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Advanced Organic Photoelectric Functional Materials

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Message from the Guest Editor

Dear Colleagues,

The development of advanced organic optoelectronic functional materials has attracted a significant amount of attention, conferring various applications, including organic light-emitting diodes (OLEDs), organic photovoltaics (OPVs), organic field-effect transistors (OFETs), etc, due to their exceptional electrical and optical properties. Following decades of important developments in the field, high-performance OLEDs with external quantum efficiency (EQE) up to 40%, OPVs with >19% power conversion efficiency (PCE), organic lasers with tunable emission colors, and chemical and biosensors with superb penetration depth and high signal-to-noise ratio have been realized on the basis of optoelectronic functional materials with rationally modulated optoelectronic properties.

This Special Issue will compile recent developments in the field of advanced organic optoelectronic functional materials. The articles presented in this Special Issue will cover various topics, ranging from the design and characterization of organic optoelectronic functional materials to advanced optoelectronic applications in the fields of OLEDs, OPVs, OFETs and organic lasers, etc.



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Special Issue



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Message from the Editor-in-Chief

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