

Special Issue

Advanced Functional Materials and Their Applications

Message from the Guest Editor

Advanced functional materials are new materials with special physical and chemical properties whose performance exceeds the limitations of traditional materials and has a wide range of application prospects and potential. For example, high-temperature corrosion-resistant materials can be used, for example, aviation and automobile engines; high-performance battery materials can be used in electronic equipment, electric vehicles, and other fields; and nano-materials can be used in the fields of biomedicine and atmospheric pollution prevention. Therefore, the research and application of advanced functional materials provide strong support for the innovation and development of various fields, and are expected to be applied in more fields in the future. This Special Issue aims to present research papers and review articles focusing on (1) the exploration of new mechanisms, (2) the design of new structures, and (3) the development of new materials.

Keywords

- new mechanisms
- new structures
- new materials

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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