Special Issue

Transport and Energy Conversion at the Nanoscale and Molecular Scale

Message from the Guest Editors

This Special Issue on “Transport and Energy Conversion at the Nanoscale and Molecular Scale” seeks high-quality work and topics focusing on progress in the development of new methods and mechanisms for probing and understanding charge transport and energy conversion in nano- and molecular-scale devices. The topics of interest will include, but are not limited to, nanoelectronics and molecular electronics, nanoscale thermal transport and conversion, thermoelectricity, nanoscale thermal photovoltaics, nanoplasmonics, batteries, and fuel cells. This Special Issue will publish both original research and review articles. The potential non-exhaustive list of topics to be covered includes:

- Nanoscale heat transfer;
- Molecular electronics;
- Nanoelectronics;
- Nanoscale energy conversion;
- Thermoelectricity;
- Thermochemistry;
- Thermal transport;
- Nanoscale thermal photovoltaics;
- Nanoscale photothermal phenomena;
- Plasmon-driven photochemistry;

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Editor-in-Chief

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