

Sheng-Peng Sun

List of Publications by Year in descending order

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40
papers

3,671
citations

201674

27
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

4547
citing authors

#	ARTICLE	IF	CITATIONS
1	Decolorization of an azo dye Orange G in aqueous solution by Fenton oxidation process: Effect of system parameters and kinetic study. <i>Journal of Hazardous Materials</i> , 2009, 161, 1052-1057.	12.4	281
2	Photocatalytic degradation of Orange G on nitrogen-doped TiO ₂ catalysts under visible light and sunlight irradiation. <i>Journal of Hazardous Materials</i> , 2008, 155, 312-319.	12.4	253
3	p-Nitrophenol degradation by a heterogeneous Fenton-like reaction on nano-magnetite: Process optimization, kinetics, and degradation pathways. <i>Journal of Molecular Catalysis A</i> , 2011, 349, 71-79.	4.8	252
4	Degradation of azo dye Amido black 10B in aqueous solution by Fenton oxidation process. <i>Dyes and Pigments</i> , 2007, 74, 647-652.	3.7	250
5	Microwave-assisted preparation, characterization and photocatalytic properties of a dumbbell-shaped ZnO photocatalyst. <i>Journal of Hazardous Materials</i> , 2010, 179, 438-443.	12.4	241
6	A kinetic study on the degradation of p-nitroaniline by Fenton oxidation process. <i>Journal of Hazardous Materials</i> , 2007, 148, 172-177.	12.4	230
7	Preparation and photocatalytic property of a novel dumbbell-shaped ZnO microcrystal photocatalyst. <i>Journal of Hazardous Materials</i> , 2009, 172, 1520-1526.	12.4	229
8	Photocatalytic degradation and kinetics of Orange G using nano-sized Sn(IV)/TiO ₂ /AC photocatalyst. <i>Journal of Molecular Catalysis A</i> , 2006, 260, 241-246.	4.8	191
9	Effective Biological Nitrogen Removal Treatment Processes for Domestic Wastewaters with Low C/N Ratios: A Review. <i>Environmental Engineering Science</i> , 2010, 27, 111-126.	1.6	184
10	Degradation of azo dye Acid black 1 using low concentration iron of Fenton process facilitated by ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 761-766.	8.2	139
11	Nanostructured semiconductor supported iron catalysts for heterogeneous photo-Fenton oxidation: a review. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15513-15546.	10.3	132
12	Enhanced heterogeneous and homogeneous Fenton-like degradation of carbamazepine by nano-Fe ₃ O ₄ /H ₂ O ₂ with nitrilotriacetic acid. <i>Chemical Engineering Journal</i> , 2014, 244, 44-49.	12.7	112
13	Sequential Aeration of Membrane-Aerated Biofilm Reactors for High-Rate Autotrophic Nitrogen Removal: Experimental Demonstration. <i>Environmental Science & Technology</i> , 2010, 44, 7628-7634.	10.0	109
14	Nano-magnetite catalyzed heterogeneous Fenton-like degradation of emerging contaminants carbamazepine and ibuprofen in aqueous suspensions and montmorillonite clay slurries at neutral pH. <i>Journal of Molecular Catalysis A</i> , 2013, 371, 94-103.	4.8	101
15	Kinetics and mechanism of carbamazepine degradation by a modified Fenton-like reaction with ferric-nitrilotriacetate complexes. <i>Journal of Hazardous Materials</i> , 2013, 252-253, 155-165.	12.4	98
16	Fenton oxidative decolorization of the azo dye Direct Blue 15 in aqueous solution. <i>Chemical Engineering Journal</i> , 2009, 155, 680-683.	12.7	93
17	Oxidative decomposition of p-nitroaniline in water by solar photo-Fenton advanced oxidation process. <i>Journal of Hazardous Materials</i> , 2008, 153, 187-193.	12.4	77
18	A Bimetallic Fe-Mn Oxide-Activated Oxone for In Situ Chemical Oxidation (ISCO) of Trichloroethylene in Groundwater: Efficiency, Sustained Activity, and Mechanism Investigation. <i>Environmental Science & Technology</i> , 2020, 54, 3714-3724.	10.0	72

