman Domination of Graphs	M Li Journal of Computational and Theoretical Nanoscience 13 (5), 2705-2709		2016
A Survey on Nanoscale Atomic Clusters Structural Optimization Using Computational Intelligence Algorithms	D Li Journal of Computational and Theoretical Nanoscience 13 (4), 2232-2236		2016
Study on the Inversion Model Between Remote Sensing Data and Rocky Desertification in Southeast Yunnan	S Li, L Yuan, X Yuan, Y Yang Journal of Computational and Theoretical Nanoscience 13 (4), 2574-2581		2016
On Anti-Periodic Solutions of Shunting Inhibitory Cellular Neural Networks with Time-Varying Delays and Continuously Distributed Delays	C Xu, W He Journal of Computational and Theoretical Nanoscience 13 (3), 1553-1560		2016
Wave Propagation in a Generalized Thermoelastic Transversely Isotropic Plate Using Eigenvalue Approach	IA Abbas, EAE Mohamed Journal of Computational and Theoretical Nanoscience 13 (3), 1629-1634		2016
Modifying Algorithm for the Failure Stress According to the Joint Strength Formula	R Li, J Liu, Z Wang, J Luo, H Mu Journal of Computational and Theoretical Nanoscience 13 (2), 1153-1157		2016
New Current-Mode Ternary Full Adder Circuits Based on Carbon Nanotube Field Effect Transistor Technology	M Moradi, K Navi Journal of Computational and Theoretical Nanoscience 13 (1), 327-337		2016

Title	1–1000	Cited by	Year
Numerical Study of Fractional Logistic Differential Equation Using Implementation of Legendre Wavelet Approximation	MM Khader, MM Babatin Journal of Computational and Theoretical Nanoscience 13 (1), 1022-1026		2016
A Spectrum Sensing Algorithm of Range of Eigenvalue to Energy Detection Ratio	H Feijiang, L Gun, L Zhengan, Z Yang, S Qian Journal of Computational and Theoretical Nanoscience 13 (1), 418-424		2016
Optimal Passive Detection Using Digital Television Terrestrial Broadcasting Single Frequency Network	B Gao, J Wang, G Zhang Journal of Computational and Theoretical Nanoscience 13 (1), 361-367		2016
Extraction of Disease-Centred Dynamic Biomedical Information from Literature Using Statistical Computation	L Gong, R Yang, Z Dong, H Chen, G Yang Journal of Computational and Theoretical Nanoscience 13 (1), 722-727		2016
Birnbaum-Saunders Distribution for Software Reliability Data Analysis Using Markov Chain Monte Carlo Method	AA Al-Shomrani, Al Shawky, OH Arif Journal of Computational and Theoretical Nanoscience 13 (1), 1042-1050		2016
Vessel Collision Risk Assessment Based on Evidential Reasoning Theory	Y Zhao, W Li, C Liu Journal of Computational and Theoretical Nanoscience 13 (1), 856-863		2016
Meta-Analysis of Anterior Surgery versus Posterior Surgery for Thoracolumbar Burst Fractures	YW Jiang, H Xia, HF Liu, QG Hu, G Zheng, HB Zhao, MG Huang Journal of Computational and Theoretical Nanoscience 13 (1), 678-687		2016
Estimation of the Tolman Length of Nano-Scale Droplets Based on the Reduced Kelvin Equation	XS Wang, ZB Yang, L Zhou, A Hu, BZ Lv Journal of Computational and Theoretical Nanoscience 13 (1), 110-113		2016
Sensitivity Measurement of Fibre Bragg Grating System for Temperature Sensor Application	S Daud, AF Noorden, MS Aziz, K Chaudhary, M Bahadoran, J Ali Journal of Computational and Theoretical Nanoscience 12 (12), 5778-5780		2015
The Relation Between Cutting Force and Chip Geometric Deformation in the Turning of TI-6AL-4V with Carbon Dioxide Snow Coolant	H Xiao, L Li, W Zhao Journal of Computational and Theoretical Nanoscience 12 (12), 5425-5435		2015
