Special Issue

Recent Progress in Semiconductor Spintronics

Message from the Guest Editors

Semiconductor spintronics has been an active topic of research across multiple disciplines of materials science for more than two decades. It aims to engender novel electronic functionalities through combinations of intrinsic or injected magnetism with the exquisite control and giant tunability of charge transport in semiconductors. This Special Issue focuses on recent progresses in the broad areas of semiconductor spintronics. The research of interest includes ferromagnetic semiconductor materials and related devices, hybrid devices combining conventional ferromagnets with traditional semiconductors, organic semiconductors, topological insulators, or 2D van der Waals materials. We are pleased to invite submissions of manuscripts to this Special Issue. Full papers, communications, perspectives, and reviews are all welcome.

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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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