Special Issue

Nanofluid and Thermal Management

Message from the Guest Editors

Due to the energy crisis and energy inefficiency, as well as the high heat dissipation of batteries and electronic components, advanced technology of nanofluid and thermal management as an effective means of heat transfer enhancement is becoming more significant and has attracted increasing attention. We are pleased to invite you to submit papers to the Special Issue "Nanofluid and Thermal Management" in *Nanomaterials*. This Special Issue aims to develop advanced technology of nanofluid and thermal management, and to reveal the mechanism of heat transfer enhancement at the nano scale. Both original research and review articles on nanofluid and thermal management are highly welcome.

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Deadline for manuscript submissions

closed (30 June 2022)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 10.3
Indexed in PubMed

mdpi.com/si/89422

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mdpi.com/journal/nanomaterials

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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