

Special Issue

Adsorption of Solid and Gaseous Surface

Message from the Guest Editor

Studies on the interaction of molecules with surfaces are becoming more important to enhance our fundamental knowledge of physical and chemical reactions between heterogeneous phases including gas–solid, liquid–solid or gas–liquid states, and for technical application purposes such as designing gas detection methods and lubricants for reducing friction. This Special Issue is focused on the structure and dynamics of adsorbates on adsorbents in various states. The synthesis and characterization of new materials with catalytic reactions aimed at reducing atmospheric pollutants will also be a focus. It is our pleasure to invite you to submit a manuscript to this Special Issue. Papers with the “from synthesis to application” approach are welcomed. Topics of interest include, but are not limited to, the following:

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2022)



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Message from the Editor-in-Chief

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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