Special Issue

Research on Interfaces and Transportation Phenomena in Materials Under Extreme Conditions

Message from the Guest Editors

We are pleased to announce that a new Special Issue, entitled “Research on Interfaces and Transportation Phenomena in Materials under Extreme Conditions”, is open to submissions. With the rapid development of nanotechnology and material science, researchers are able to observe and investigate transportation phenomena under extreme conditions, such as atomic scale, high power density, ultra-fast process, etc. Advanced atomic scale simulation methods, including molecular dynamics simulation, first-principle calculation, the Monte Carlo method, etc., enable us to thoroughly understand the physical mechanism of transportation. This Special Issue is open to submissions on new measurement techniques, simulations, and the theoretical modeling of transportation phenomena under extreme conditions, among other things, providing new insights and perspectives.

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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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