Special Issue

Adsorption Properties of Organic Nanomaterials

Message from the Guest Editor

Organic nanomaterials have attracted much interest in the recent past with the discovery of MOFs, COFs, and organic-mineral oxide hybrid materials. Because of their intrinsic properties, surpassing those of more traditional materials (activated carbons or zeolites), these materials have been tested for many applications including sensing, drug delivery, catalysis and sorption. In this Special Issue of the journal, the sorption properties of organic nanomaterials will be highlighted. Sorption is an important property that deserves to be investigated as it is an environmental friendly process in different ways. First, sorption is usually spontaneous, which is already very favourable in terms of cost. Second, there are environmental issues which are required to be solved; sorption could be the appropriate answer.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2021)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/44768

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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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