Supporting information

Crystal packing for complex 3 determined by single crystal X-ray diffraction.

Output characteristics ($I_{DS}$ versus $V_{DS}$ at different $V_{GS}$) for the electrostatically aligned films of complex 1, whereas the gate voltage was increased in steps of 10 V.
Output characteristics ($I_{DS}$ versus $V_{GS}$ at different $V_{DS}$) for the electrostatically aligned films of complex 2, whereas the gate voltage was increased in steps of 10 V.

SEM image for the film of electrostatically aligned films of complex 2.

SEM image for the film of electrostatically aligned films of complex 1.
The EL spectrum for the device with complex 3.