

Special Issue

Recent Development of Surface Chemistry of Nanomaterials

Message from the Guest Editor

Nanomaterials (nanoparticles, nanostructures, nonporous materials, liposomes) process a large surface area, and thus surface properties of nanomaterials play a critical role in enabling various desired functions of nanomaterials. Surface modification of nanomaterials with a suitable surface modifier can tailor the surface properties in a way that enhances their dispersibility, function, reactivity, and their interaction with themselves as well as the surrounding environment. Therefore, this Special Issue addresses topics relevant to nanomaterial surface modification including methods. Chemistry, theory, and characterization. You are welcome to submit original manuscripts or review articles that focus on surface modification of nanomaterials including topics such as hydrophilic/hydrophobic/omni phobic surface modification of nanomaterials; surface functionalization (anionic, cationic, or neutral; surface-charge engineering; reactive surface modification; aqueous and non-aqueous dispersion of nanomaterials, colloidal stability, and formulation of such surface-modified nanomaterials in composites, coatings, inks and materials, etc.

Guest Editor

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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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