Special Issue

Novel Civil Engineering Materials Integrated with Structures

Message from the Guest Editors

Realize the regulation and optimization of the composition and structure of civil engineering materials, establish a composition-structure–performance relationship in civil engineering materials, explore the damage and fracture of civil engineering materials and the mechanism of strengthening and toughening, evolution law of the whole life cycle performance of civil engineering materials and their mechanical behavior under extreme conditions helps to develop ultra-high-performance and high-durability civil engineering materials. Key research areas of the special issue mainly include:

- Formation, regulation, and control mechanism and method of microstructure of civil engineering materials;
- Composition, structural regulation, optimization theory, and method of civil engineering materials;
- Design and preparation of fiber-reinforced toughening materials;
- Mechanical behavior and performance evolution of civil engineering materials under extreme condition;
- Research, development, and preparation of ultra-high-performance and high-durability civil engineering materials;
- Protection, repair, and strengthening of concrete structures.

Guest Editors

Dr. Chenjie Gong
School of Civil Engineering, Central South University, Changsha 410075, China
Dr. Hao Yao
School of Civil Engineering, Central South University, Changsha 410075, China

Deadline for manuscript submissions

closed (20 January 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/144678

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

About the Journal

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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)