Haodong Ji

List of Publications by Year
in descending order

53 papers	3,913 citations	126907 33 h-index	182427 51 g-index
53 all docs	53 docs citations	53 times ranked	2326 citing authors

#	Article	IF	Citations
1	Photocatalysis-activated SR-AOP over PDINH/MIL-88A(Fe) composites for boosted chloroquine phosphate degradation: Performance, mechanism, pathway and DFT calculations. Applied Catalysis B: Environmental, 2021, 293, 120229.	20.2	288
2	Short-chain per- and polyfluoroalkyl substances in aquatic systems: Occurrence, impacts and treatment. Chemical Engineering Journal, 2020, 380, 122506.	12.7	285
3	2D/1D graphitic carbon nitride/titanate nanotubes heterostructure for efficient photocatalysis of sulfamethazine under solar light: Catalytic â€œhot spotsâ€•at the rutileâ€“anataseâ€“titanate interfaces. Applied Catalysis B: Environmental, 2020, 263, 118357.	20.2	211
4	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. Environmental Science & Technology, 2021, 55, 4045-4053.	10.0	192
5	Bifunctional Bi12O17Cl2/MIL-100(Fe) composites toward photocatalytic Cr(VI) sequestration and activation of persulfate for bisphenol A degradation. Science of the Total Environment, 2021, 752, 141901.	8.0	175
6	Degradation of acetaminophen by activated peroxymonosulfate using Co(OH)2 hollow microsphere supported titanate nanotubes: Insights into sulfate radical production pathway through CoOH+ activation. Chemical Engineering Journal, 2021, 406, 126877.	12.7	169
7	Insights into heterogeneous catalytic activation of peroxymonosulfate by natural chalcopyrite: pH-dependent radical generation, degradation pathway and mechanism. Chemical Engineering Journal, 2020, 397, 125387.	12.7	157
8	Insights into catalytic activation of peroxymonosulfate for carbamazepine degradation by MnO2 nanoparticles in-situ anchored titanate nanotubes: Mechanism, ecotoxicity and DFT study. Journal of Hazardous Materials, 2021, 402, 123779.	12.4	141
9	Activation of peroxydisulfate by V-Fe concentrate ore for enhanced degradation of carbamazepine: Surface â‰¡V(III) and â‰¡V(IV) as electron donors promoted the regeneration of â‰¡Fe(II). Applied Catalysis B: Environmental, 2021, 282, 119559.	20.2	128
10	A novel electrocatalytic filtration system with carbon nanotube supported nanoscale zerovalent copper toward ultrafast oxidation of organic pollutants. Water Research, 2021, 194, 116961.	11.3	123
11	Efficient activation of peroxymonosulfate by hollow cobalt hydroxide for degradation of ibuprofen and theoretical study. Chinese Chemical Letters, 2019, 30, 2191-2195.	9.0	110
12	Photocatalytic degradation of ofloxacin by perovskite-type NaNbO3 nanorods modified g-C3N4 heterojunction under simulated solar light: Theoretical calculation, ofloxacin degradation pathways and toxicity evolution. Chemical Engineering Journal, 2020, 400, 125918.	12.7	110
13	Visible light photocatalytic degradation of sulfanilamide enhanced by Mo doping of BiOBr nanoflowers. Journal of Hazardous Materials, 2022, 424, 127563.	12.4	104
14	Piezo-activation of peroxymonosulfate for benzothiazole removal in water. Journal of Hazardous Materials, 2020, 393, 122448.	12.4	102
15	Enhanced activation of molecular oxygen and degradation of tetracycline over Cu-S4 atomic clusters. Applied Catalysis B: Environmental, 2020, 272, 118966.	20.2	97
16	Simultaneous adsorption of uranium(VI) and 2-chlorophenol by activated carbon fiber supported/modified titanate nanotubes (TNTs/ACF): Effectiveness and synergistic effects. Chemical Engineering Journal, 2021, 406, 126752.	12.7	89
17	Pre-accumulation and in-situ destruction of diclofenac by a photo-regenerable activated carbon fiber supported titanate nanotubes composite material: Intermediates, DFT calculation, and ecotoxicity. Journal of Hazardous Materials, 2020, 400, 123225.	12.4	86
18	Novel CuCo₂O₄ Composite Spinel with a Meso-Macroporous Nanosheet Structure for Sulfate Radical Formation and Benzophenone-4 Degradation: Interface Reaction, Degradation Pathway, and DFT Calculation. ACS Applied Materials & Interfaces, 2020, 12, 20522-20535.	8.0	83

