Special Issue

Growth and Application of Foam-Based Materials

Message from the Guest Editor

As a specific type of complex stochastic systems, foamed substances exhibit a variety of amazing features in the course of formation, growth, and degradation. Despite more than a century of research activity in the field of foam physics, interest in researching the fundamental properties of various foamy systems continues to be high. This is particularly due to the wide applications of foams substances in various areas of modern technologies, from the construction industry to regenerative medicine and tissue engineering. Moreover, these application areas continuously expand, resulting, for instance, in the creation of novel functional materials with the unique properties. In this Special Issue, fundamental processes in foams at the microscopic and macroscopic scales, foam structure stabilization and related problems, and modern foam-based technologies and materials are highlighted and discussed. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/40471

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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.

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