



nanomaterials



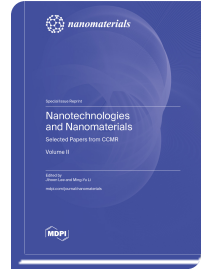
Special Issue Reprint

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The aim of this reprint is to exhibit new-generation nanomaterial-based devices, offering scientific perspectives on the relationship between the tunable properties of nanomaterials and diverse applications. Over the past few decades, nanotechnologies for the synthesis, processing, and fabrication of low-dimensional materials have been regarded as saviors to meet the ever-growing demands for high-performance devices with significantly smaller dimensions owing to the electromagnetic confinement effect and dimensional carrier transportation behavior of the fabricating nanomaterials. We will attempt to pave the way to lift the mystery veil of nanotechnologies and nanomaterials for readers and explore broadly possible applications, such as the Internet of Things, energy conversion, intelligent sensing, and even biomimetics.



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