

**Supporting Information**

# Chemistry Letters

## Monitoring of Photochemical Self-assembly of $[\text{Mo}_7\text{O}_{24}]^{6-}$ to $\{\text{Mo}_{142}\}$ -blue Nano-ring by Using Mo K-edge XAFS

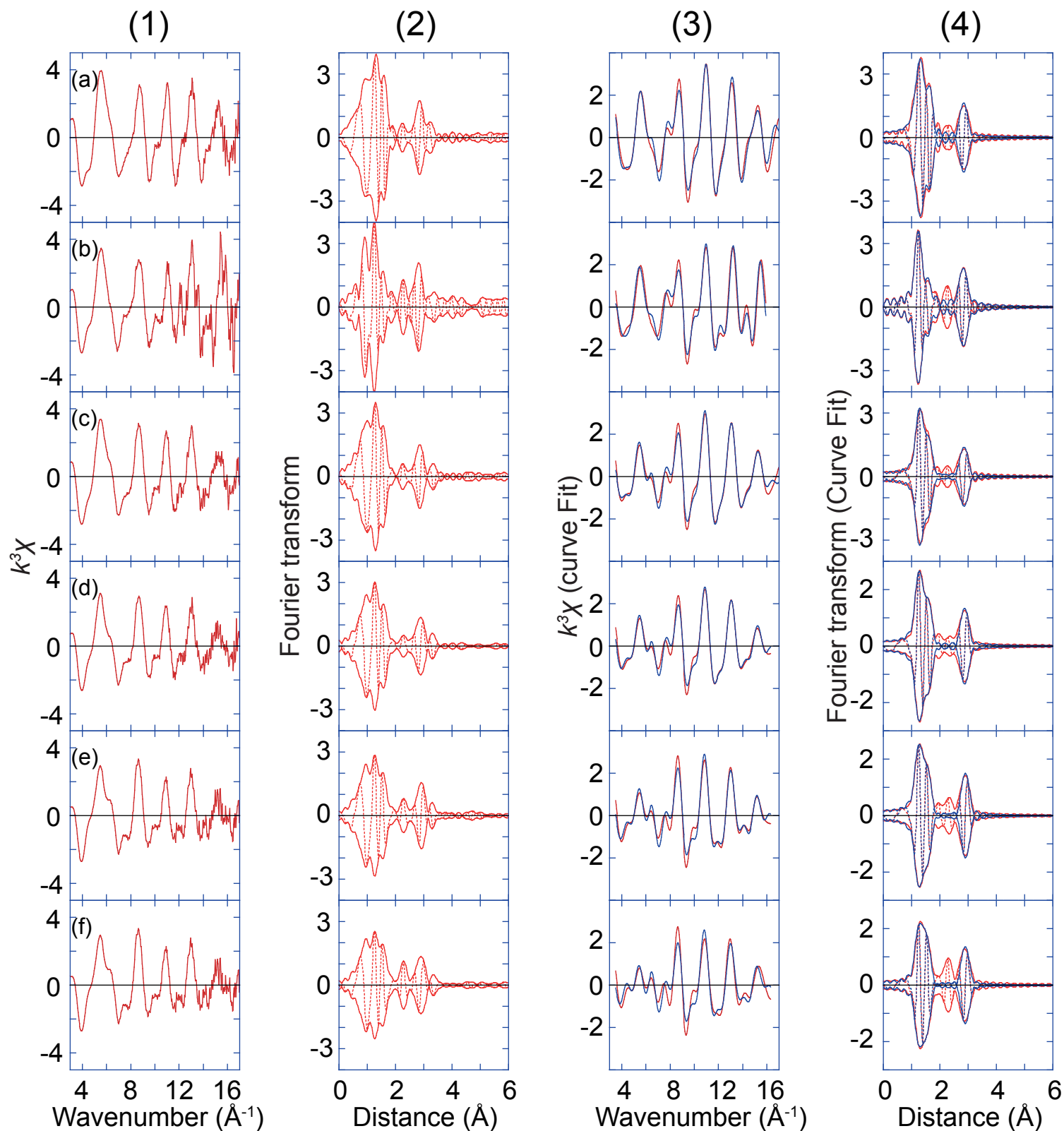
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**Figure S1.** Mo K-edge EXAFS spectra for 0-, 6-, 12-, 24-, 48-, and 72-h photolytes starting from  $\{\text{Mo}_7\}$  to  $\{\text{Mo}_{142}\}$  under UV light irradiation (spectra a – f, respectively). The  $k^3$ -weighted EXAFS  $\chi$ -function (panel 1), its associated Fourier transform (panel 2), and the best-fit results in  $k$ -space (panel 3) and  $R$ -space (panel 4). Red line: experimental, blue line: theoretical. Solid line: magnitude, dotted line: the imaginary part in panels 2 and 4.