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Interactions of aromatic rings in the crystal structures of hybrid polyoxometalates and Ru clusters

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Supporting information

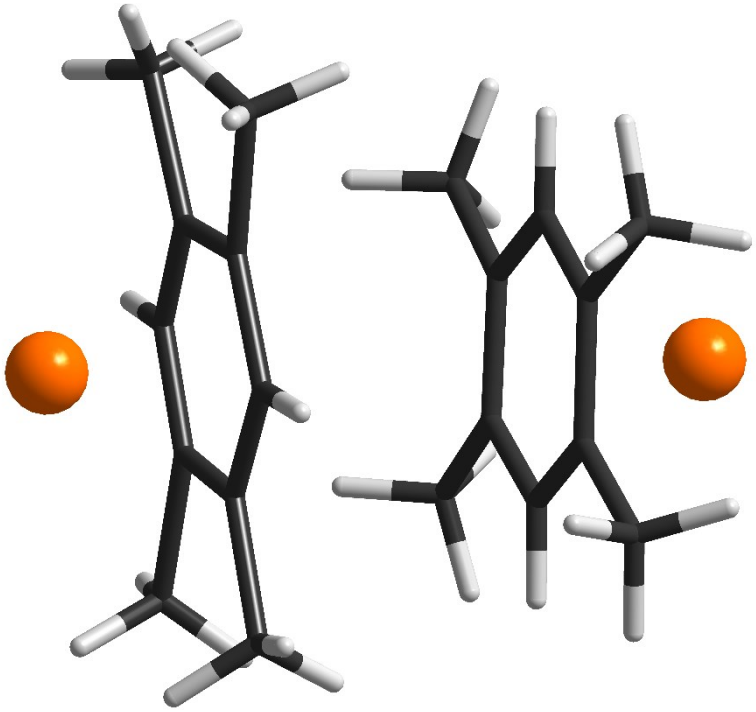

Figure S1. The adoptive geometry of two interacting $C_6H_2(CH_3)_4$ ligands in the crystal structure of ASANEN.

