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Photo/Electrochemical Properties and Applications of Inorganic Nanomaterials

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Deadline for manuscript submissions:
closed (20 June 2022)

Message from the Guest Editors

This Special Issue of the MDPI journal *Materials* represents an excellent opportunity to explore the unexplored complex photoelectrochemical properties/applications of advanced inorganic nanomaterials. We as Editors are inviting materials scientists, physicists, chemists, chemical engineers, and electrochemists to come forward and contribute to resolving the challenges and revealing the undiscovered potentiality of all 2D nanomaterials, oxides/sulfide/phosphides, MOFs/COFs, LDHs, MXenes, CNOs, GNPs, and all other carbon nanostructures for photoelectrochemical investigations. You are welcome to submit your original research or review articles on the below topics, though are not by any means restricted to these topics so long as your submission concerns inorganic nanomaterials and their photoelectrochemical properties.

Keywords

- nanoenergy materials
- photoelectrochemistry
- nanomaterials science and technology
- MXene (all 2D materials) applications
- LDH and MOF/COF advanced nanostructures
- all carbon nanostructures
- mono/bi/ternary metal oxides/sulfides/phosphides
- battery
- supercapacitor
- solar cells
- photocatalysis

mdpi.com/si/94582

Special Issue

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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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Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

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