

Hu wenyu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Stepwise irradiative engineering based on Einstein quantum theory for promoting PVA/TiO ₂ photocatalytic activity at minimized irradiance consumption. <i>Applied Surface Science</i> , 2022, 601, 154145.	6.1	0
2	Facile synthesis of Ag/Zn _{1-x} Cu _x O nanoparticle compound photocatalyst for high-efficiency photocatalytic degradation: Insights into the synergies and antagonisms between Cu and Ag. <i>Ceramics International</i> , 2021, 47, 48-56.	4.8	10
3	Directional charge transportation and Rayleigh scattering for the optimal in-band quantum yield of a composite semiconductor nano-photocatalyst. <i>Catalysis Science and Technology</i> , 2021, 11, 3855-3864.	4.1	1
4	Chemically synthesized (Ag, Mn ₂ O ₃)-codecorated ZnO nanoparticles for achieving superior visible light-induced photodegradation and enhanced gas sensing activity. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13797-13807.	2.8	6
5	A synergistic boost of photo-activity of ZnO for photocatalytic degradation of methylene blue by Ag decoration and Fe doping. <i>Materials Letters</i> , 2021, 286, 129250.	2.6	15
6	Exploration of irradiation intensity dependent external in-band quantum yield for ZnO and CuO/ZnO photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10768-10779.	2.8	4
7	Synthesizing CuO/CeO ₂ /ZnO Ternary Nano-Photocatalyst with Highly Effective Utilization of Photo-Excited Carriers under Sunlight. <i>Nanomaterials</i> , 2020, 10, 1946.	4.1	18
8	Designed Ag-decorated Mn:ZnO nanocomposite: facile synthesis, and enhanced visible light absorption and photogenerated carrier separation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27272-27279.	2.8	14
9	Enhanced photocatalytic properties of CuO@ZnO nanocomposites by decoration with Ag nanoparticles. <i>Ceramics International</i> , 2020, 46, 24753-24757.	4.8	16