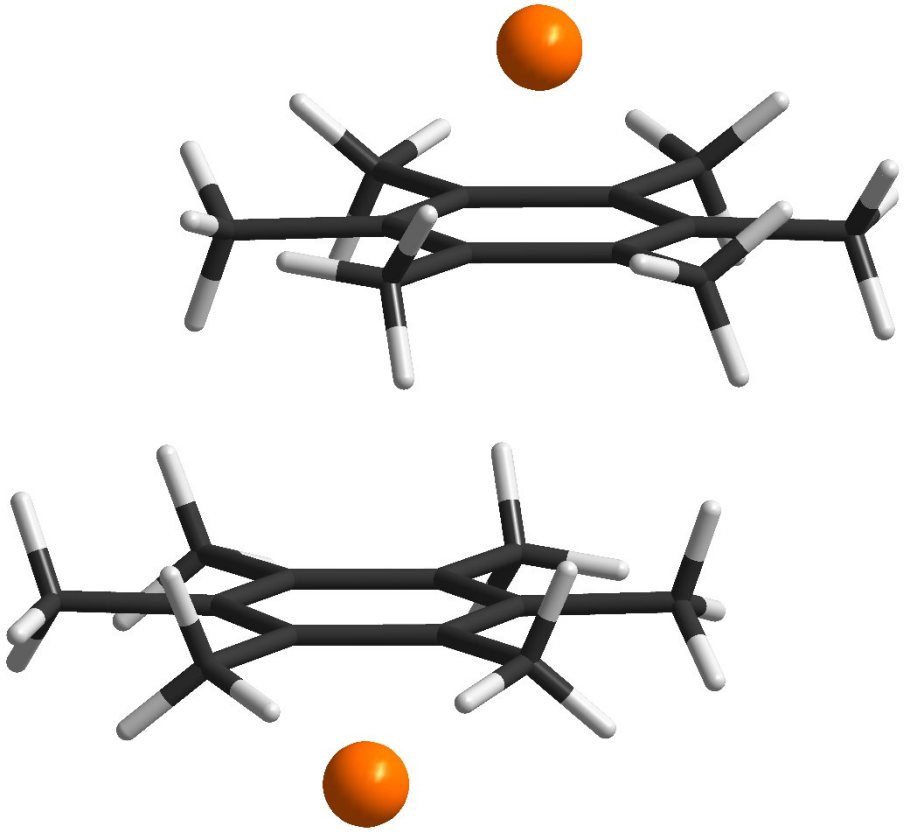

Figure S2. The geometry of two interacting $C_6(CH_3)_6$ ligands in the crystal structure of CINQEV01.

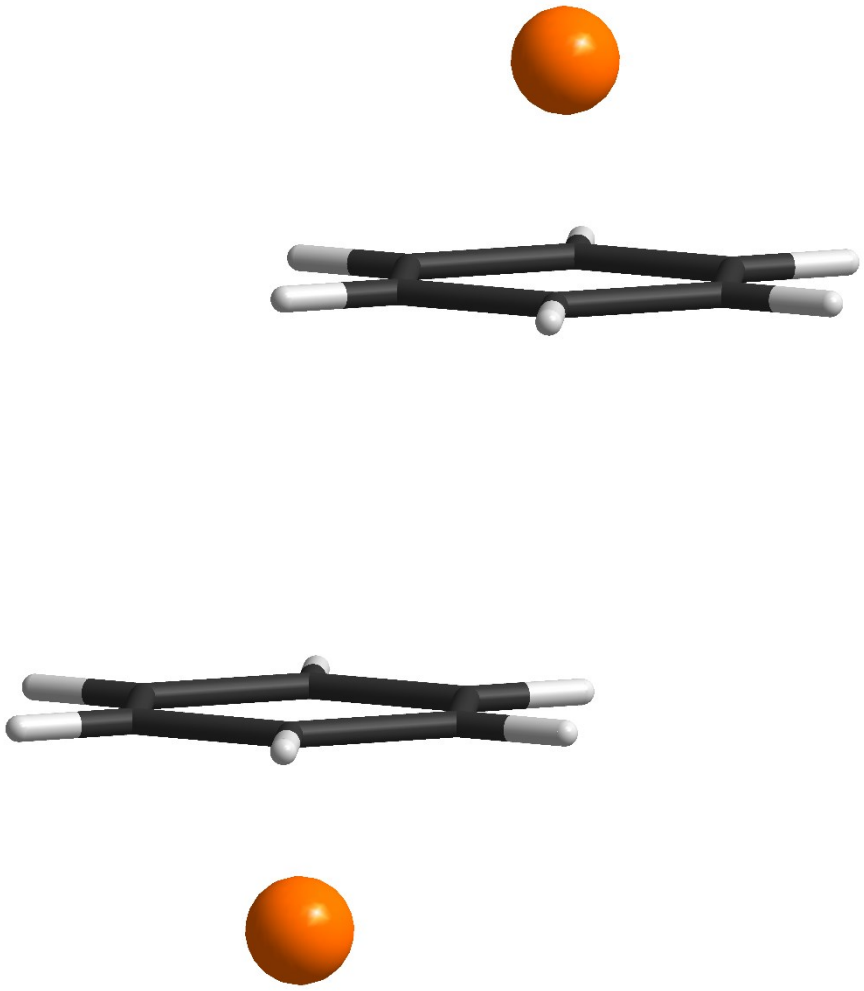

Figure S3. The geometry of two interacting C_6H_6 ligands in the crystal structure of DUZGIP.

