Special Issue

Advances in Synthetic Diamond Films

Message from the Guest Editors

In the last twenty years, conductive-synthetic diamond films have been the subject of applications and fundamental research in several fields of science and engineering. In this context, this Special Issue of Materials is devoted to the latest "Advances in Synthetic Diamond Films". We call for original research papers with high scientific quality as well as review articles covering topics including but not limited to:

- Synthesis and characterization of diamond materials;
- Applications and fundamental research in electrochemistry;
- Industrial applications;
- Synthesis of chemicals;
- Modification of diamond surfaces;
- Electroanalysis, analytical chemistry and instrumental applications;
- Water disinfection;
- Biosensors and sensing materials as well as Micro- and nanosensor arrays;
- Water and wastewater treatments and and waste valorization;
- Photoelectrocatalysis;
- Electrochemical production of oxidants;
- Electroreduction of CO2, energy storage and hydrogen production;
- Organic, medical and theoretical electrochemistry;
- Integrated diamond technologies with renewable energies.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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