

Special Issue

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

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 undoubtedly 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.

Guest Editors

Prof. Dr. Elias Stathatos

Prof. Dr. Emmanuel Kymakis

Dr. Dimitris A. Chalkias

Deadline for manuscript submissions

closed (30 April 2022)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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