

Supporting Information

**Conductive Casting Films Based on an Octasilicate-Core
Dendrimer Containing the Mixed-Valence State TCNQ on
the Periphery**

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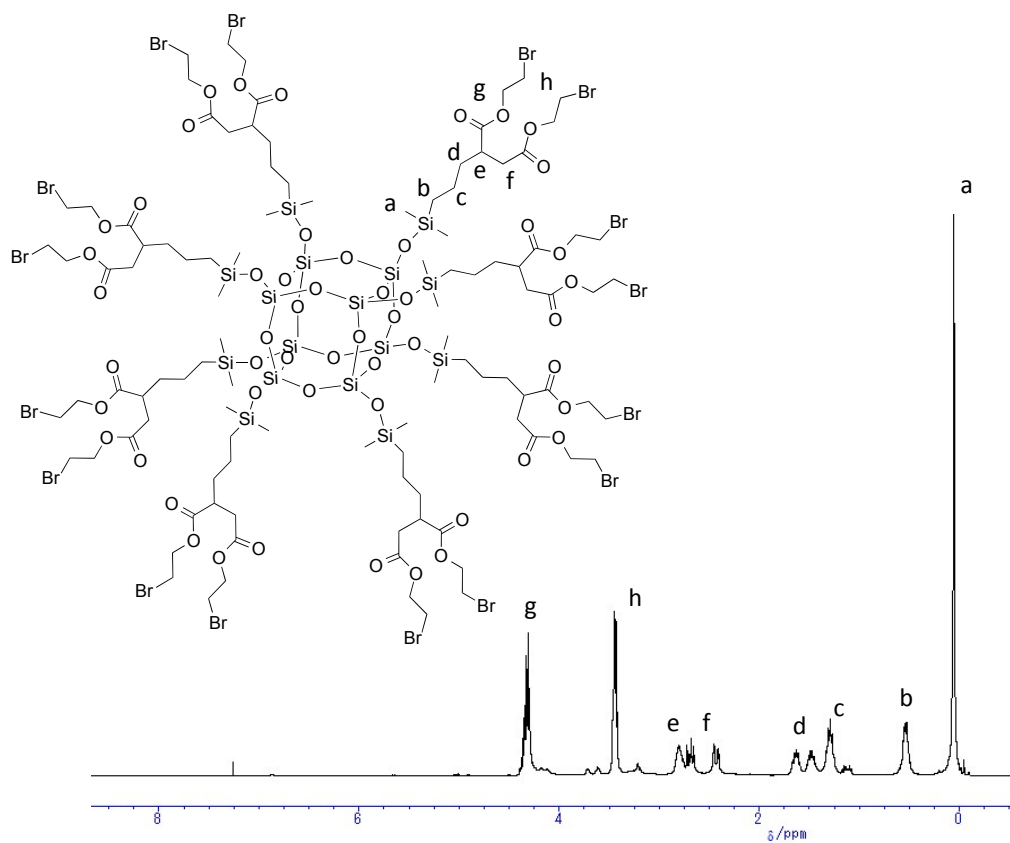