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19	Mn ²⁺ -mediated homogeneous Fenton-like reaction of Fe(III)-NTA complex for efficient degradation of organic contaminants under neutral conditions. <i>Journal of Hazardous Materials</i> , 2016, 313, 193-200.	12.4	70
20	Degradation of ibuprofen in water by FeII-NTA complex-activated persulfate with hydroxylamine at neutral pH. <i>Chemical Engineering Journal</i> , 2018, 337, 152-160.	12.7	68
21	Degradation of Antibiotic Ciprofloxacin Hydrochloride by Photo-Fenton Oxidation Process. <i>Environmental Engineering Science</i> , 2009, 26, 753-759.	1.6	50
22	As(V) and Sb(V) co-adsorption onto ferrihydrite: synergistic effect of Sb(V) on As(V) under competitive conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14585-14594.	5.3	48
23	Efficient degradation of pharmaceutical micropollutants in water and wastewater by FeIII-NTA-catalyzed neutral photo-Fenton process. <i>Science of the Total Environment</i> , 2019, 688, 513-520.	8.0	47
24	TCE degradation in groundwater by chelators-assisted Fenton-like reaction of magnetite: Sand columns demonstration. <i>Journal of Hazardous Materials</i> , 2018, 346, 124-132.	12.4	38
25	Comparison of metoprolol degradation by FeIII-NTA modified Fenton-like reaction in the absence and presence of manganese: Efficiency and intermediates. <i>Chemical Engineering Journal</i> , 2017, 313, 769-776.	12.7	37
26	Hydroxyl and sulfate radicals formation in UVA/FeIII-NTA/S ₂ O ₈ ²⁻ system: Mechanism and effectiveness in carbamazepine degradation at initial neutral pH. <i>Chemical Engineering Journal</i> , 2019, 368, 541-552.	12.7	35
27	Degradation of ciprofloxacin by cryptomelane-type manganese(III/IV) oxides. <i>Environmental Science and Pollution Research</i> , 2013, 20, 10-21.	5.3	30
28	Speciation analysis of As, Sb and Se. <i>Trends in Environmental Analytical Chemistry</i> , 2016, 11, 9-22.	10.3	28
29	Sintering- and oxidation-resistant ultrasmall Cu(I)/(II) oxides supported on defect-rich mesoporous alumina microspheres boosting catalytic ozonation. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 964-978.	9.4	24
30	Advanced treatment of secondary effluent organic matters (EfOM) from an industrial park wastewater treatment plant by Fenton oxidation combining with biological aerated filter. <i>Science of the Total Environment</i> , 2021, 784, 147204.	8.0	24
31	Facile synthesis of alkaline-earth metal manganites for the efficient degradation of phenolic compounds via catalytic ozonation and evaluation of the reaction mechanism. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 164-176.	9.4	23
32	Enhanced emerging pharmaceuticals removal in wastewater after biotreatment by a low-pressure UVA/FeIII-EDDS/H ₂ O ₂ process under neutral pH conditions. <i>Chemical Engineering Journal</i> , 2019, 366, 539-549.	12.7	20
33	Fe-Mn Bimetallic Oxide-Enabled Facile Cleaning of Microfiltration Ceramic Membranes for Effluent Organic Matter Fouling Mitigation via Activation of Oxone. <i>ACS ES&T Water</i> , 2022, 2, 1234-1246.	4.6	19
34	Degradation of emerging pharmaceutical micropollutants in municipal secondary effluents by low-pressure UVC-activated HSO ₅ ⁻ and S ₂ O ₈ ²⁻ AOPs. <i>Chemical Engineering Journal</i> , 2020, 393, 124712.	12.7	18
35	Metals in water and surface sediments from Henan reaches of the Yellow River, China. <i>Science China Chemistry</i> , 2010, 53, 1217-1224.	8.2	17
36	Enhanced Fenton-like degradation of TCE in sand suspensions with magnetite by NTA/EDTA at circumneutral pH. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17598-17605.	5.3	8

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37	As and Sb speciation in relation with physico-chemical characteristics of hydrothermal waters in Java and Bali. <i>Journal of Geochemical Exploration</i> , 2017, 173, 85-91.	3.2	8
38	Oxone activation by UVA-irradiated FeIII-NTA complex: Efficacy, radicals formation and mechanism on crotamiton degradation. <i>Chemical Engineering Journal</i> , 2021, 408, 127324.	12.7	7
39	Determination of phenol degradation in chloride ion rich water by ferrate using a chromatographic method in combination with on-line mass spectrometry analysis. <i>Analytical Methods</i> , 2019, 11, 4651-4658.	2.7	6
40	Fe ³⁺ -NTA-Catalyzed Homogenous Fenton-Like Degradation of Trichloroethylene in Groundwater at Natural pH (pH ≈ 8.0): Efficacy, By-Products, and H ₂ O ₂ Utilization. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	1.4	2