Special Issue

Advances in Surface Modification on Microstructure and Properties of Metals

Message from the Guest Editors

Research on the surface modification of microstructure and properties of metals has witnessed a dramatic rise in global attention over the past decade. Surface modification has been applied to metals in order to improve mechanical, chemical, and physical properties —such as wear resistance, corrosion resistance, biocompatibility, and surface wettability. Surface modification is a possible way to obtain sufficient resistance against environmental attack, when sufficient resistance cannot be attained by alloying addition and/or controlling microstructure. Surface modification techniques can significantly improve the long-term service performance of metals, as well as provide them with certain specific functions. We think that you could make an excellent contribution to this Special Issue.

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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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