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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