Special Issue

Recent Advances in Perovskite Optoelectronics: From Materials to Devices

Message from the Guest Editor

Photovoltaic technologies have been intensively pursued as a result of the high global demand of clean renewable energy. Hybrid perovskites/silicon tandem cells have recently attracted enormous attention for photovoltaic applications with a certificated power conversion efficiency of 31.3%, owing to their superior physical properties such as long diffusion length, low trap density, suitable band gap and high light absorption. Various strategies from material synthesis to cell package have been developed to enhance the performance and the stability. In this Special Issue, we wish to cover the most recent developments in perovskite optoelectronic devices towards high performance, high stability, and environmental sustainability.

Guest Editor

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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