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.

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Message from the Editor-in-Chief

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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