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19	Visible-light degradation of antibiotics catalyzed by titania/zirconia/graphitic carbon nitride ternary nanocomposites: a combined experimental and theoretical study. Applied Catalysis B: Environmental, 2022, 300, 120633.	20.2	82
20	Hydrothermal synthesis of graphene grafted titania/titanate nanosheets for photocatalytic degradation of 4-chlorophenol: Solar-light-driven photocatalytic activity and computational chemistry analysis. Chemical Engineering Journal, 2018, 331, 685-694.	12.7	75
21	In-situ construction of Co(OH)2 nanoparticles decorated urchin-like WO3 for highly efficient degradation of sulfachloropyridazine via peroxymonosulfate activation: Intermediates and DFT calculation. Chemical Engineering Journal, 2020, 395, 125186.	12.7	70
22	Adsorptive removal of ciprofloxacin with different dissociated species onto titanate nanotubes. Journal of Cleaner Production, 2021, 278, 123924.	9.3	61
23	Graphene modified anatase/titanate nanosheets with enhanced photocatalytic activity for efficient degradation of sulfamethazine under simulated solar light. Chemosphere, 2019, 233, 198-206.	8.2	60
24	Enhanced immobilization of U(VI) using a new type of FeS-modified Fe0 core-shell particles. Chemical Engineering Journal, 2019, 359, 1617-1628.	12.7	60
25	Enhanced adsorption and photocatalytic degradation of perfluorooctanoic acid in water using iron (hydr)oxides/carbon sphere composite. Chemical Engineering Journal, 2020, 388, 124230.	12.7	60
26	Surface modification of BiOBr/TiO2 by reduced AgBr for solar-driven PAHs degradation: Mechanism insight and application assessment. Journal of Hazardous Materials, 2021, 412, 125221.	12.4	58
27	Experimental evidences and theoretical calculations on phenanthrene degradation in a solar-light-driven photocatalysis system using silica aerogel supported TiO2 nanoparticles: Insights into reactive sites and energy evolution. Chemical Engineering Journal, 2021, 419, 129605.	12.7	56
28	Immobilization of U(VI) by stabilized iron sulfide nanoparticles: Water chemistry effects, mechanisms, and long-term stability. Chemical Engineering Journal, 2020, 393, 124692.	12.7	52
29	Degradation of petroleum hydrocarbons in seawater by simulated surface-level atmospheric ozone: Reaction kinetics and effect of oil dispersant. Marine Pollution Bulletin, 2018, 135, 427-440.	5.0	49
30	A carbon-rich g-C3N4 with promoted charge separation for highly efficient photocatalytic degradation of amoxicillin. Chinese Chemical Letters, 2021, 32, 2787-2791.	9.0	47
31	Reductive immobilization and long-term remobilization of radioactive pertechnetate using bio-macromolecules stabilized zero valent iron nanoparticles. Chinese Chemical Letters, 2019, 30, 2163-2168.	9.0	43
32	Ternary TiO2/WO3/CQDs nanocomposites for enhanced photocatalytic mineralization of aqueous cephalexin: Degradation mechanism and toxicity evaluation. Chemical Engineering Journal, 2021, 412, 128679.	12.7	40
33	Eliminating tetracycline antibiotics matrix via photoactivated sulfate radical-based advanced oxidation process over the immobilized MIL-88A: Batch and continuous experiments. Chemical Engineering Journal, 2022, 431, 133213.	12.7	39
34	Highly efficient AgBr/h-MoO3 with charge separation tuning for photocatalytic degradation of trimethoprim: Mechanism insight and toxicity assessment. Science of the Total Environment, 2021, 781, 146754.	8.0	38
35	Oxygen defective titanate nanotubes induced by iron deposition for enhanced peroxymonosulfate activation and acetaminophen degradation: Mechanisms, water chemistry effects, and theoretical calculation. Journal of Hazardous Materials, 2021, 418, 126180.	12.4	33
36	Hydrogen titanate nanosheets with both adsorptive and photocatalytic properties used for organic dyes removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 516, 211-218.	4.7	32

