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Topical Issue

Nanomaterials for Structural Applications

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Editorial Policy. The journal "Reviews on Advanced Materials Science" provides an international medium for the publication of reviews, topical issues and international conference proceedings in the area of theoretical and experimental study of advanced materials. Focuses are placed on, but not limited to nanostructured materials, semiconductors and high-transition-temperature superconductors. We encourage prospective authors to correspond with the principal editor before submitting a review article. Proposals should include an outline with key citations. All papers submitted will be rigorously peer-reviewed prior to publication. The journal "Reviews on Advanced Materials Science" is published in both paper and electronic versions.

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PREFACE

Nanostructured materials have attracted steadily, growing interest due to their outstanding properties and a wide range of new applications. In particular, nanostructured bulk materials, films, coatings and nanocomposites are now being introduced in structural applications, such as wear resistance, plastic forming, and other load bearing applications. Advancements in this area strongly depend on the development of new fabrication and processing technologies, along with the fundamental understanding of the nanoscale and interface effects on unique properties of nanomaterials. This topical issue contains selected papers focused on fundamental and applied studies of nanomaterials for structural applications. The special attention is paid to mechanical properties of nanomaterials. This issue will be of interest to researchers and graduate students in the field of nanostructured materials science and nanotechnologies. It can be also useful for engineers who are involved in production and processing of nanomaterials for structural applications.

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