Special Issue

Synthesis and Characterization of Nanomaterials for Electrochemical Applications

Message from the Guest Editors

Nowadays, many different synthetic approaches are available and, therefore, it is possible to design and develop new interesting nanomaterials or nano-composites that can combine multifunctional properties easily adaptable to different areas of application. The scope of this Special Issue, entitled “Synthesis and Characterization of Nanomaterials for Electrochemical Applications”, is to collect experimental research papers that can offer a detailed view of the research on the synthesis and characterization of novel nanostructured materials with peculiar electrochemical properties, able to face the current challenges related to environmental sustainability and energy production/conversion fields. Articles that refer to carbon-based materials, transition metal-based compounds, 2D or 3D nanomaterials or nanocomposites are welcome. Green chemistry synthetic approaches and multifunctional materials will be of particular interest. As a researcher in the field, I would like to invite you to contribute enhancing the quality of this Special Issue. **Keywords**

- nanostructure synthesis
- electrochemical application
- energy conversion
- catalysis
- multifunctional

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Deadline for manuscript submissions

closed (31 August 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/27368

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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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