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Polymer Solar Cells

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Deadline for manuscript
submissions:

closed (25 November 2017)

Message from the Guest Editor

Polymer solar cells have been considered as an attractive and promising approach to solve energy and environment issues, due to their light-weight, low-cost, flexibility, rapid energy payback time, and high-throughput roll-to-roll manufacturing. Remarkable progress has been achieved in recent years, such as benefits from the innovation of donor and acceptor materials, design of new device architectures, optimization of the photoactive layer morphology, interface engineering between the active layer and electrodes, and power conversion efficiency has been pushed beyond 12%. This Special Issue on “Polymer Solar Cells” aims to reflect the state-of-the-art topics and progress in the design and synthesis of novel organic electron donor and acceptor materials, photoactive layer morphology controlling, electrodes modification, device photophysics and characterization, the design and fabrication of novel device architectures, etc. Contributions of experimental work, computational work, or combinations of the two, are welcome, and your contribution to this Special Issue will be greatly appreciated.



mdpi.com/si/9539

Special Issue



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Message from the Editor-in-Chief

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