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Recent Development of Surface Chemistry of Nanomaterials

Guest Editor:

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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.













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Message from the Editor-in-Chief

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