

Supporting Information

One-step hydrothermal synthesis of cobalt and potassium codoped CdSe quantum dots with high visible light photocatalytic activity

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Table S1. Compared photocatalytic ability of the K and Co-codoped CdSe quantum dots with the reported works

Catalyst	reaction time	Amount of catalyst	Initial concentration	Degradation efficiency
BiOI microspheres	480min	0.05g	20mg/L	80%
H ₃ PMo ₁₂ O ₄₀ ⁻ chitosan/TiO ₂	50min	0.1	20mg/L	78.28%
Bi ₂₄ O ₃₁ Br ₁₀ nanoflakes	60min	0.05	40mg/L	60%
Cl-TiO ₂ imprinted photocatalyst	60min	0.1	15mg/L	72.35%
C-N-S tridoped TiO ₂	16min	0.05g	15mg/L	80%
TiO ₂	120min	0.05g	7.3×10 ⁻⁵ mol/L	50%
Co-CdSe	30min	0.05g	20mg/L	77%
Co-K-CdSe	30min	0.05g	20mg/L	82.43%

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