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Advances in Organic Semiconductors

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Organic semiconductors were identified in the late 1940s, and semiconductors, which are based on small organic molecules and conjugated polymers, have been intensely investigated since the late 1980s. The performance of organic semiconductors has improved continuously over the last 30 years, and OLEDs (organic light-emitting diodes) have now successfully launched on the display market. They possess two key advantages over devices fabricated from inorganic semiconductors: mechanical flexibility and stretchability, and low manufacturing costs. This Special Issue, "Advances in Organic Semiconductors", will cover the state of the art and key challenges in the field of organic semiconductors, with a particular focus on molecular structure; design and synthesis; novel device and molecular doping physics; for mechanical flexibility/stretchability and photo-related applications.









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Editor-in-Chief

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Message from the Editor-in-Chief

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