Special Issue

Cement-Based Piezoelectric Composite Materials

Message from the Guest Editors

Cement-based piezoelectric composite materials has recently gained much popularity in both the research and application communities due to many advantages, such as low cost, good interfacial and acoustic matching compatibility with concrete, and good sensing and actuating abilities. However, the properties of this kind of composite are easily influenced by water to cement ratio, polarization technique, moulding process and characteristics, aspect ratio and connectivity of the matrix and piezoelectric components. In addition, its application technique in construction and building engineerings is still a biggest challenge. This Special Issue covers these topics and focuses on the fabrication–property–performance of cement-based piezoelectric composite materials.

Guest Editors

Prof. Dr. Dongyu Xu

School of Materials Science and Engineering, University of Jinan, Jinan 250022, China

Dr. Fei Sha

College of Engineering, Ocean University of China, Qingdao 266100, China

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

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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

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