The Harmonic Oscillator Problem in the Scale Relativity Theory. Its Implications in the Morphogenesis of Structures at Various Scale Resolutions	B Doroftei, LD Duceac, DD Iacob, N Dănilă, S Volovăţ, V Scripcariu, ... Journal of Computational and Theoretical Nanoscience 12 (12), 5870-5881		2015
Pearson III Distribution and Its Applications to Stochastic Activity Networks	Al Shawky, YH Abdelkader, MM Badr Journal of Computational and Theoretical Nanoscience 12 (12), 5125-5132		2015
Water Resource Optimal Allocation Based on Mathematical Model in Manas River Basin, China	G Yang, XL He, JF Li, C Wang, LQ Xue, JC Chen Journal of Computational and Theoretical Nanoscience 12 (12), 6278-6281		2015
Surface Tension and Surface Energy of Nanomaterials	XH Yu, J Rong, TL Fu, ZL Zhan, Z Liu, JX Liu Journal of Computational and Theoretical Nanoscience 12 (12), 5318-5322		2015
Influence of Oil Seal Edge on Lubrication Characteristics of Circular Recess Fluid Film Bearing	X Yu, J Sui, X Meng, X Wu, D Sun, Y Zhang, W Wang Journal of Computational and Theoretical Nanoscience 12 (12), 5839-5845		2015
Theoretical Performance Analysis of Paar's Algorithm for the Shortest Linear Program Problem in F2	M Wang Journal of Computational and Theoretical Nanoscience 12 (12), 5759-5764		2015
Computation of grasping and manipulation for multi-fingered robotic hands	Z Li, G Li, G Jiang, Y Fang, Z Ju, H Liu Journal of Computational and Theoretical Nanoscience 12 (12), 6192-6197		2015

Title	1–1000	Cited by	Year
On Numerical Solution Approach for the Volterra-Fredholm Integral Equation	MA Ismail, AK Khamis, MA Abdou, AR Jaan		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 5968-5975			
Determination of Einstein A and B Coefficients for a Confined Two Ions System Under the Action of a Harmonic Oscillator Potential	HA Villa-Martinez, A Castellanos-Moreno, A Corella-Madueño, ...		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 5555-5561			
A Novel Intelligent Computational Model for Analyzing and Predicting Coal Mine Water Inrush	Z Yan, Y Yang, S Li		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 6172-6177			
Dynamic Modeling and Computational Experiment of Consumers' Green Purchase Behavior	G Hong-Jun, W Han, Z Ai-Wu		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 6107-6113			
Hybrid Computational Intelligent Methods Incorporating Into Network Intrusion Detection	H Qu, S Jian, X Tang, P Wang		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 5492-5496			
Numerical Studies for Variable Order Linear and Nonlinear Fractional Cable Equation	NH Sweilam, M Adel, AF Saadallah, TM Soliman		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 5535-5542			
Spectroscopy and Analytical Expressions for Intermediate States of the Hydrogen Atom	A Pishkoo, M Darus		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 5902-5905			
The Construction Mode of Teacher-Student Communication Platform of Track and Field Web Course in University Physical Education	W Lin, G Xu		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 5814-5824			
Predictions of the Mechanical and Structural Properties of Spherical Platinum Nanoparticles by Chen-Mobius Lattice Inversion Method	EH Abdul-Hafidh, B Aissa		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 5076-5080			
Intelligent computation in grasping control of dexterous robot hand	W Ding, G Li, G Jiang, Y Fang, Z Ju, H Liu		2015
Journal of Computational and Theoretical Nanoscience 12 (12), 6096-6099			
An Algorithmic Global Criterion Excluding Oscillations Based on Algebraic First Integrals	EO Abdel-Rahman, ZSA Malki, SA Dakroury		2015
Journal of Computational and Theoretical Nanoscience 12 (11), 4674-4678			
