Special Issue

Advances in Pillared Clays and Similar Materials: Synthesis, Characterization and Applications

Message from the Guest Editors

Since the first works introducing the aluminum intercalated clay family in the early 1970s, interest in the synthesis of Pillared InterLayered Clays (PILCs) has increased tremendously, especially research into the properties and energetic and environmental applications. After our comprehensive reviews and book on the synthesis and catalytic applications of these materials, new references have appeared in the literature and the interest in this field is continuously increasing. The aim of this Special Issue is to collect the recent advances developed considering this family of solids. Contributions on similar materials, as intercalated clays, clay-based nanocomposites or intercalated hydrotalcites, are welcome. Prof. Dr. Antonio Gil

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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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