Special Issue

New Insights into Infrastructure Materials

Message from the Guest Editor

This Special Issue aims to discuss the characterization and improved durability of new civil engineering materials. Infrastructure mainly includes transportation, airports, ports, bridges, water conservancy and municipal facilities, etc. As the material basis of infrastructure construction, civil engineering materials have an important influence on the carbon emission, service function, and service behavior of infrastructure during its whole life cycle. There are many kinds of materials, including road engineering materials, green cementitious materials, structural engineering materials, water conservancy engineering materials, railway engineering materials, building functional materials, and so on. Determining how to improve the long-term performance of traditional civil engineering materials has always been the focus of research. This Special Issue provides an excellent opportunity to introduce and publish research results on the preparation process, microscopic mechanism, performance characterization, and modeling methods of new high-performance materials in civil engineering, long-term deterioration mechanism of new materials under complex service conditions.

Guest Editor

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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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