CALL FOR PAPERS

SCIENCE of ADVANCED MATERIALS

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A Special Issue on

“Functional Nanomaterials for Energy and Environment (2019)”

Call for Papers

The energy and environmental problems have received more and more attention. The main environmental problems included global climate change, acid rain pollution, toxic and harmful chemicals, etc. Especially, there are prevalent environmental problems in developing countries, such as water pollution, land degradation, soil erosion, and forest reduction. With the backdrop of limiting supplies of fossil fuels, there is an urgency to construct energy-converting systems. It is well known that advanced functional materials exhibited improve properties and promising applications in energy and environment fields. It is of great importance to develop new strategy to synthesize advanced functional materials with controlled property, which will broaden and improve their industrial applications. Moreover, it is necessary to explore the formation mechanism so as to obtain improve property for energy generation and environmental protection.

The aim of this issue is to discuss the recent development of advanced functional materials for their energy and environmental applications. Those original and review articles are welcomed. The recent development of advanced functional materials for their promising applications potential will be greatly appreciated. Moreover, we paid attention to the interaction and mechanism among functional materials, microstructure and property. We therefore cordially invite submission of (i) Research Articles, (ii) Review articles, (iii) Communications/ Letters to editors covering the following topics (but not limited to):
Potential topics include, but are not limited to:

- Synthesis strategies and characterization methods of advanced functional materials
- Films, hydrogels, and aerogel from advanced functional materials
- Interaction and mechanism between different types of advanced functional materials
- Materials for hydrogen generation and storage
- Batteries and supercapacitors
- Semiconductors and energy applications
- Materials for environmental protection
- Materials for wastewater treatment
- Theoretical calculation and simulation for energy-converting systems
- Carbon-based composites
- Biomass-based composites

ABOUT SCIENCE of ADVANCED MATERIALS

Science of Advanced Materials is an interdisciplinary peer-reviewed journal consolidating research activities in all experimental and theoretical aspects of advanced materials in the fields of science, engineering and medicine including synthesis, fabrication, processing, spectroscopic characterization, physical properties, and applications of all kinds of inorganic and organic materials, metals, semiconductors, superconductors, ceramics, glasses, ferroelectrics, low and high-k dielectrics, sol-gel materials, liquid crystals, biomaterials, organics and polymers, their based electronics, optics, photonics and biological devices.

MANUSCRIPT SUBMISSION

☐ All manuscripts must be 100% original and unpublished which should be prepared according to the Journal’s guidelines, available at http://www.aspbs.com/sam.html. Submit your manuscripts in MS word and PDF format through www.mstracker.com.

☐ In the cover letter, please mention that the manuscript is submitted for the special issue. All papers submitted to this issue will be subjected to a strict peer review process to ensure high quality articles. Mention the name of three potential referees with their contact address and designation in the cover letter.

☐ Authors should submit a statement of novelty and originality in the cover letter to ensure that that the submitted paper is original and it is neither published previously nor submitted to any other journal presently and will not be submitted somewhere else before a final decision is made by this journal. The earlier published articles or submitted for publications in other journals/conference proceedings will not be considered. The language of the manuscript is English.
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IMPORTANT DATES

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