Special Issue

Mechanical Behavior of Dental Materials

Message from the Guest Editor

One of the main requirements of dental materials in service is that mechanical properties are suitable to the task. Dental materials can be classified into several categories according to different clinical purposes, so the requirements for mechanical properties are also different. Therefore, it is necessary to understand the behavior of different dental materials under specific mechanical challenges in the oral environment and know how to optimize it to face the clinical requirement. This Special issue is intended to collect recent advances in the mechanical behavior of dental materials. Research articles, review articles, and short communication concerned with mechanical characterization of novel dental materials, new mechanical testing methods, improvement of mechanical properties, and analytical and modeling studies of dental materials are all welcome.

Guest Editor

Dr. Jingwei He
College of Materials Science and Engineering, South China University of Technology, Guangzhou 510006, 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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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

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