Special Issue

Properties and Applications of Ionic Liquids

Message from the Guest Editor

In recent years, scientists and engineers have become increasingly interested in ionic liquids (ILs) because of their structures, and, consequently, their properties can be easily tailored for specific applications. Therefore, ILs are considered “designer solvents”. This Special Issue concerns all aspects related to recent progress in the synthesis of multifunctional ILs, their characterization with regards to physicochemical properties; thermal behavior, and biological and catalytic activity; as well as broadly understood applications of ILs, among others, in organic and inorganic synthesis, separation techniques and extraction processes, catalysis, electrochemistry, and polymer and elastomer composites. I kindly invite all researches interested in ionic liquid synthesis, properties, and wide applications, to submit a manuscript(s) for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)

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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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