Special Issue

Multilayer and Hybrid Two-Dimensional Materials

Message from the Guest Editor

The spectacular success of graphene has triggered an intensive search for other atomically thick two-dimensional (2D) materials. The extraordinary properties of these 2D materials together with capabilities of easy functionalization make them important players in several rapidly growing areas of science and technology that promise to design and build the next generation of nanoelectronic, spintronic, optoelectronic, thermal, energy-storage, mechanical, chemical, and sensing devices. Furthermore, combining 2D crystals into multilayer or hybrid assemblies can result in advanced, versatile, and fully functional materials with perfectly tailored and tuned properties. The aim of this Special Issue, entitled “Multilayer and Hybrid Two-Dimensional Materials”, it to present the recent state-of-the-art research on the properties, synthesis, characterization, and application of 2D materials in their multilayer forms. It is my pleasure to invite you to contribute to this Special Issue. Full experimental and theoretical research papers, communications, and review articles are all welcome.

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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