Special Issue

Future Trends in Nanocrystal Composites

Message from the Guest Editor

We are pleased to invite you to submit your recent innovative manuscripts to this special issue “Future Trends in Nanocrystal Composites”. To overcome the current energy crises, novel materials that allow for energy saving or enhancing the efficiency of energy transfer should be made available by researchers and scientists. A global trend now is to move to gran hydrogen. Of course, the hydrogen chain require solutions for hydrogen storage and transfer, which is for today is not very efficient. Also, the use of hydrogen is always associated with material that possesses excellent electrical properties. The aim of this special issue is to enrich the scientific community knowledge with recent innovative nanocomposites manufacturing, processing, microstructural, mechanical, electrical, thermal, and wear properties, that might serve in the field of energy saving and efficiency of energy transfer. This might include metal- and polymer-based nanocomposites reinforced with different ceramics with special interest to Graphene and its derivatives.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/148799

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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