Supplementary Materials

Sunlight-Active BiOI Photocatalyst as an Efficient Adsorbent for the Removal of Organic Dyes and Antibiotics from Aqueous Solutions

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Table S1. Comparison of pollutant degradation by using various photocatalysts

Photocatalyst	Pollutants	Conc.	Catalyst loading	Light source	Lamp	Time (min)	Degradation (%)	Ref.
BiOBr	NOR	20 mgL^{-1}	50 mg	-	-	180	97.2	[1]
BiOBr-Bi	NOR	20 mgL^{-1}	50 mg	Visible	500 W xenon lamp	180	97.2	[2]
Bi/BiOBr/CdS	NOR	20 mgL^{-1}	50 mg	Visible	500 W xenon lamp	180	97.4	[3]
BiOBr/UiO-66-NH_2	NOR	10 mgL^{-1}	15 mg	Visible	500 W xenon lamp	180	93.6	[4]
$CoFe_2O_4$-rGO-BiOBr	NOR	5 mgL^{-1}	25 mg	Visible	Mercury lamp	40	88.7	[5]
BiOBr/β-Bi_2O_3	NOR	20 mgL^{-1}	50 mg	Solar	500 W xenon lamp	60	70.0	[6]
BiOI	NOR	10 mgL^{-1}	50 mg	Sunlight	-	240	78.1	This work
WO_3	RhB	40 mgL^{-1}	50 mg	Visible	500 W xenon lamp	100	92.8	[7]
$Cs_3PW_{12}O_{40}/WO_3$	RhB	40 mgL^{-1}	60 mg	Visible	55 W xenon lamp	30	100	[8]
$Ag/Ag_3PO_4/WO_3$	RhB	10 mgL^{-1}	20 mg	Visible	300 W xenon lamp	120	100	[9]
CdS/AgBr-rGO	RhB	5 mgL^{-1}	60 mg	Visible	500 W xenon lamp	60	95.8	[10]
Ag/AgBr/ZnO	RhB	5 mgL^{-1}	100 mg	Visible	300 W Tungsten lamp	180	100	[11]
BiOI	RhB	10 mgL^{-1}	50 mg	Sunlight	-	60	100	This work

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