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Synthesis, Characterization and Application of Silicon Nanomaterials

Guest Editor:

Dr. Bin Song

Suzhou Key Laboratory of Nanotechnology and Biomedicine, Institute of Functional Nano and Soft Materials (FUNSOM), Jiangsu Key Laboratory for Carbon-Based Functional Materials and Devices, Soochow University, Suzhou, Jiangsu, China

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Message from the Guest Editor

Dear Colleagues,

In the last decade, we have witnessed massive achievements in the field of silicon nanomaterials. Among them, optical silicon nanomaterials have attracted considerable attention owing to their unique advantages, including strong fluorescence/phosphorescence coupled with robust photostability, rich resource support, low cost, industrial maturity, and good biocompatibility. Extensive efforts have been devoted to developing effective methods for the synthesis and characterization of optical silicon nanomaterials with different nanostructures, facilitating the promotion of this promising material for myriad optical applications. This Special Issue covers new methodologies to synthesize and characterize optical silicon nanomaterials. Attention is devoted to the most promising applications of these systems in the fields of bioimaging, sensing and energy conversion.

Dr. Bin Song
Guest Editor



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Special Issue



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Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

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Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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