Special Issue

New Findings of MXenes: Preparation, Properties and Applications in Biotechnology and Catalysis

Message from the Guest Editors

This Special Issue will contribute to the rapid development of the new MXene research community. We will discuss the preparation, delamination, experimental, and computational studies on MXenes properties, as well as the possibilities for their potential applications. It is expected that this potentially-rich area of a new class of 2D materials will grow rapidly as an innovations-generating field. Researchers from different fields of science and technology are invited to join the European MXenes community, and start collaborations under joint research. Accordingly, we cordially invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews that cover the aspects of synthesis–structure–property relationships, combining experiments with theoretical knowledge, as well as future directions and applications in biotechnology, catalysis, and composite structures based on MXenes and their parent MAX phases are highly welcome.

Guest Editors

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Deadline for manuscript submissions

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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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