Special Issue

The Future of Interfaces—a Step Further towards a Complete Understanding of Surfaces

Message from the Guest Editors

Surfaces and interfaces of many types play a critical role in modern technologies associated with catalysis, electronics, energy conversion and storage, as well as medicine and health. The goal of modern surface chemistry is to improve the understanding of the mechanisms and reactions at interfaces down to a molecular level. This in-depth understanding can be achieved by either controlling surface properties using surface-engineering techniques or by revealing the secrets of known surfaces with new or innovative analysis techniques. The field of surface-engineering has rapidly expanded in the last few decades as the demand for enhanced materials has drastically increased. The thirst for materials displaying favorable properties (catalytic activity, optical transparency, toughness, conductivity, etc.) as well as their interactions with their surroundings in a specific manner has driven this expansion. Over the past few decades, various surface-science techniques have been developed, and a vast amount of knowledge about surface chemistry has been accumulated. The aim of this Special Issue is to present novel and interesting results for a better grasp of interface chemistry.

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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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