

Special Issue

Role of Heterojunction in Photovoltaic Devices

Message from the Guest Editor

Heterojunction-based photovoltaic devices are a type of solar cell that relies on the interface between two different semiconducting materials to convert sunlight into electricity. The junction between these materials creates a built-in electric field that separates the photo-generated carriers and facilitates their collection at the respective electrodes. Heterojunction-based solar cells can achieve higher efficiencies compared to homojunction solar cells due to their ability to collect photo-generated carriers from a wider range of the solar spectrum. These photovoltaic devices have found applications in both traditional flat-plate solar panels and in emerging technologies such as perovskite and organic photovoltaics. Ongoing research is focused on improving the efficiency and stability of these devices, as well as reducing their manufacturing costs to make them more competitive with traditional energy sources. The purpose of this Special Issue is to solicit original contributions and publish recent advances in heterojunction-based photovoltaic devices.

Guest Editor

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Message from the Editor-in-Chief

Solar is a new international, open access journal for solar technologies. Climate change is real! Therefore, fast and wide-spread application of solar technologies is of utmost importance. Consequently, *Solar* aims to publish articles which make a real, influential, and often cited contribution not only to basic research and development, but also to the application of photovoltaics as well as to solar thermal conversion. In addition, articles discussing the politics, economy, environmental, and social issues of solar technologies are also welcome. We encourage authors to submit high-quality original articles, letters, and review articles. Our editorial and technical team guarantees a high-quality, fast reviewing process, fast publication, and promotion. With your articles, our journal will rank among the best soon!

Editor-in-Chief

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