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Recent Progress in Semiconductor Spintronics

Guest Editors:

Prof. Dr. Kaiyou Wang

State Key Laboratory for
Superlattices and Microstructure,
Institute of Semiconductors,
Chinese Academy of Sciences,
Beijing 100083, China

Prof. Dr. Peng Xiong

Department of Physics, Florida
State University, Tallahassee, FL
32306, USA

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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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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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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Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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