Special Issue

Synthesis and Applications of Hybrid Material

Message from the Guest Editors

Organic–inorganic hybrids are attractive materials due to their versatility, which originates from the combination of their inorganic properties and their organic constituents. The combination of inorganic and organic parts in hybrid materials allows one to associate an important variety of innovative properties, which can be used in a wide variety of applications, such as catalysis, coatings, optical properties, biomaterials, and separation processes. Controlling the nanostructure, composition, and morphology of hybrid materials is of great interest for such properties. The bottom–up molecular and supramolecular approach, which includes templating, self-assembling, and post-synthetic modification methodologies, allow designing nanostructured and hierarchical hybrid materials. This Special Issue aims to explore recent advances in the development of hybrid materials that contribute to breakthroughs in different application domains. Strategies for, but not limited to, the construction of advanced ordered nanomaterials, such as molecular or supramolecular chemistry approaches are encouraged for submission.

Guest Editors

Dr. Guilhem Arrachart
ICSM, Univ Montpellier, CEA, CNRS, ENSCM, France

Dr. Johan Alauzun
ICGM, Univ Montpellier, CNRS, ENSCM, France

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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