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Full Paper

Oxidative Polymerization of Terthiophene and Substituted Thiophene Monomer in Metal-Organic Framework Thin Films[a]

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Films consisting of surface-anchored metal-organic frameworks (SURMOFs) which are prepared by layer-by-layer deposition techniques can be used as highly oriented crystalline template structures for oligomerization processes. Herein, SURMOF films of Zn(bdc) (**1**) and, Cu(bpdc) (**2**) were prepared, which consist of lamellar ordered 2D MOF sheets forming 1D channels as the host structures for oligomerization of terthiophene (Tth) and, 3,4-ethylenedioxythiophene (EDOT), respectively. After SURMOF preparation, the pores were

[a] **Supporting Information** is available online.
[b] R. Haldar and B. Sen contributed equally to this work.