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Preparation and Application of Conductive Materials

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Deadline for manuscript submissions:
20 May 2024

Message from the Guest Editors

Better conductive properties would reduce the cost, heat loss and dimensions of conductors. We kindly invite you to submit manuscripts for this Special Issue entitled "Preparation and Application of Conductive Materials". Original research and critical review articles are all welcome. Papers which describe the recent advances in techniques regarding designing, manufacturing, processing, and characterizing conductive materials a the specific focus on all aspects of applications are also welcome.

The following are topics of interest:
carbon-based conductive materials (graphene, carbon black, graphite, carbon nanotubes); metals, alloys; polymers, composites; thin films, protective barriers and coatings; nanostructuration of conducting materials; protection of conductive materials and prevention of corrosion; destructive and nondestructive testing; detection, imaging and quantitative assessment of structural defects in conductors; material deterioration mechanism; sensors and monitoring technologies of conductive materials.

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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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