Special Issue

Hyperbranched Macromolecular Architectures: From Design to Applications

Message from the Guest Editor

The last three decades of intense research in the field of hyperbranched polymers rendered an innovative, "topological" course in the development of various macromolecular architectures and enabled an exponential evolution towards increasingly complex structures with highly diverse, intricate functional roles. Therefore, this Special Issue of *Materials* is dedicated to the field of hyperbranched macromolecular architectures and intends to collect original, high-quality research covering state-of-the-art topics in this broad area of research. It is our pleasure to invite you to contribute full papers, communications, and reviews dealing with innovations, challenges, and perspectives concerning the design, preparation, structure-property insights, and applications of hyperbranched macromolecules and materials based on them.

Keywords

- hyperbranched polymers
- macromolecular architectures
- macromolecular design and synthesis
- polymer applications
- topology of macromolecules

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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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