

MATERIALS FOCUS

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A Special Issue on

“Functional Materials: Fundamentals and Applications”

Call for Papers

Both rare earth resource utilization and functional materials have been received increasing attentions in their demands, applications and developments in recent years because of their dominant roles in our modern science and society. This special issue on functional materials aims to assess the current status and to identify future priority and directions in research, design and applications of catalytic materials, ferroelectric and piezoelectric materials, fuel-cell and battery materials, magnetic materials, optical materials, shape memory materials, supercapacitor materials, thermoelectric materials, and other related advanced functional materials. This special issue provides a platform and an opportunity to promote mutual interaction, information dissemination and exchange between researchers, and hence to promote fruitful collaborations on advanced, state-of-the-art functional materials research and development being developed. Contributions of all types of functional materials systems are welcome and will be considered in the form of original articles, short communications and review article. The articles will be assessed based on their originality, uniqueness and scientific merit and advancements in functional materials fundamentals and applications.

Topics or Themes (but not limited to):

- Materials modeling and calculations
- Materials fabrication and characterization
- Crystallization process
- Nanostructures and nanomaterials
- Thin films and devices
- Rare earth based materials
- Materials for electrochemical energy storage devices

Manuscript Preparation and Submission

Prospective authors should submit a single file having text/figures/tables all together in MS Word format directly to the Guest Editor Dr Kunfeng Chen via e-mail kfchen@ciac.ac.cn. A graphical abstract is mandatory for all types of papers. All

manuscripts will be peer-reviewed to ensure a high quality of articles. Please indicate in your cover letter that the submitted paper is original and has not been published previously and is not currently submitted to any other journal and will not be submitted elsewhere before a final decision is made by this journal. An early submission will get preference in case of review and publication process. All manuscripts should be prepared according to Journal's guidelines, available at <http://www.aspbs.com/mat/>.

Important Dates:

Last date of manuscript submission: August 10, 2016

Review completed: September 15, 2016

Publication date: October 01, 2016

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