Supplementary Information

Solution Processeable Organic-Inorganic Hybrids Based on Pyrene Functionalized Mixed Cubic Silsesquioxanes as Emitters in OLEDs

Xiao Hui Yang¹, Tommaso Giovenzana², Brian Feild³, Ghassan E. Jabbour*¹, and Alan Sellinger*²

¹. Solar and Alternative Energy Engineering Research Center, King Abdullah University of Science and Technology (KAUST), Thuwal 23955-6900, Kingdom of Saudi Arabia.
². Department of Materials Science and Engineering, Stanford University, Stanford, CA, 94305-4045.
³. Shimadzu Scientific Instruments, 7102 Riverwood Drive, Columbia, MD 21046.

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Figures.

Figure S1. Photo Electron Spectroscopy in Air (PESA) for OVS (glass substrate, light intensity 30.8 nW, power number 0.3)
Figure S2. Photo Electron Spectroscopy in Air (PESA) for MVS. (glass substrate, light intensity 80.7 nW, power number 0.3)

Figure S3. Photo Electron Spectroscopy in Air (PESA) for MixVS (glass substrate, light intensity 30.8 nW, power number 0.3)
Figure S4. DSC of the a) OVS, b) MVS, c) MixVS (second cycle, rate flow 10 °C/min)
Figure S5. GPC of OVS, MVS and MixVS (black, red and blue respectively)
Figure S6. TGA of a) OVS, b) MVS, c) MixVS
Figure S7. UV-Vis absorption spectra for OVS, MVS and MixVS (black, red and blue respectively). Concentrations used were $5.03 \times 10^{-6}$, $1.01 \times 10^{-5}$ M and $4.75 \times 10^{-6}$ M in CH$_2$Cl$_2$ respectively.

Figure S8. UV-Vis absorption spectra on thin films for OVS, MVS and MixVS (black, red and blue respectively). Normalized data.
Figure S9. Photoluminescence (PL) spectra for OVS, MVS and MixVS in toluene solutions (black, red and blue respectively), and on thin films (green, pink and orange respectively). Normalized data.
Figure S10. MALDI spectrum for OVS
Figure S11. MALDI spectrum for MVS