Figure S1 ^1H -NMR spectrum of OS-Br in CDCl_3

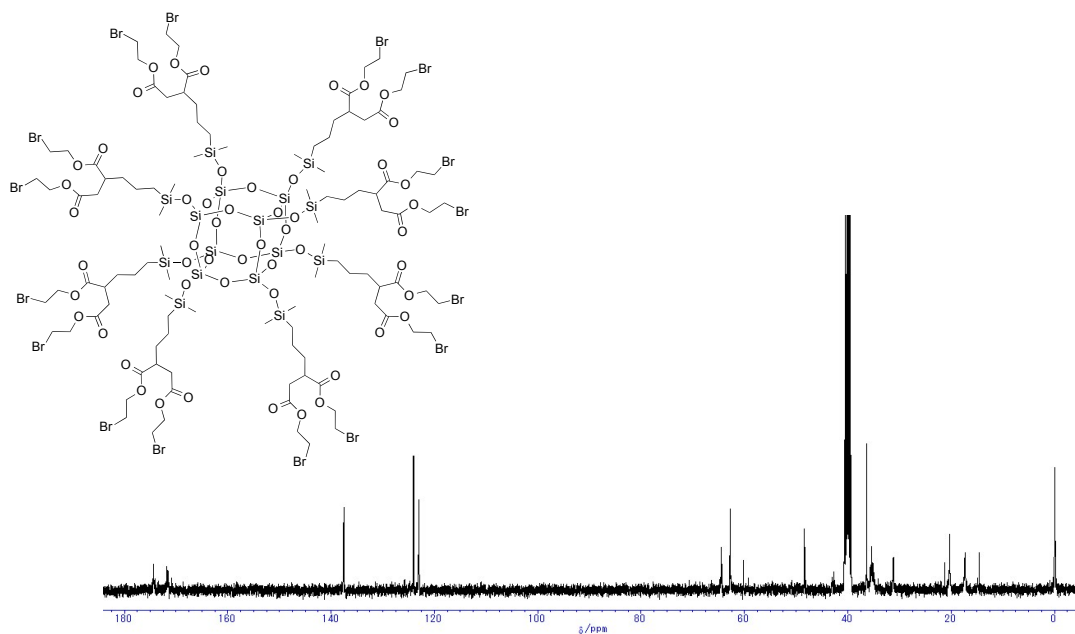


Figure S2 ^{13}C -NMR spectrum of OS-Br in CDCl_3

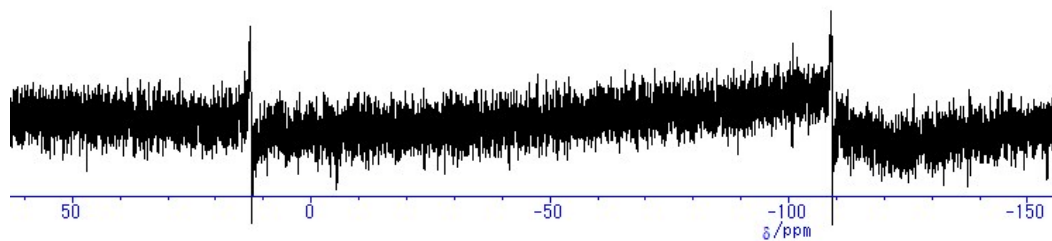


Figure S3 ^{29}Si -NMR spectrum of OS-Br in CDCl_3

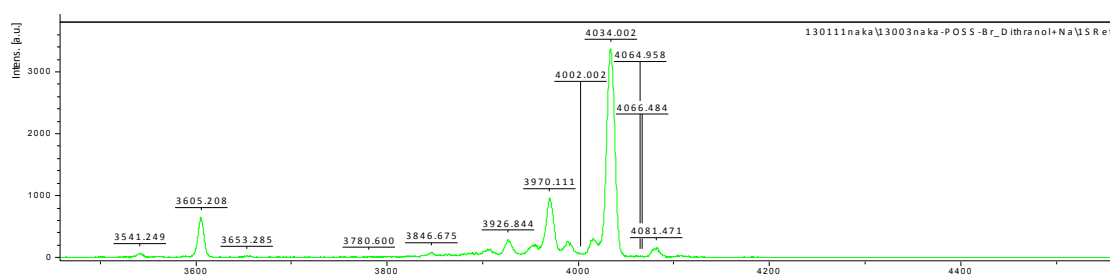


Figure S4 MALDI TOF-MS spectrum of OS-Br.

