Special Issue

Advanced Flame Retardant Materials

Message from the Guest Editor

Recent disasters caused by the spread of fire in buildings and in transportations remind us of the importance of fire protection. Using flame-retardant materials presents one important element of the firefighting strategy, which aims at preventing fire development and propagation. These materials are used in different applications, such as in textiles, coatings, foams, furniture, and cables. The development of more efficient and environmentally friendly flame-retardant additives is an active multidisciplinary approach that has attracted a great deal of interest. Works aims at the development of new, sustainable, flame-retardant additives/materials, providing high performances and low toxicity. These also concern studying their properties during ageing and recycling, as well as modeling physical and chemical processes taking place before ignition and during their combustion. For more details, please click the following link: http://www.mdpi.com/journal/materials/special_issues/flame_retardant

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2019)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/15766

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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.

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