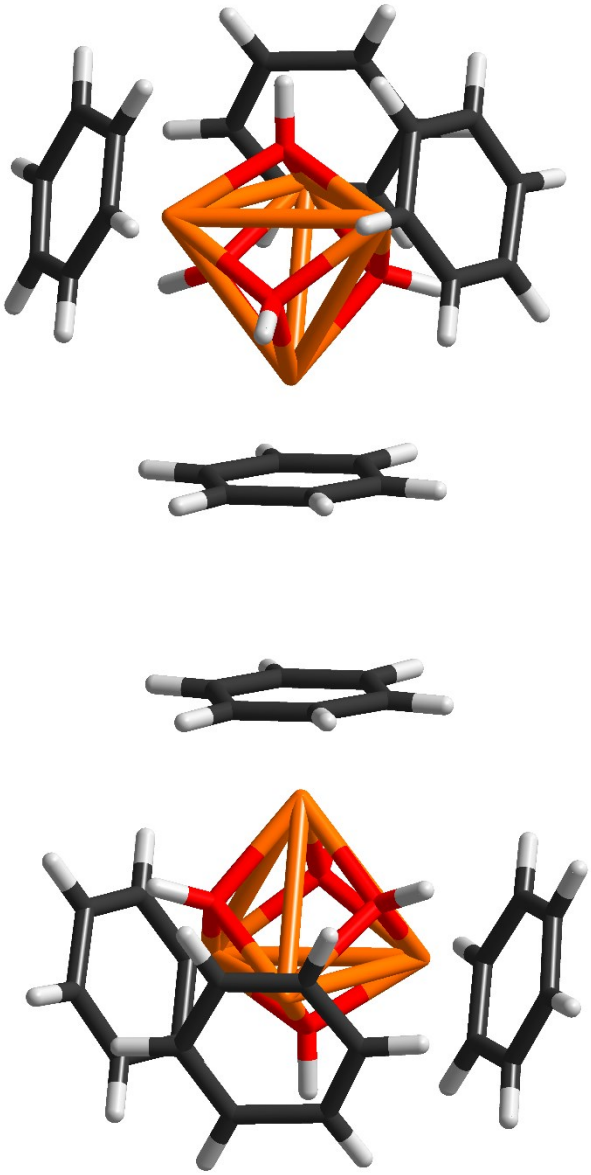

Figure S4. Strong π-π interactions in the crystal structure of QEWYOG.

