Supplementary Information

Self-assembly of Dawson-type $H_6P_2W_{18}O_{62}$@$[Cu_6O(TZI)_3(H_2O)_6]_4$ towards high performance of aerobic oxidation desulfurization of fuel

Wenjia Qu, Pengpeng Wei, Jingfang Li*, Liye Liang, Liqiang Ma, Guangming Li*

Key Laboratory of Functional Inorganic Material Chemistry (MOE), School of Chemistry and Materials Science, Heilongjiang University, Harbin 150080, Heilongjiang, China.

E-mail: fjlaaa.ok@163.com (J. Li); gmli@hlju.edu.cn (G. Li)

Table S1. Crystal data and structure refinements for D-P_2W_{18}@*rht*-MOF-1

Parameters	D-P_2W_{18}@*rht*-MOF-1
Empirical formula	$C_{36}H_{84}Cu_8N_{16}O_{113}P_2W_{18}$
CCDC No.	2005522
Formula weight	6428.75
Crystal system	cubic
Space group	*Fmm*
Unit cell	*a=b=c=44.4562(1)A* *α=β=γ=90°*
Volume	87861.2(6) A^3
Z	24
Density (calcd)	2.916 g/cm^3
Temperature	100.00 (2) K
Wavelength	0.71073 Å
Reflections collected	77508
μ	15.338 mm^{-1}
F (000)	69840.0
Final $R_1{}^a$, $wR_2{}^b$ *[I >2σ (I)]*	0.0753, 0.2121
Final $R_1{}^a$, $wR_2{}^b$ *(all data)*	0.0807, 0.2172
GOF on F^2	1.087

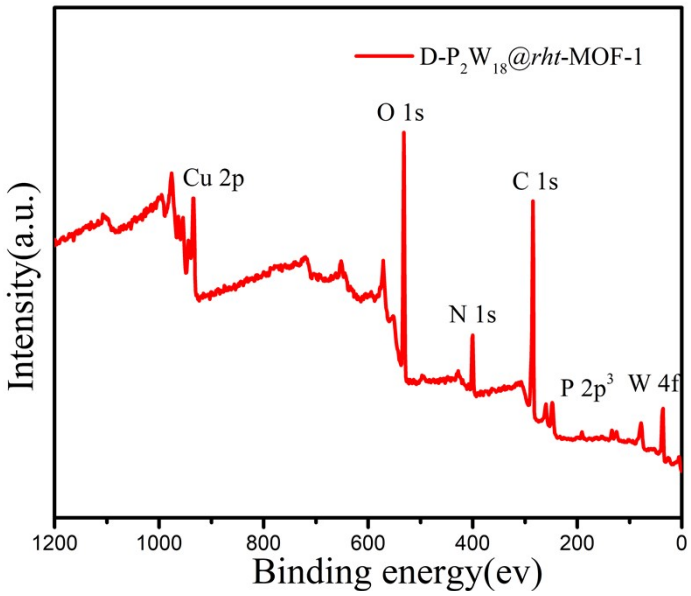

Fig. S1. XPS fully spectrum for D-P_2W_{18}@*rht*-MOF-1.