

Supplementary Materials: High Photocatalytic Activity under Visible Light for a New Morphology of Bi₂WO₆ Microcrystals

Table S1: Supplementary results from the Rietveld structural refinement for Bi₂WO₆ and Bi₂WO₆-glyc.

Atom	Wyckoff	site	Atomic coordinates			U _{iso}	O _{cc}
			x	y	z		
Bi₂WO₆							
Bi1	4a	1	0.527(15)	0.421(04)	0.976(08)	0.43600	1
Bi2	4a	1	0.498(07)	0.073(77)	0.979(56)	0.59500	1
W1	4a	1	0.007(06)	0.248(76)	0	0.15900	1
O1	4a	1	0.057(87)	0.142(10)	0.162(88)	0.85200	1
O2	4a	1	0.259(69)	0.999(42)	0.263(47)	0.68700	1
O3	4a	1	0.874(82)	0.634(90)	0.257(63)	0.39700	1
O4	4a	1	0.705(87)	0.232(37)	0.250(69)	0.78600	1
O5	4a	1	0.213(08)	0.263(92)	0.330(79)	0.95700	1
O6	4a	1	0.561(57)	0.359(84)	0.561(83)	0.68900	1
<i>R</i> _parameters: R _p = 18.6, R _{wp} = 16.4, R _{exp} = 16 and χ^2 = 1.3							
Bi₂WO₆-glyc							
Bi1	4a	1	0.513(40)	0.422(38)	1.001(50)	0.43600	1
Bi2	4a	1	0.484(18)	0.077(32)	0.992(27)	0.59500	1
W1	4a	1	0.006(14)	0.250(93)	0	0.15900	1
O1	4a	1	0.057(87)	0.140(16)	0.076(80)	0.85200	1
O2	4a	1	0.259(69)	0.999(42)	0.263(47)	0.68700	1
O3	4a	1	0.240(29)	0.500(56)	0.257(63)	0.39700	1
O4	4a	1	0.705(87)	0.232(37)	0.250(69)	0.78600	1
O5	4a	1	0.213(08)	0.263(92)	0.330(79)	0.95700	1
O6	4a	1	0.561(57)	0.359(84)	0.561(83)	0.68900	1
<i>R</i> _parameters: R _p = 13, R _{wp} = 13.5, R _{exp} = 6.61 and χ^2 = 1.0							

Legend: U_{iso} = Thermal anisotropic factor; O_{cc} = occupation.

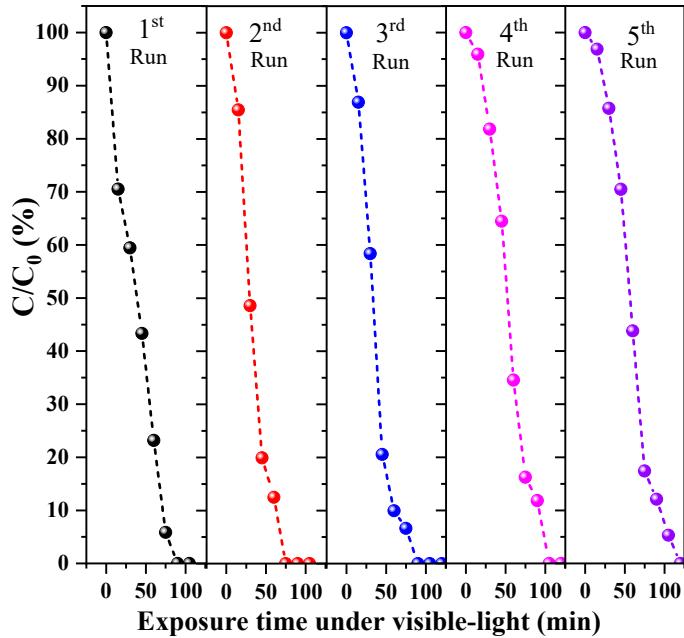


Figure S1: Photocatalytic degradation of RhB Dye using Bi_2WO_6 -glyc microcrystals for five consecutive cycles.



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