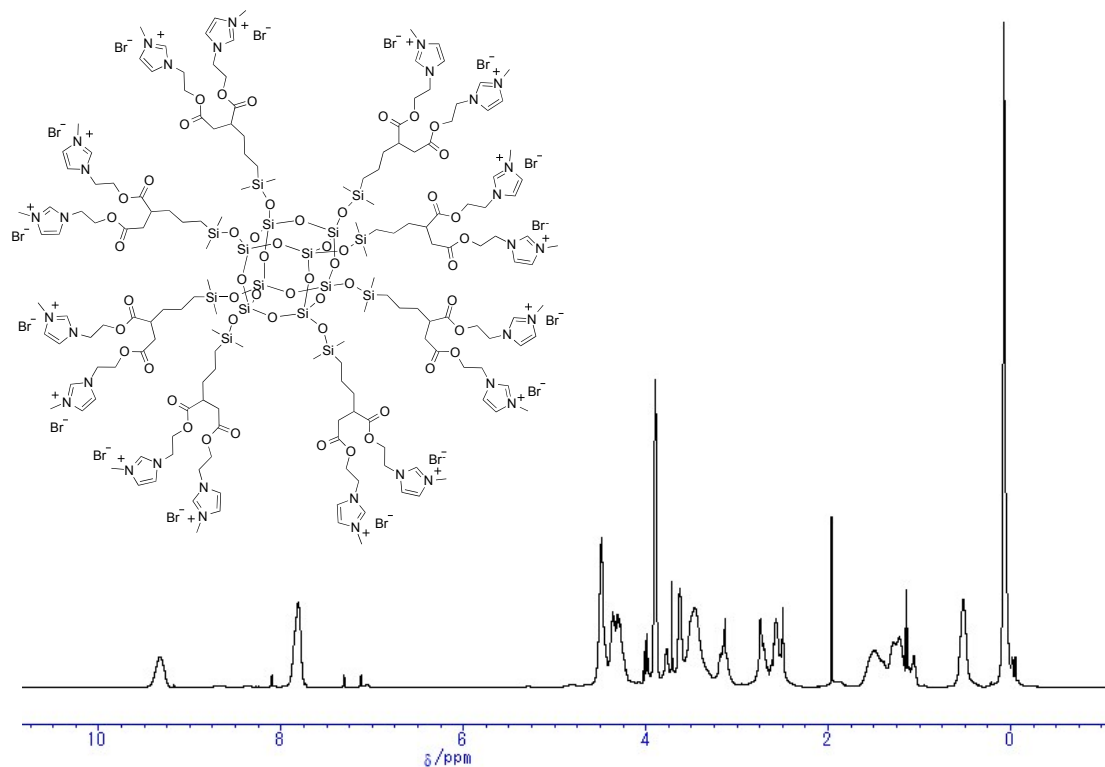


Figure S5 ^1H -NMR spectrum of OS-mimBr in $\text{DMSO}-d_6$

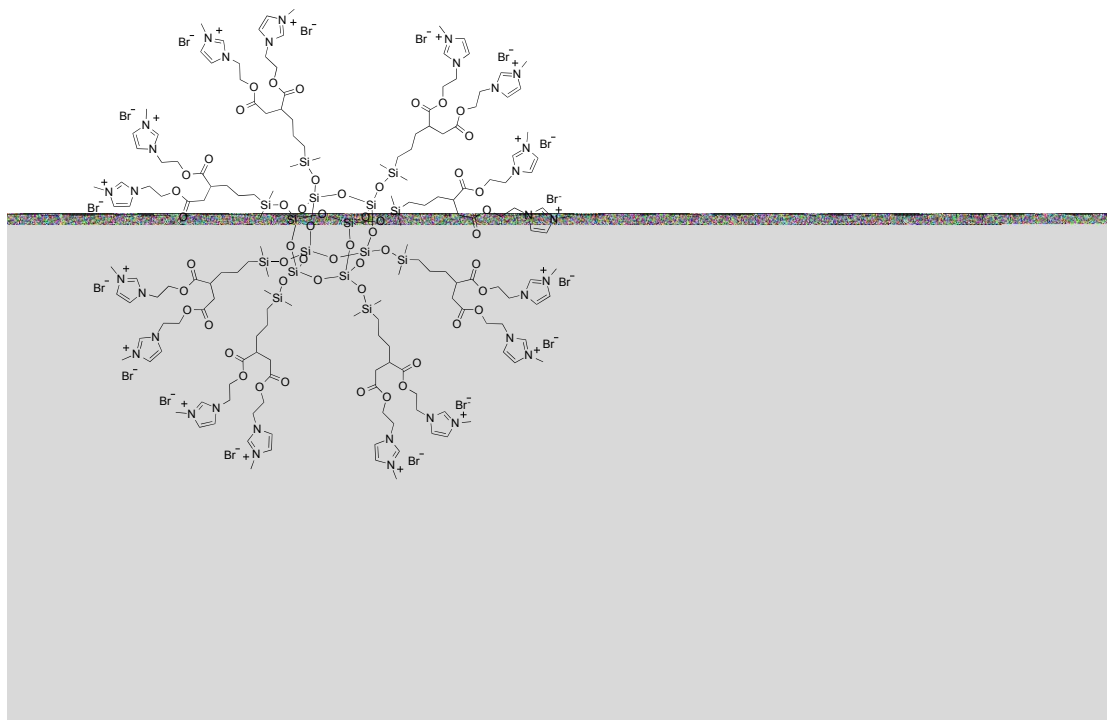


Figure S6 ^{13}C -NMR spectrum of OS-mimBr in $\text{DMSO-}d_6$

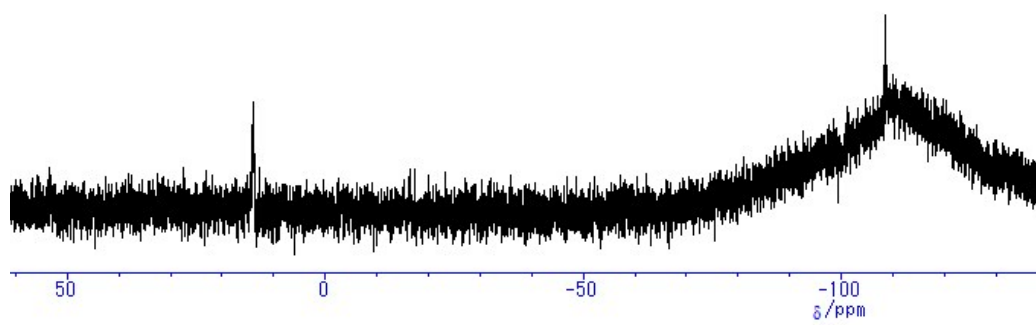


Figure S7 ^{29}Si -NMR spectrum of OS-mimBr in $\text{DMSO-}d_6$

