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Recent Advances in Nanoelectronics for Energy Conversion, Storage, and Saving

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Message from the Guest Editors

In order to meet the future global energy needs in a sustainable manner, it is important to improve the methods of energy production, storage, and saving. In our days, the development of new materials and device architectures allowing a low-cost, efficient, and stable energy management is undoubtfully of the utmost importance. This Special Issue is designed to provide a platform for sharing discussions on the most recent advances, remaining challenges, and frontiers in energy management by nanoelectronics. Specific topics of interest include, but are not limited to: (a) energy conversion by next-generation and emerging photovoltaic technologies and nanogenerators, (b) energy storage by advanced nanostructured systems, including supercapacitor, battery, and fuel cell technologies, and (c) intelligent energy saving by smart technologies, such as energy-efficient windows (electrochromics), smart lighting, etc. High-quality original papers, short communications, and review articles are welcome.

Deadline for manuscript submissions:
closed (30 April 2022)

mdpi.com/si/63773

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Message from the Editor-in-Chief

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