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37	Tuning band structure of graphitic carbon nitride for efficient degradation of sulfamethazine: Atmospheric condition and theoretical calculation. Chinese Chemical Letters, 2022, 33, 1385-1389.	9.0	32
38	Photocatalytic degradation of GenX in water using a new adsorptive photocatalyst. Water Research, 2022, 220, 118650.	11.3	32
39	Efficient removal and long-term sequestration of cadmium from aqueous solution using ferrous sulfide nanoparticles: Performance, mechanisms, and long-term stability. Science of the Total Environment, 2020, 704, 135402.	8.0	28
40	Activation of peracetic acid by metal-organic frameworks (ZIF-67) for efficient degradation of sulfachloropyridazine. Chinese Chemical Letters, 2022, 33, 3172-3176.	9.0	27
41	Application of Titanate Nanotubes for Photocatalytic Decontamination in Water: Challenges and Prospects. ACS ES&T Engineering, 2022, 2, 1015-1038.	7.6	24
42	Co-adsorption of ciprofloxacin and Cu(II) onto titanate nanotubes: Speciation variation and metal-organic complexation. Journal of Molecular Liquids, 2019, 292, 111375.	4.9	23
43	Sorption of dispersed petroleum hydrocarbons by activated charcoals: Effects of oil dispersants. Environmental Pollution, 2020, 256, 113416.	7.5	23
44	Sequestration of pertechnetate using carboxymethyl cellulose stabilized FeS nanoparticles: Effectiveness and mechanisms. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 561, 373-380.	4.7	22
45	Simultaneous control of soil erosion and arsenic leaching at disturbed land using polyacrylamide modified magnetite nanoparticles. Science of the Total Environment, 2020, 702, 134997.	8.0	22
46	Efficient adsorption of europium (III) and uranium (VI) by titanate nanorings: Insights into radioactive metal species. Environmental Science and Ecotechnology, 2020, 2, 100031.	13.5	20
47	Nanoscale zero-valent iron/persulfate enhanced upflow anaerobic sludge blanket reactor for dye removal: Insight into microbial metabolism and microbial community. Scientific Reports, 2017, 7, 44626.	3.3	18
48	Synchronous degradation of aqueous benzotriazole and bromate reduction in catalytic ozonation: Effect of matrix factor, degradation mechanism and application strategy in water treatment. Science of the Total Environment, 2020, 727, 138696.	8.0	13
49	Removal of 17Î²-Estradiol by Activated Charcoal Supported Titanate Nanotubes (TNTs@AC) through Initial Adsorption and Subsequent Photo-Degradation: Intermediates, DFT calculation, and Mechanisms. Water (Switzerland), 2020, 12, 2121.	2.7	9
50	Photo-ammonification of low molecular weight dissolved organic nitrogen by direct and indirect photolysis. Science of the Total Environment, 2021, 764, 142930.	8.0	8
51	Hydrogen bonding rather than cation bridging promotes graphene oxide attachment to lipid membranes in the presence of heavy metals. Environmental Science: Nano, 2020, 7, 2240-2251.	4.3	5
52	Improved microalgae biomass production and wastewater treatment: Pre-treating municipal anaerobic digestate for algae cultivation. , 2018, , .		2
53	Decoloration study for removal of water-soluble basic dye using organo-attapulgite. , 2011, , .		0