

Special Issue

Applications of Advanced Glass in Information, Energy and Engineering

Message from the Guest Editors

Advanced glass materials represent a versatile class of inorganic solids that are celebrated for their exceptional optical, thermal, and mechanical properties. The unique ability of glass to be tailored through composition, processing, and nano-structuring has enabled the development of innovative solutions, but challenges such as brittleness, thermal expansion mismatches, or limited electrical conductivity can restrict performance in demanding environments. Consequently, strategies such as controlled crystallization, doping with functional elements, or hybrid material integration are essential to enhance durability, efficiency, and multifunctionality. This Special Issue aims to stimulate discussions on the synthesis, modification, characterization, and practical application of advanced glass materials in the domains of information, energy, and engineering; this is in order to showcase groundbreaking research that promotes technological innovation and addresses real-world challenges.

Guest Editors

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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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