The Electrical Properties and Band Structure Study of (7, 0)@(14, 0) Double Wall Zinc Oxide Nanotubes (DWZnONTs)	A Elsagh, H Jallilian, E Kianpour, HSG Mokri, M Rajabzadeh, MS Moosavi, ...		2015
Journal of Computational and Theoretical Nanoscience 12 (11), 4211-4218			
Analytical Solution of Magneto-Thermoelastic Diffusion Problem on a Hollow Cylinder	IA Abbas, FS Alzahrani		2015
Journal of Computational and Theoretical Nanoscience 12 (11), 4747-4754			
A Half-Space Problem in the Fractional Order Theory of Thermoelastic Diffusion	IA Abbas, AD Hobiny		2015
Journal of Computational and Theoretical Nanoscience 12 (11), 4803-4808			
Computational Design of Germanium-Sesquioxanes Nanobuilding Blocks	CG Zhang, MT Yue, SY Yu, J Hou		2015
Journal of Computational and Theoretical Nanoscience 12 (11), 4063-4067			
Thermoelastic Waves of Cylindrical Nano-Beam Subjected to Thermal Shock	EA Al-Lehaibi		2015
Journal of Computational and Theoretical Nanoscience 12 (11), 4885-4889			
Introducing FDM Combined with Hermite Formula for Solving Numerically the Linear Fractional Klein-Gordon Equation	MM Khader, EM Solouma		2015
Journal of Computational and Theoretical Nanoscience 12 (11), 4579-4583			

Title	1–1000	Cited by	Year
Collaborative Case-Based Reasoning and Its Applications in Designing Circuit Systems	Y Ge, Z Gu, EL Muianga, D Gu		2015
	Journal of Computational and Theoretical Nanoscience 12 (11), 4438-4441		
A Quality Control Method Based on K-Nearest Neighbor Algorithm for Missing and Problematic Datasets	Y Lu		2015
	Journal of Computational and Theoretical Nanoscience 12 (11), 4263-4266		
Adsorption of Cyclic Poly Peptides on the Nano-Surface of Graphene Sheet	M Sayadian, A Chitsazan, Z Jamali, MS Khalili, G Niyatzadeh, F Naghsh, ...		2015
	Journal of Computational and Theoretical Nanoscience 12 (11), 4526-4530		
Plasma Kinetics in Deuterium-Filled Plasma Focus with Step Anode Configuration	SN Mohamad, NA Rashid, K Chaudhary, S Lee, SH Saw, J Ali		2015
	Journal of Computational and Theoretical Nanoscience 12 (10), 3531-3537		
Parallel Programming in Spiking Neural P Systems with Synapses States	K Yuan, Z Dongming		2015
	Journal of Computational and Theoretical Nanoscience 12 (10), 3418-3423		
Coupled Solving Thermal Deformation of Hydrostatic Bearing Rotary Worktable Based on Temperature Fields of Oil Film	Y Zhang, G Liu, X Yang, C Hu, H Wang, J Shao		2015
	Journal of Computational and Theoretical Nanoscience 12 (10), 3917-3921		
Existence and Global Exponential Stability of Anti-Periodic Solutions for Shunting Inhibitory Cellular Neural Networks with Impulses and Continuously Distributed Delays	C Xu, Q Zhang, M Liao		2015
	Journal of Computational and Theoretical Nanoscience 12 (10), 3927-3935		
Theoretical Study of the Sensitivity of Colorimetric Sensor Array in Methanol Phase Using Density Functional Theory	H Gu, Y Sun, H Dai		2015
	Journal of Computational and Theoretical Nanoscience 12 (10), 3835-3839		
Ion Distribution in a 3 nm in Diameter Nanopore	Y Ge, Q An, M Kang, Y Wang, G Zhong, Y Chen		2015
	Journal of Computational and Theoretical Nanoscience 12 (10), 3482-3486		
A Theoretical Study of Colorimetric Sensor Array Reacting with Volatile Organic Compounds Using Density Functional Theory	H Gu, Y Sun, X Huang, H Dai		2015
	Journal of Computational and Theoretical Nanoscience 12 (10), 3459-3463		
Classification of Small Ramafullerenes	M Ghorbani, M Songhori		2015
	Journal of Computational and Theoretical Nanoscience 12 (9), 2463-2471		
