Special Issue

Latest Research on Advanced Materials and Technologies in Orthodontics

Message from the Guest Editors

Advances in technologies related to the development and application of artificial intelligence (AI) in the medical field have resulted in a paradigm shift. AI is a powerful tool, and its applications can support diagnoses, treatments, and decision making, as well as significantly impact treatment outcomes. Applying AI technologies in dentistry—more specifically, orthodontics—is revolutionary, but still in the early stages. AI applications in orthodontics include identifying cephalometric landmarks and improving diagnostic accuracy, helping clinicians select the best treatment approach, and isolating sleep conditions by monitoring mandibular movement. The evidence in recent studies has shown promising results. However, this area warrants further research to fully optimize AI's ability to enhance the orthodontic field. This Special Issue aims to provide insight into current advances in AI technologies, materials, and their applications in orthodontics. We are pleased to invite you to submit your work for consideration in this important issue. Before submission, please carefully review the journal's "Author Guidelines."

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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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