Special Issue

Nanotechnology for Data Storage Applications

Message from the Guest Editor

Nanotechnology plays an extremely important role in social, scientific and technological developments. Throughout history, every major new technological discovery has depended on the development of nanotechnology. The substantial amount of data generated every second in the big data age creates a pressing requirement for new and advanced data storage techniques. Nanotechnology is increasingly being proposed in data storage. With its ability to manipulate matter on a molecular scale, the design, manufacturing and application of nanotechnology for data storage has attracted the attention of researchers in various fields. The Special Issue will cover all areas related to novel materials and the processing and theoretical study of nanotechnology for data storage applications.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2023)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/174176

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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