

A review on exploration of Fe₂O₃ photocatalyst toward contaminants

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Polymer Nanocomposite-based Coatings for Corrosion Protection. Chemistry - an Asian Journal, 2020, 15, 3915-3941.	1.7	58
2	Surface functionalized magnetic Fe_2O_3 nanoparticles: Synthesis, characterization and Hg^{2+} ion removal in water. Surfaces and Interfaces, 2020, 21, 100680.	1.5	12
3	Aerobic Oil-Phase Cyclic Magnetic Adsorption to Synthesize 1D $\text{Fe}_2\text{O}_3/\text{TiO}_2$ Nanotube Composites for Enhanced Visible-Light Photocatalytic Degradation. Nanomaterials, 2020, 10, 1345.	1.9	15
4	Review on heterogeneous photocatalytic disinfection of waterborne, airborne, and foodborne viruses: Can we win against pathogenic viruses?. Journal of Colloid and Interface Science, 2020, 580, 503-514.	5.0	412
5	Facile synthesis of a novel nitrogen-doped carbon dot adorned zinc oxide composite for photodegradation of methylene blue. Dalton Transactions, 2020, 49, 17725-17736.	1.6	70
6	The unforeseen relationship of Fe_2O_3 and ZnO on fibrous silica KCC-1 catalyst for fabricated Z-scheme extractive-photooxidative desulphurization. Powder Technology, 2020, 375, 397-408.	2.1	30
7	Immobilization of $\text{Fe}_2\text{O}_3/\text{TiO}_2$ photocatalyst on the metallic substrate via plasma electrolytic oxidation process: degradation efficiency. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	12
8	Crystallization time in ZnO : the role of surface OH groups in its photoactivity. New Journal of Chemistry, 2020, 44, 18216-18224.	1.4	12
9	B-site Substitution Effects on The Catalytic Activity of Perovskites Compounds towards Oxidative Degradation of Orange II Solutions. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012001.	0.3	0
10	Synthesis, characterization, and photocatalytic performance of Ag/AgFeO_2 decorated on $\text{g-C}_3\text{N}_4$ -nanosheet under the visible light irradiation. Journal of the Taiwan Institute of Chemical Engineers, 2020, 115, 279-292.	2.7	35
11	An efficiently heterogeneous photocatalyst for degradation of cation and neutral dyes under UV light based on size-dependent effects of tetracarboxyate complex. Journal of Solid State Chemistry, 2020, 292, 121681.	1.4	3
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13	Enhancement of photo-Fenton catalytic activity with the assistance of oxalic acid on the kaolin- FeOOH system for the degradation of organic dyes. RSC Advances, 2020, 10, 18704-18714.	1.7	28
14	Enhanced Photocatalytic and Antibacterial Activities of $\text{K}_2\text{Ti}_6\text{O}_{13}$ Nanowires Induced by Copper Doping. Crystals, 2020, 10, 400.	1.0	8
15	Z-scheme heterojunction nanocomposite fabricated by decorating magnetic MnFe_2O_4 nanoparticles on BiOBr nanosheets for enhanced visible light photocatalytic degradation of 2,4-dichlorophenoxyacetic acid and Rhodamine B. Separation and Purification Technology, 2020, 250, 117186.	3.9	92
16	Updates on the Roadmap for Photocatalysis. ACS Catalysis, 2020, 10, 5493-5501.	5.5	293
17	2-Methylimidazole-modulated UiO-66 as an effective photocatalyst to degrade Rhodamine B under visible light. Journal of Materials Science, 2021, 56, 1577-1589.	1.7	7
18	Iron-based catalysts for persulfate-based advanced oxidation process: Microstructure, property and tailoring. Chemical Engineering Journal, 2021, 421, 127845.	6.6	85

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19	Sustainable engineering of TiO ₂ -based advanced oxidation technologies: From photocatalyst to application devices. <i>Journal of Materials Science and Technology</i> , 2021, 78, 202-222.	5.6	60
20	Adding value to aluminosilicate solid wastes to produce adsorbents, catalysts and filtration membranes for water and wastewater treatment. <i>Journal of Materials Science</i> , 2021, 56, 1039-1063.	1.7	20
21	Surface plasmon resonance triggered promising visible light photocatalysis of LiNbO ₃ ceramic supported Ag nanoparticles. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1237-1246.	1.9	10
22	Preparation of zinc tellurides quantum dots and zinc tellurides/multi-walled carbon nanotubes nanocomposites and photocatalytic activity. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 1047-1053.	0.9	2
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32	Solid-State Synthesis of Direct Z-Scheme Cu ₂ O/WO ₃ Nanocomposites with Enhanced Visible-Light Photocatalytic Performance. <i>Catalysts</i> , 2021, 11, 293.	1.6	23
33	Synthesis and application of Au NPs-chitosan nanocomposite in the treatment of acute myeloid leukemia in vitro and in vivo. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102929.	2.3	4
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36	Employment of advanced oxidation processes in the degradation of a textile dye mixture: evaluation of reaction parameters, kinetic study, toxicity and modeling by artificial neural networks. <i>Revista Eletrônica Em Gestão e Educação E Tecnologia Ambiental</i> , 0, 25, e12.	0.0	5

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56	Adsorptive removal and visible-light photocatalytic degradation of large cationic and anionic dyes induced by air-bubbles in the presence of a magnetic porphyrinic metal-organic framework (Fe ₃ O ₄ @SiO ₂ @PCN-222(Fe)). <i>Journal of Physics and Chemistry of Solids</i> , 2021, 155, 110126.	1.9	26
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71	Double hydrothermal synthesis of iron oxide/silver oxide nanocomposites with antibacterial activity. <i>Journal of the Mechanical Behavior of Materials</i> , 2021, 30, 207-212.	0.7	6
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89	Synthesis, Characterization, and Photocatalytic Activity of Ba-Doped BiFeO_3 Thin Films. <i>Materials</i> , 2022, 15, 961.	1.3	12
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110	Photocatalytic Activity Enhancement in Methylene Blue Degradation by Loading Ag Nanoparticles onto γ -Fe ₂ O ₃ . Russian Journal of Inorganic Chemistry, 2021, 66, 1995-2003.	0.3	6
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130	Application of Fe ₂ O ₃ -based heterogeneous photo-Fenton catalyst in wastewater treatment: A review of recent advances. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108329.	3.3	29
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