Two-Temperature Generalized Thermoelastic Interaction of Functional Graded Material	IA Abbas, HM Youssef		2015
	Journal of Computational and Theoretical Nanoscience 12 (9), 2488-2494		
The CE/SE Method for the Electro Hydraulic Extracorporeal Shock Wave Lithotripsy	X Zhang, L Tang, J Chen		2015
	Journal of Computational and Theoretical Nanoscience 12 (9), 2913-2919		
The Application of DNA Molecule Algorithm on the Graph's Connectivity Problem	Y Wang, F Liu, M Song, Y Dong		2015
	Journal of Computational and Theoretical Nanoscience 12 (9), 2117-2120		
A Comparative Quantum Chemical Study of a Novel Synthetic Prenylated Chalcone: High Accuracy of NMR 13C GIAO-DFT Scaling Factor Calculations at the mPW91PW91/6-31 G (d) Level of Theory	FL Paranhos Costa, M da Silva, G Vingre, AC Ferreira de Albuquerque, ...		2015
	Journal of Computational and Theoretical Nanoscience 12 (9), 2202-2207		
Molecular Interactions in the Systems Composed of Curcumin, Water and Single-Walled Carbon Nanotube: A Molecular Dynamics Simulation Study	MI Bonab, JJ Sardroodi, AR Ebrahimzadeh, F Mehrnejad		2015
	Journal of Computational and Theoretical Nanoscience 12 (9), 2077-2083		

Title	1–1000	Cited by	Year
Theoretical Studies of MgSO₄ Inside a Nano-Cone as Epsom Salt Drugs	Z Yousefian, M Monajjemi Journal of Computational and Theoretical Nanoscience 12 (9), 2189-2194		2015
Investigating the Design Strategy of Colorimetric Sensor Array Using Time-Dependent Density Functional Theory	H Gu, W Miao, Q Du, Y Sun, Y Wen Journal of Computational and Theoretical Nanoscience 12 (9), 2395-2398		2015
Probing the Ability of Metal-Phthalocyanine to Bind Volatile Organic Compounds Using Density Functional Theory	H Gu, G Zhan, W Miao, Q Du, Y Sun, Y Wen Journal of Computational and Theoretical Nanoscience 12 (9), 2484-2487		2015
A Special Section on Nanomaterials and Nanostructure	D Li Journal of Computational and Theoretical Nanoscience 12 (9), 2623-2623		2015
Computing Wiener Index of C_{24n} Fullerenes	M Ghorbani Journal of Computational and Theoretical Nanoscience 12 (8), 1847-1851		2015
TCAD Assessment of Dielectrics and Channel Doping Impact in Junctionless Double Gate MOSFET	B Santhibhushan, P Dobwal, A Srivastava Journal of Computational and Theoretical Nanoscience 12 (8), 1924-1930		2015
Interaction Due to Thermal Source in Micropolar Thermoelastic Diffusion Medium	IA Abbas, R Kumar, S Kaushal Journal of Computational and Theoretical Nanoscience 12 (8), 1780-1786		2015
Deformation Due to Thermomechanical Sources in a Homogeneous Isotropic Micropolar Thermoelastic Medium with Void	IA Abbas, R Kumar, KD Sharma, SK Garg Journal of Computational and Theoretical Nanoscience 12 (8), 1698-1708		2015
Selection Informative Single Nucleotide Polymorphisms Using Improved Evolutionary Algorithm from Large Scale Dataset	M Liu, J Tang, H Ye Journal of Computational and Theoretical Nanoscience 12 (8), 1821-1826		2015
Rutherford Scattering Model Implemented in Molecular Dynamics Simulations for Electron Irradiation Effects	S Zhao, W Zhu, P Wang, H Wang Journal of Computational and Theoretical Nanoscience 12 (8), 1606-1609		2015
The Application Research of DNA Self-Assembly Computing for Solving the Minimum Spanning Tree	Z Wang, L Bian, Y Wang, G Cui Journal of Computational and Theoretical Nanoscience 12 (7), 1462-1466		2015
Simulation of Sequence Design for Juxtapose2 DNA Tile	Z Wang, H Wang, R Shi, D Han, Y Wang, G Cui Journal of Computational and Theoretical Nanoscience 12 (7), 1378-1383		2015

Dates and citation counts are estimated and are determined automatically by a computer program.