Special Issue

Advances in Flame Retardant Materials: Designs, Properties and Applications

Message from the Guest Editor

Scientific research on fire-retardant materials is advancing rapidly, driven by continuous innovation and emerging safety challenges. The scientific community is actively developing novel flame-retardant systems, exploring new molecules, and enhancing synergies between components while deepening the understanding of their mechanisms of action. The increasing adoption of electric mobility, energy storage systems, and other advanced technologies further amplifies the need for effective fire safety solutions. To support this evolving field, the Special Issue “Advances in Flame Retardant Materials: Designs, Properties and Applications” is now open for submissions. As , I invite researchers to contribute original studies on the design and development of innovative flame-retardant materials, performance evaluation, and mechanistic insights. This Special Issue aims to highlight cutting-edge advancements and foster knowledge exchange within the scientific community to address the growing challenges of fire safety.

Guest Editor

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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.

Editor-in-Chief

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