

Special Issue

Recent Progress on Thin 2D Materials

Message from the Guest Editors

Beyond the renowned graphene, an array of other 2D materials, such as transition metal dichalcogenides (TMDCs), hexagonal boron nitride (h-BN), and phosphorene, have emerged, showcasing a plethora of unique and diverse properties. The pace at which these materials are being discovered and studied is truly remarkable. These atomically thin materials, with their unique electrical, thermal, optical, and mechanical properties, have unlocked novel avenues in the realms of electronics, photonics, energy storage, and even biomedical applications. Original research articles, reviews, and perspective pieces that delve into the aforementioned areas are warmly welcomed. Together, let us sketch the evolving landscape of thin 2D materials and explore the innovations they are set to bring, forging pathways for future research and applications.

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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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