

Special Issue

Orthodontic Materials and Adhesive Interfaces

Message from the Guest Editors

Orthodontics is a specialty of dentistry that studies the diagnosis, prevention, and correction of malpositioned jaws and teeth. Orthodontic fixed therapy moves the patient's teeth, usually with brackets and wires. During orthodontic treatment, bonding between the bracket and the enamel has to be strong enough to withstand masticatory stresses and shear forces. Bracket failure is a common problem in orthodontics that is disturbing for both the clinicians and patients. Moreover, bond failures can influence treatment duration, total costs, and chair time. Unwanted bracket detachment can be due to bracket base characteristics, masticatory forces, bonding technique, or enamel contamination. As the current technologic improvements face clinicians with new materials and techniques, adhesive properties should be continuously studied and tested. In vivo and in vitro investigations could help orthodontists to increase their knowledge about material behaviour. *Materials* is preparing a Special Issue focused on Orthodontic Materials and Adhesive Interfaces.

Guest Editors

Dr. Maria Francesca Sfondrini

Unit of Orthodontics and Paediatric Dentistry, Section of Dentistry,
Department of Clinical, Surgical, Diagnostic and Paediatric Sciences,
University of Pavia, 27100 Pavia, Italy

Prof. Dr. Andrea Scribante

Unit of Orthodontics and Paediatric Dentistry, Section of Dentistry,
Department of Clinical, Surgical, Diagnostic and Paediatric Sciences,
University of Pavia, 27100 Pavia, Italy

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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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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.

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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