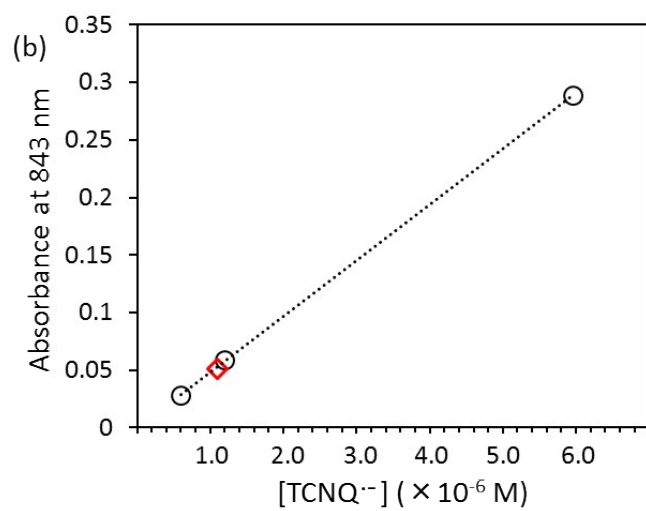
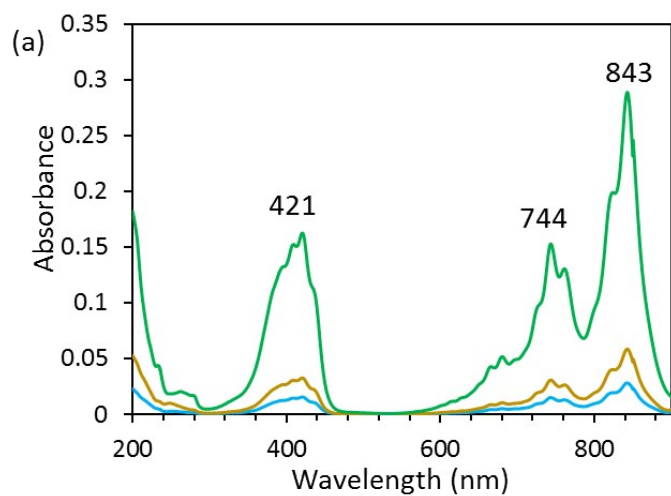


Figure S8. (a) UV-vis spectra of **PmimTCNQ** (5.95×10^{-7} M; blue, 1.19×10^{-6} M; yellow, 5.95×10^{-6} M; green) in CHCl_3 , (b) the calibration curve using absorbance of **PmimTCNQ** at 843 nm (○) and the absorbance of prepared **OS-mimTCNQ** at 843 nm (◇).

