

Supplementary materials for:

Photocatalytic performance of Cu_xO/TiO₂ deposited by HiPIMS on Polyester under visible light LEDs: oxidants, ions effect and reactive oxygen species investigation

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Table S1. Second order rate constants of different scavengers with radical species

Scavengers	t-BuOH	i-PrOH	KI	BQ
Radicals species	k (M ⁻¹ s ⁻¹)	k (M ⁻¹ s ⁻¹)	k (M ⁻¹ s ⁻¹)	k (M ⁻¹ s ⁻¹)
•OH	6.0 x 10 ⁸	1.9 x 10 ⁹	1.1 x 10 ¹⁰	1.35 x 10 ⁹
SO ₄ • ⁻	8.0 x 10 ⁵	1.9 x 10 ⁹	-	-
h ⁺	-	-	1.1 x 10 ¹⁰	-
O ₂ • ⁻	-	-	-	0.9-1.0 x 10 ⁹