

Special Issue

Advanced Materials Structures for Sound and Vibration Damping (2nd Edition)

Message from the Guest Editor

Noise and mechanical vibration belong to negative environmental factors in many cases. They can have an adverse effect on human health, accuracy of manufacture, service life of processing equipment and tools, labor protection and so on. For these reasons, it is necessary to eliminate undesirable noise and mechanical vibration by appropriate means.

The aim of this Special Issue is to develop advanced material structures for noise and vibration damping. The articles presented in this Special Issue will cover various topics that have a significant influence on sound absorption and mechanical vibration damping of material structures, ranging from but not limited to manufacturing technologies of materials, composite and multilayer structures, mathematical simulations and experimental investigation of vibroacoustic properties, production efficiency, mechanical properties, and practical applications of advanced material structures, among others. Topics are also open to utilization of different types of recycled materials for these purposes, which can be also beneficial to our environment.

Guest Editor

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Message from the Editorial Board

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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