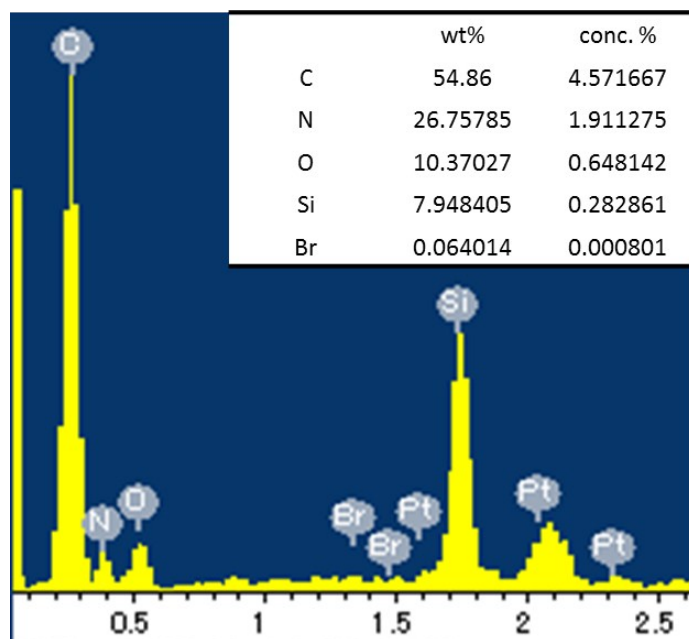


Figure S9. EDX analysis of OS-mimTCNQ.

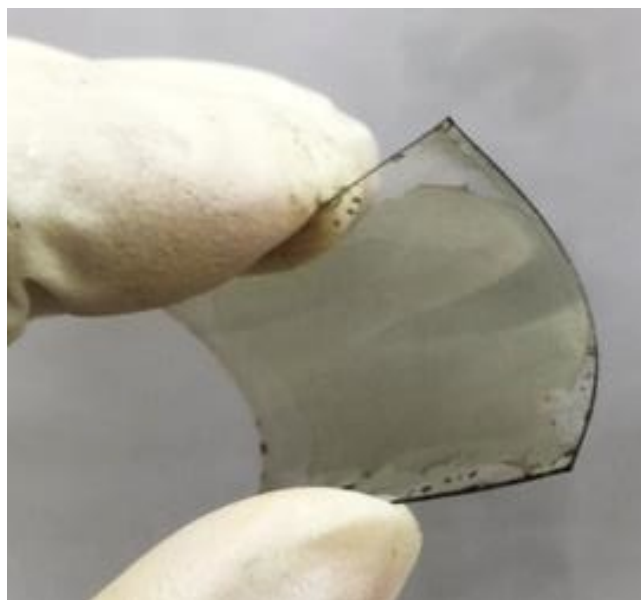


Figure S10. Photograph of OS-CT_{1.0} on a polyvinyl chloride film.