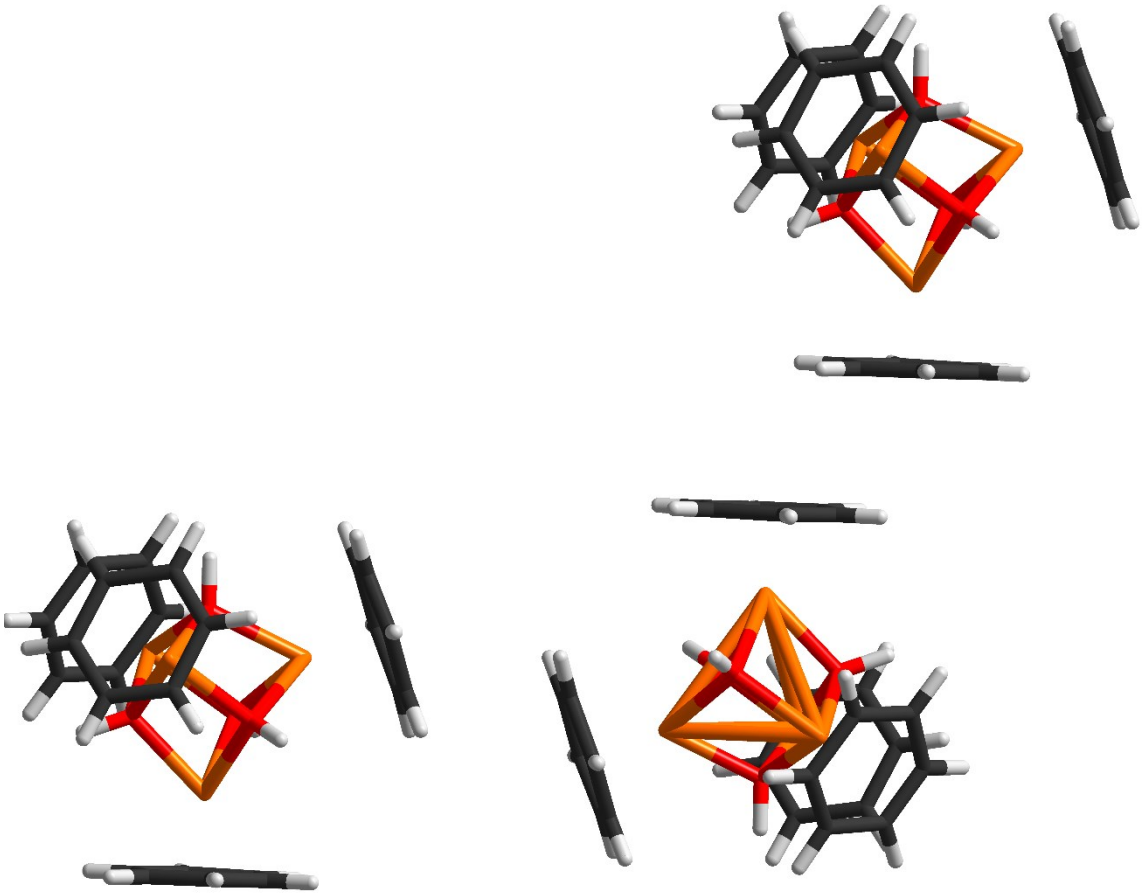

Figure S5. Weak π-π interactions in the crystal structure of QEWYOG.

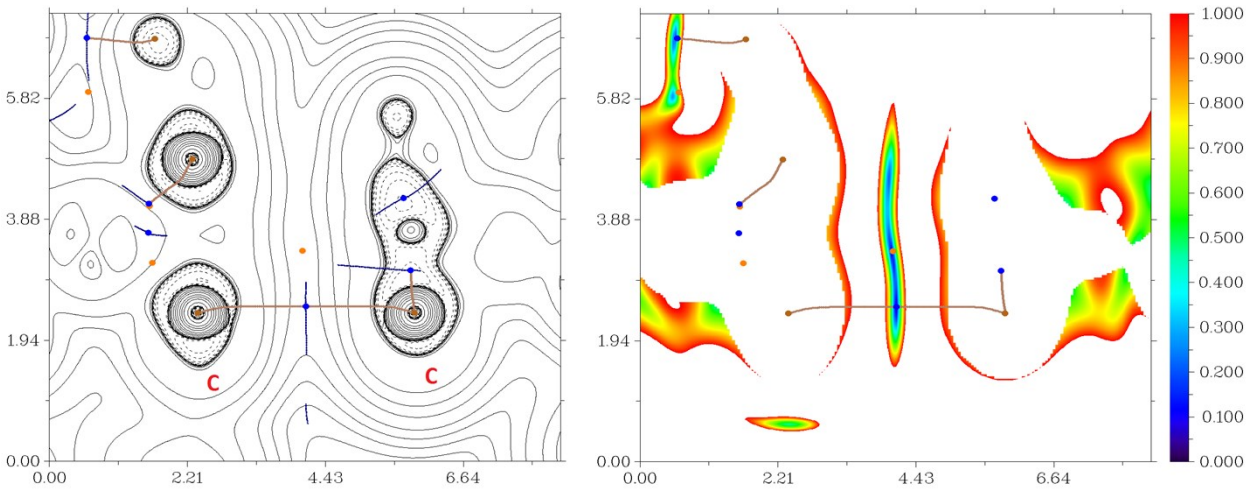

Figure S6. Contour line diagram of the Laplacian of electron density distribution $\nabla^2\rho(\mathbf{r})$, bond paths, and selected zero-flux surfaces (left panel) and visualization of reduced density gradient (RDG, right panel) for one of C···C contact corresponding to intermolecular stacking interactions in the X-ray structure **CIBZUJ**. Bond critical points (3, –1) are shown in blue, nuclear critical points (3, –3) – in pale brown, ring critical points (3, +1) – in orange, bond paths are shown as pale brown lines, length units – Å, and the color scale for the RDG map is presented in a.u.