Special Issue

MXenes and Their Composites for Emerging Applications

Message from the Guest Editors

MXenes, a new and exciting class of two-dimensional materials, became one of the hot topics in scientist community. MXenes has attracted a great deal of attention due to its unique structure and morphology, mechanical property, carrier mobility, a wide range of compositions and excellent properties including ease of dispersibility and metallic conductivity. These properties render them promising candidates for use as fillers in polymer nanocomposites. Anisotropic nanofillers are very important and serve as excellent fillers for several polymer composites. Initially graphene was the most widely practiced anisotropic filler used in polymer nanocomposites.
Full papers, communications, and reviews are all welcome.

Guest Editors

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Deadline for manuscript submissions

closed (10 November 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/99896

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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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