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Physical Properties of Nanostructured Materials and Related Opto-/Electronic Devices

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Deadline for manuscript submissions:

closed (10 August 2022)

Message from the Guest Editors

Dear Colleagues,

Nanostructured materials have attracted significant attention owing to their unique optical, electrical, and mechanical features. The research community has been focusing on obtaining in-depth insights on the physical properties and transforming advances into the design of diverse device applications, particularly opto-/electronics, in solving practical problems that traditional materials cannot address.

This Special Issue entitled “Physical Properties of Nanostructured Materials and Related Opto-/electronic Devices” attempts to consolidate recent developments and investigations in the area of nanostructured materials with emphasis placed on their fundamental physical properties, as well as their application in various opto-/electronics, such as photovoltaic cells, photodetectors, light-emitting devices, (photo-)transistors, memory, photocatalysis, thermoelectric devices, and so on. The issue will collate reviews and progress reports that discuss the past, present, and future of opto-/electronic technologies enabled by nanostructured materials along with original papers and communications on experimental and modeling works.

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mdpi.com/si/97680

Special Issue



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Message from the Editor-in-Chief

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