materials

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Supplementary Materials

Ag/AgCl/MIL-101(Fe) Catalyzed Degradation of Methylene Blue under Visible Light Irradiation

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Table S1. Factors and levels in Plackett-Burman design.

Factor	Name	Units	Levels low (–)	Levels high (+)
X1	Initial pH	—	5	9
X2	Initial dye concentration	mg/L	10	30
X3	catalyst dosage	g/L	0.1	1.1
X4	Initial hydrogen peroxide	mM	0.5	12.5
X5	radiation intensity	W	300	500
X6	adsorption time	min	10	60
X7–X11	virtual variables	—	—	—

Table S2. Effects of the variables of the Plackett-Burman design.

Term	Stdized Effects	Sum of Squares	Contribution (%)
Initial pH	-1.44	6.19	0.17
initial MB concentration	-19.66	1157.19	31.73
catalyst dosage	14.18	602.93	16.53
initial H_2O_2 concentration	15.71	740.10	20.29
irradiation intensity	18.72	1050.94	28.81
adsorption time	2.21	14.70	0.40

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