

Supplementary Material (ESI) for Dalton Transactions

Photo- and Electroluminescence in Thin Films of Covalently Bonded Azomethin-Zinc/SiO₂ Hybrid Materials

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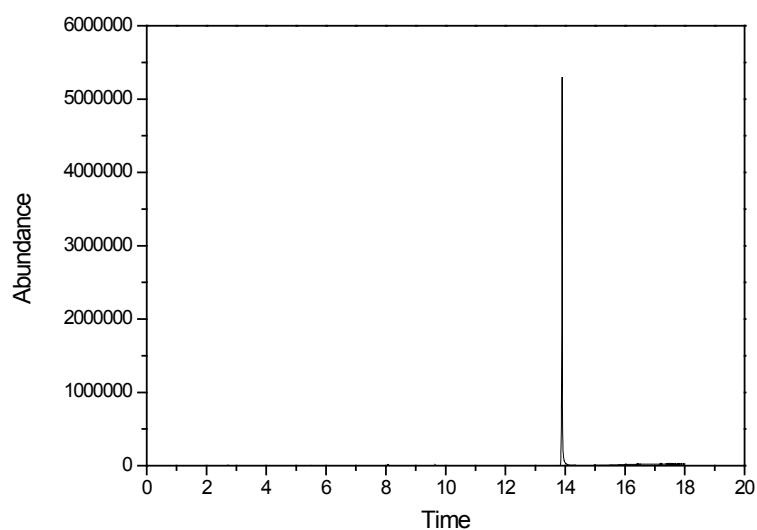


Figure S1. The GC spectra of reaction solution

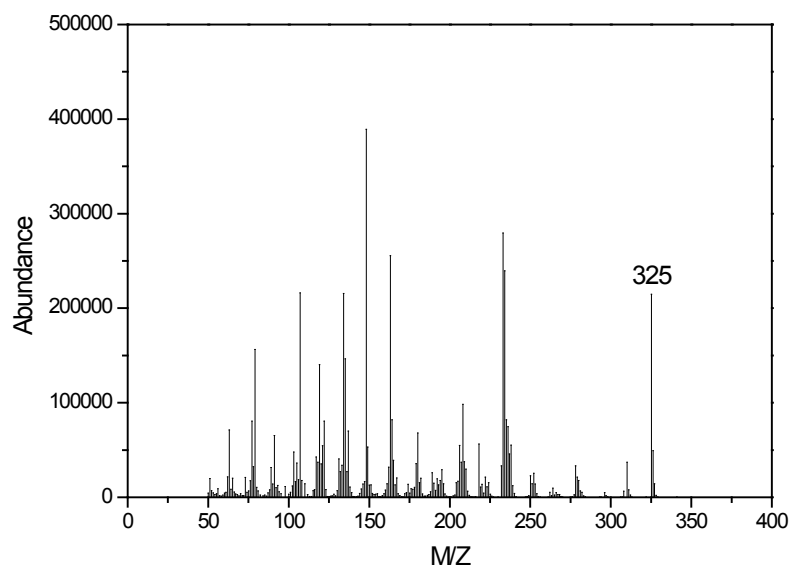


Figure S2. The mass spectra of SiAM

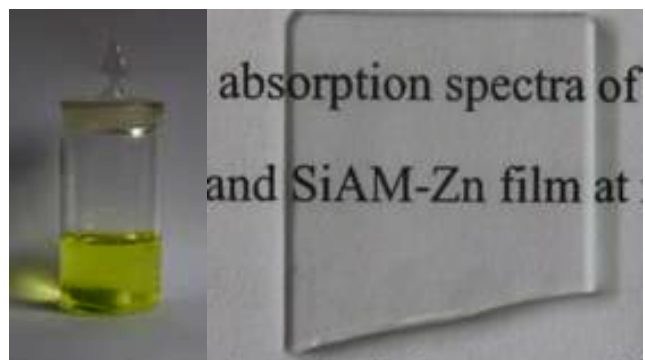


Figure S3. The photo image of the solution and the spin-coated film of SiAM-Zn.

