

L J Xu

List of Publications by Year in descending order

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45
papers

1,776
citations

218592

26
h-index

265120

42
g-index

45
all docs

45
docs citations

45
times ranked

1736
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose derived carbon nanofiber: A promising biochar support to enhance the catalytic performance of CoFe ₂ O ₄ in activating peroxydisulfate for recycled dimethyl phthalate degradation. <i>Science of the Total Environment</i> , 2019, 694, 133705.	3.9	114
2	Novel Z-scheme visible-light photocatalyst based on CoFe ₂ O ₄ /BiOBr/Graphene composites for organic dye degradation and Cr(VI) reduction. <i>Applied Surface Science</i> , 2019, 478, 744-753.	3.1	94
3	Visible light induced methylene blue dye degradation photo-catalyzed by WO ₃ /graphene nanocomposites and the mechanism. <i>Ceramics International</i> , 2016, 42, 15235-15241.	2.3	84
4	Preparation of core-shell structured CoFe ₂ O ₄ incorporated Ag ₃ PO ₄ nanocomposites for photocatalytic degradation of organic dyes. <i>Materials and Design</i> , 2016, 109, 354-360.	3.3	72
5	A systematic study of the degradation of dimethyl phthalate using a high-frequency ultrasonic process. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 892-899.	3.8	64
6	Fe ₃ C-porous carbon derived from Fe ₂ O ₃ loaded MOF-74(Zn) for the removal of high concentration BPA: The integrations of adsorptive/catalytic synergies and radical/non-radical mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 413, 125305.	6.5	64
7	Enhanced degradation of bisphenol A by mixed ZIF derived CoZn oxide encapsulated N-doped carbon via peroxydisulfate activation: The importance of N doping amount. <i>Journal of Hazardous Materials</i> , 2021, 419, 126363.	6.5	64
8	A Review of Processes for Removing Antibiotics from Breeding Wastewater. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4909.	1.2	63
9	Multifunctional ZnO-porous carbon composites derived from MOF-74(Zn) with ultrafast pollutant adsorption capacity and supercapacitance properties. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 260-268.	5.0	60
10	Mechanistic studies on peroxydisulfate activation by g-C ₃ N ₄ under visible light for enhanced oxidation of light-inert dimethyl phthalate. <i>Chinese Journal of Catalysis</i> , 2020, 41, 322-332.	6.9	60
11	Using wood flour waste to produce biochar as the support to enhance the visible-light photocatalytic performance of BiOBr for organic and inorganic contaminants removal. <i>Chemosphere</i> , 2020, 250, 126291.	4.2	58
12	Promoting Fe ³⁺ /Fe ²⁺ cycling under visible light by synergistic interactions between P25 and small amount of Fenton reagents. <i>Journal of Hazardous Materials</i> , 2019, 379, 120795.	6.5	55
13	The fabrication of bio-renewable and recyclable cellulose based carbon microspheres incorporated by CoFe ₂ O ₄ and the photocatalytic properties. <i>Journal of Cleaner Production</i> , 2018, 196, 594-603.	4.6	53
14	Simultaneous removal of rhodamine B and Cr(VI) from water using cellulose carbon nanofiber incorporated with bismuth oxybromide: The effect of cellulose pyrolysis temperature on photocatalytic performance. <i>Environmental Research</i> , 2020, 185, 109414.	3.7	53
15	Mechanistic study on the combination of ultrasound and peroxydisulfate for the decomposition of endocrine disrupting compounds. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104749.	3.8	52
16	Highly efficient visible-light photocatalyst based on cellulose derived carbon nanofiber/BiOBr composites. <i>Cellulose</i> , 2018, 25, 4133-4144.	2.4	50
17	Graphene oxide incorporated alginate hydrogel beads for the removal of various organic dyes and bisphenol A in water. <i>Colloid and Polymer Science</i> , 2018, 296, 607-615.	1.0	49
18	Sonophotolytic degradation of dimethyl phthalate without catalyst: Analysis of the synergistic effect and modeling. <i>Water Research</i> , 2013, 47, 1996-2004.	5.3	46

