Supplemental Material for:

A New 3D Framework Based on Wells-Dawson Arsenotungstates as

Eight-connected Linkages †

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Table of contents:

- 1. Scheme S1 The main coordination modes of btb ligand in this work.
- 2. Fig. S1 The coordination environments of three crystallographically independent Cu cations.
- 3. Fig. S2 The four crystallographically independent btb ligands in 1.
- 4. Fig. S3 The 48-membered macrocycle in 1.
- 5. Fig. S4 The XPS spectrum of 1.
- 6. Fig. S5 The IR spectrum of 1.
- 7. Fig. S6 The simulative (black) and experimental (red) PXRD patterns of compound 1.
- 8. Fig. S7 TG curve of compound 1.
- 9. Fig. S8 Reduction of H₂O₂ and NO₂⁻ at (NBu₄)₆[As₂W₁₈O₆₂]-CPE in 1 M H₂SO₄ solution.
- 10. Fig. S9 The stability experiment for 1-CPE.



Scheme S1. The main coordination modes of btb ligand in this work.



Fig. S1. The coordination environments of three crystallographically independent Cu cations.



Fig. S2. The four crystallographically independent btb ligands in 1.



Fig. S3. The 48-membered macrocycle in 1.



Fig. S4. The XPS spectrum of 1.



Fig. S5. The IR spectrum of 1.



Fig. S6. The simulative (black) and experimental (red) powder X-ray diffraction patterns for 1.





Fig. S8. Reduction of H_2O_2 (a) and NO_2^- (b) at $(NBu_4)_6[As_2W_{18}O_{62}]$ -CPE in 1 M H_2SO_4 solution containing H_2O_2 and NO_2^- in various concentrations (from inner to outer): 0, 10, 20, 30, 40, 50 mM.



Fig. S9. The 40 consecutive CV cycles of the 1-CPE at the scan rate of $0.3 \text{ V} \cdot \text{s}^{-1}$.