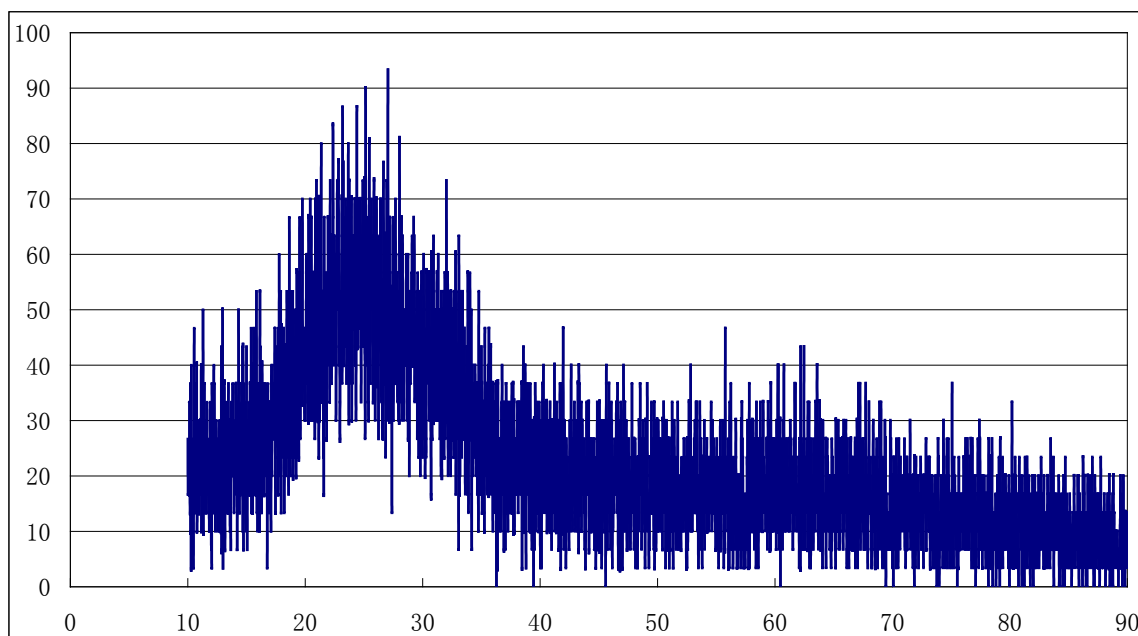


Figure S4. X-ray diffraction pattern of the hybrid film of SiAM-Zn.

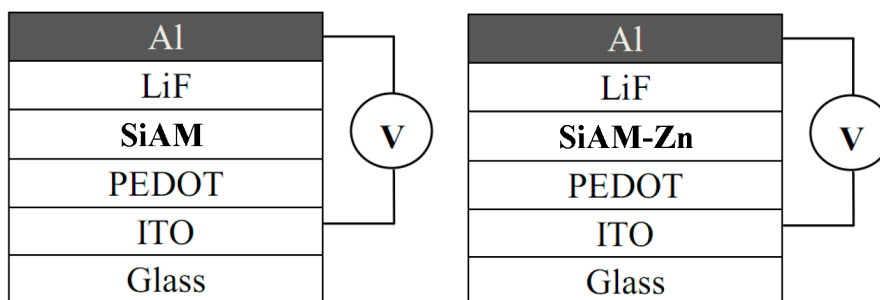


Figure S5. Schematic drawings of OLEDs.

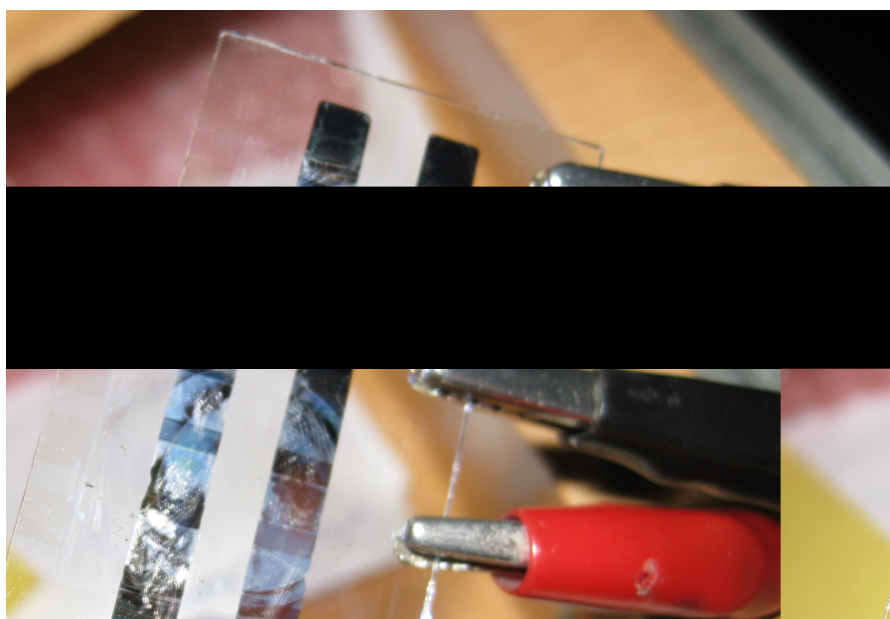


Figure S6. The OLED device with SiAM-Zn as LEL in electroluminescent emission measurement.

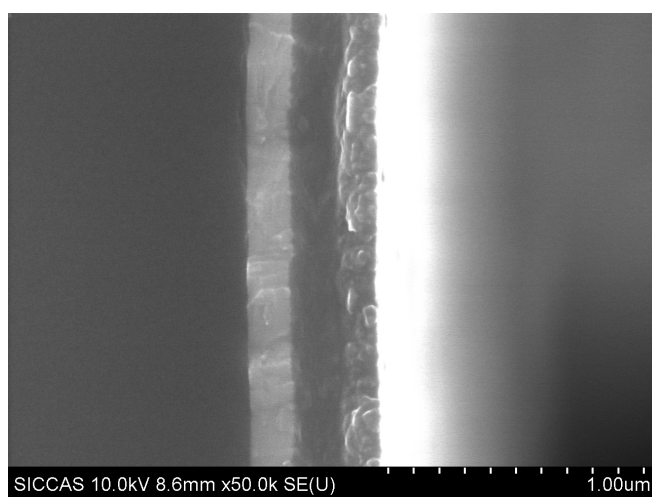


Figure S7. Sectional SEM image of the OLED device.

Table S1. Electroluminous intensity vs voltage and current with SiAM-Zn as LEL.

Voltage (V)	8	10	12	14	16	18	20
Current (mA)	0.29	0.86	2.5	5.4	11	20	38
Luminous Intensity (Cd/m ²)	0.075	0.327	0.585	0.737	1.287	1.979	2.539

Table S2. Voltage vs current with SiAM as LEL.

Voltage (V)	10	12	14	16	18	20
Current (mA)	0.18	0.19	0.26	0.35	0.45	0.55