Special Issue

Spontaneous Self-Assembly of Spatially Ordered Structures

Message from the Guest Editor

Spontaneous self-assembly can serve as a tool for fabricating highly ordered, often intriguing structures, which can be applicable for potential applications, e.g., optical and electronic devices. In general, self-assembly includes numerous processes, from the non-covalent association of organic molecules, colloids, and nanoparticles in solution to the growth of semiconductor quantum dots on solid substrates, making it an essential part of micro- and nanofabrication technology. With a precise focus on spontaneous structure or pattern formation, an intensive study of distinct components and systems is possible. Accordingly, this Special Issue eagerly seeks to showcase research papers, short communications, research perspective articles, and review articles that promisingly provide technical improvements in spontaneous self-assembly of spatially ordered structures. It is my great pleasure to cordially invite you to submit a manuscript for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

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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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