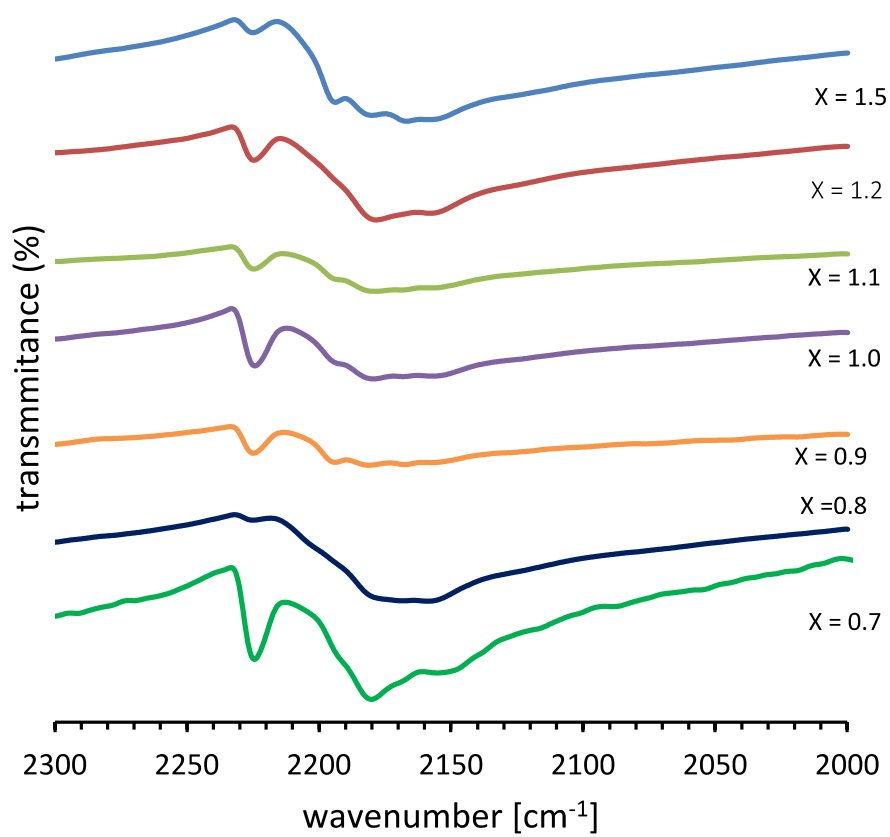


Figure S11. FT-IR spectra of OS-CT_x (X = 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, and 1.5).

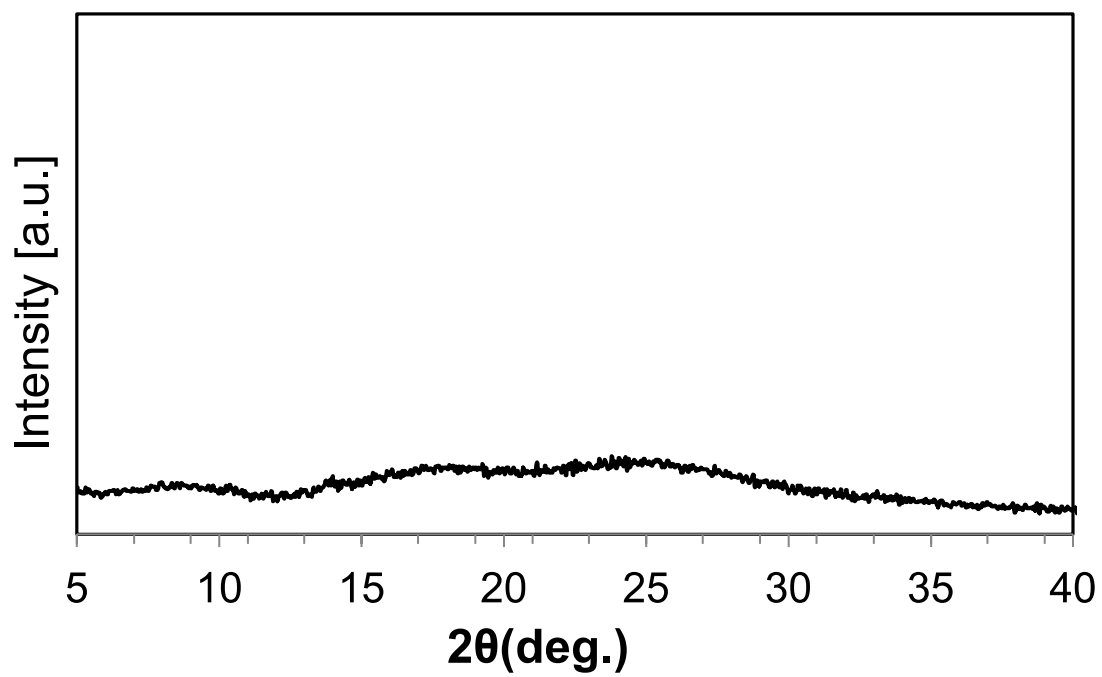


Figure S12. XRD pattern of OS-mimTCNQ.