Topical Collection

Damping Materials

Message from the Collection Editor

Modern structures are increasingly made of lightweight materials due to the well-known social need for energy savings. Despite their superior structural characteristics, lightweight structures exhibit poor vibrational and acoustic isolation levels. Structural integrity and comfort are therefore compromised. In order to maintain comfort and safety levels within acceptable limits, additional damping is necessary in several contemporary applications. This Special Issue will bring together academic and industrial researchers leading the field of mass-efficient, high-damping materials and structures. The Special Issue will comprise high-quality manuscripts presenting a comprehensive range of cutting-edge technologies for damping enhancement strategies. Full papers, communications, as well as reviews are welcome. Assoc. Prof. Dr. Dimitrios Chronopoulos

Collection Editor

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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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