Special Issue

Organic Light Emitting Diodes (OLEDs)

Message from the Guest Editors

Organic light-emitting diodes (OLEDs) have been used as displays for smartphones, televisions, cars, watches, and panels for lightings. Over the past three decades, the research and development of OLED-related materials and processing has remained a hot topic in academia and industrial communities. The present Special Issue intends to highlight the results of experimental and theoretical investigations on the emerging organic light-emitting materials and devices, with an extension to organic/inorganic hybrid ones, such as quantum dots and perovskite families. This issue mainly covers light generation mechanisms based on the structure–property relationships. Broad aspects of this topic will be compiled, such as the synthesis of new materials, morphological control, photophysical characterization, thin-film growth, optical manipulation, and device engineering. Original manuscripts (full-length articles or reviews), pointing out results from experimental and theoretical investigations, with reference to emerging materials and devices for electricity-to-light conversion, are all welcome.

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