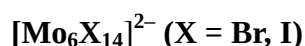


Supplementary material (ESI) for Journal of Materials Chemistry

This journal is © The Royal Society of Chemistry 2012

Electronic Supplementary Information (ESI†)

Synthesis and Properties of Charge-Transfer Solids with Cluster Units



Gunzi Saito,^{a,b,c} Hidemasa Hosoda,^c Yukihiro Yoshida,^{a,b,c} Jun Hagiwara,^c

Kazukuni Nishimura,^c Hideki Yamochi,^d Akihiro Otsuka,^d

Takaaki Hiramatsu,^{a,d} Yuichi Shimazaki,^e Kaplan Kirakci,^f

Stéphane Cordier,^f and Christiane Perrin^f

^a *Faculty of Agriculture, Meijo University, Shiogamaguchi 1-501 Tempaku-ku, Nagoya 468-8502, Japan*

^b *Research Institute, Meijo University, Shiogamaguchi 1-501 Tempaku-ku, Nagoya 468-8502, Japan*

^c *Division of Chemistry, Graduate School of Science, Kyoto University, Oiwake-cho, Kitashirakawa, Sakyo-ku, Kyoto, 606-8502, Japan*

^d *Research Center for Low Temperature and Materials Sciences, Kyoto University, Yoshida-Honmachi, Sakyo-ku, Kyoto, 606-8501, Japan*

^e *College of Science, Ibaraki University, Bunkyo, Mito, 310-8512, Japan*

^f *Institut des Sciences Chimique de Rennes, UMR CNRS 6226, Université de Rennes 1, Avenue du Général Leclerc, 35042 Rennes cedex, France*

Supplementary material (ESI) for Journal of Materials Chemistry

This journal is © The Royal Society of Chemistry 2012

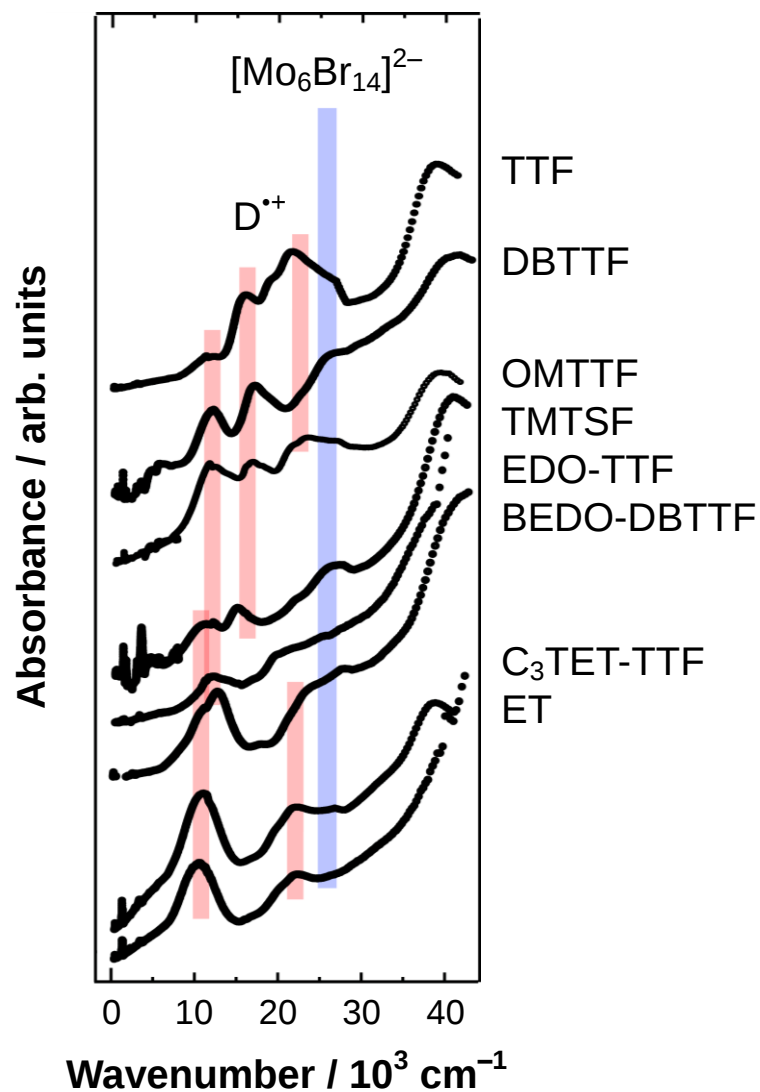


Figure S1 UV-Vis-NIR spectra of polycrystalline $\text{Mo}_6\text{Br}_{14}$ complexes described in section 3.6. Red and blue thick lines indicate the absorption bands of donor cations and $[\text{Mo}_6\text{Br}_{14}]^{2-}$, respectively.