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The Composition and Photoelectrochemical Performance of Thin Films

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

The main aim of this Special Issue is to serve scientists and engineers active in the fields of thin-film synthesis and its diagnostics, surface science, nanostructures (chemical composition, crystal phase) and finally their characterization (including composition and photoelectrochemical performance) and applications. The scope of the Special Issue includes results of materials science, specific surface analytical techniques, theoretical and computational methods, the processing of films and nanostructures and applied physics. The deposition processes may include: pulsed laser deposition, physical and chemical vapour deposition, thermal and plasma spraying, thermo-chemical treatment, wet chemical and electrochemical processes such as plating, sol-gel coating, anodization, plasma electrolytic oxidation, etc., but excluding painting. Tribology and bio surfaces are not in the issue's scope. Special attention should be paid to the material response during its exposure to the whole solar spectrum or the particular wavelengths.



mdpi.com/si/49522

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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