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19	Atrazine degradation using chemical-free process of USUV: Analysis of the micro-heterogeneous environments and the degradation mechanisms. <i>Journal of Hazardous Materials</i> , 2014, 275, 166-174.	6.5	41
20	Solar photocatalytic degradation of ibuprofen with a magnetic catalyst: Effects of parameters, efficiency in effluent, mechanism and toxicity evolution. <i>Environmental Pollution</i> , 2021, 276, 116691.	3.7	40
21	Degradation of emerging contaminants by sono-Fenton process with in situ generated H ₂ O ₂ and the improvement by P25-mediated visible light irradiation. <i>Journal of Hazardous Materials</i> , 2020, 391, 122229.	6.5	38
22	Interactive effects of roxithromycin and freshwater microalgae, <i>Chlorella pyrenoidosa</i> : Toxicity and removal mechanism. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110156.	2.9	38
23	Efficient destruction of emerging contaminants in water by UV/S(IV) process with natural reoxygenation: Effect of pH on reactive species. <i>Water Research</i> , 2021, 198, 117143.	5.3	37
24	Sonopholytic degradation of phthalate acid esters in water and wastewater: Influence of compound properties and degradation mechanisms. <i>Journal of Hazardous Materials</i> , 2015, 288, 43-50.	6.5	35
25	Improvement of Fe ²⁺ /peroxymonosulfate oxidation of organic pollutants by promoting Fe ²⁺ regeneration with visible light driven g-C ₃ N ₄ photocatalysis. <i>Chemical Engineering Journal</i> , 2022, 430, 132828.	6.6	31
26	Regulation of the formation and structure of biofilms by quorum sensing signal molecules packaged in outer membrane vesicles. <i>Science of the Total Environment</i> , 2022, 806, 151403.	3.9	31
27	The mechanism study of efficient degradation of hydrophobic nonylphenol in solution by a chemical-free technology of sonophotolysis. <i>Journal of Hazardous Materials</i> , 2016, 308, 386-393.	6.5	26
28	Reduced Graphene Oxide@P25 Nanocomposites as Efficient Photocatalysts for Degradation of Bisphenol A in Water. <i>Catalysts</i> , 2019, 9, 607.	1.6	26
29	Construction of ZIF@electrospun cellulose nanofiber derived N doped metallic cobalt embedded carbon nanofiber composite as binder-free supercapacitance electrode. <i>Carbohydrate Polymers</i> , 2021, 267, 118166.	5.1	26
30	Efficient degradation of bisphenol A using High-Frequency Ultrasound: Analysis of influencing factors and mechanistic investigation. <i>Journal of Cleaner Production</i> , 2019, 232, 1195-1203.	4.6	25
31	Utilization of photochemical circulation between NO ₃ ⁻ and NO ₂ ⁻ in water to degrade photoinert dimethyl phthalate: Influence of organic media and mechanism study. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 117958.	10.8	24
32	High-efficient visible-light photocatalyst based on graphene incorporated Ag ₃ PO ₄ nanocomposite applicable for the degradation of a wide variety of dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 340, 70-79.	2.0	23
33	Antibacterial nanocomposite based on carbon nanotubes@silver nanoparticles-co-doped polylactic acid. <i>Polymer Bulletin</i> , 2020, 77, 793-804.	1.7	23
34	Rational design of Co _x Mn _{3-x} O ₄ embedded carbon composites from MOF-74 structure for boosted peroxymonosulfate activation: A dual pathway mechanism. <i>Chemical Engineering Journal</i> , 2022, 435, 134877.	6.6	22
35	Acetonitrile wastewater treatment enhanced by a hybrid membrane-aerated bioreactor containing aerated and non-aerated zones. <i>Bioresource Technology</i> , 2019, 289, 121754.	4.8	20
36	Boosted activity of γ -MnO ₂ by Kenaf derived carbon fiber for high-efficient oxidative degradation of bisphenol A in water. <i>Materials and Design</i> , 2021, 203, 109596.	3.3	19

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37	Waste preserved wood derived biochar catalyst for promoted peroxymonosulfate activation towards bisphenol A degradation with low metal ion release: The insight into the mechanisms. <i>Science of the Total Environment</i> , 2022, 813, 152673.	3.9	18
38	Photoactivation of peroxymonosulfate by wood pulp cellulose biochar/g-C ₃ N ₄ composite for diclofenac degradation: the radical and nonradical pathways. <i>Biochar</i> , 2022, 4, .	6.2	17
39	Antibacterial, Flexible, and Conductive Membrane Based on MWCNTs/Ag Coated Electro-Spun PLA Nanofibrous Scaffolds as Wearable Fabric for Body Motion Sensing. <i>Polymers</i> , 2020, 12, 120.	2.0	15
40	A novel membrane-aerated biofilter for the enhanced treatment of nitroaniline wastewater: Nitroaniline biodegradation performance and its influencing factors. <i>Bioresource Technology</i> , 2020, 307, 123241.	4.8	12
41	Alginate acid/graphene oxide hydrogel film coated functional cotton fabric for controlled release of matrine and oxymatrine. <i>RSC Advances</i> , 2016, 6, 76420-76425.	1.7	10
42	Cobalt ferrite/cellulose membrane inserted catalytic syringe filter for facile in-situ filtration/degradation of emerging organic pollutants in water via activating peroxymonosulfate. <i>Materials and Design</i> , 2022, 220, 110817.	3.3	9
43	Enhancement of Sono-Fenton by P25-Mediated Visible Light Photocatalysis: Analysis of Synergistic Effect and Influence of Emerging Contaminant Properties. <i>Catalysts</i> , 2020, 10, 1297.	1.6	8
44	A comparative study on phenazone degradation by sulfate radicals based processes. <i>Environmental Research</i> , 2020, 191, 110054.	3.7	5
45	Coupling of (methane+air)-membrane biofilms and air-membrane biofilms: Treatment of p-nitroaniline wastewater. <i>Journal of Hazardous Materials</i> , 2022, 435, 128946.	6.5	2