Special Issue

Polymer Surface Modification and Characterization

Message from the Guest Editors

Polymer modification greatly improves the performance of polymer materials, or endows them with new functions, thus further broadening the application field of polymers and greatly improving their industrial application value. The surface properties of polymer materials are closely related to the overall properties of materials. In multiphase systems, the interface properties have an important influence on the overall material properties. It is of great theoretical and practical value to study the surface and interface properties of polymers. This Special Issue mainly introduces the characterization and modification of polymer surfaces and interfaces, including the interface and compatibilization of polymer blending systems, the surface and interface of functional polymer materials, the friction and wear of polymer surfaces, the interface of polymer matrix composites, bonding and adhesives, and other aspects of the basic principles. The aim of this Special Issue is to present the latest experimental and theoretical developments in the field, through a combination of original research papers and review articles from leading research groups around the world.

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Deadline for manuscript submissions

closed (10 January 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/105744

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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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