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Printed Organic Electronics—Solution Processable Polymers and Interlayers

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Message from the Guest Editors

The possibility of printing organic electronic devices has been a driving force for the intensive research on organic electronics; nevertheless, it still remains as an unfulfilled promise. In spite of tremendous progress in the synthesis of new soluble and high-performance semiconducting polymers, the technology of printing electronics cannot overcome the laboratory scale.

In our opinion, in addition to solution processable polymers and polymer blends and composites (semiconductors, conductors, dielectrics, insulators, etc), the second class of components crucial for the development of printed organic electronics is different interlayers. Of high importance are both active interlayers, like electron or hole injection or blocking layers, and passive layers, like barrier materials or interlayers protecting the deposited active layer and allowing to print the next active layer.

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