Sheng-Peng Sun

List of Publications by Year
in descending order

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Version: 2024-02-01

		230014	325983
40	3,671	27	40
papers	citations	h-index	g-index

40	40	40	5066
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fe3+-NTA-Catalyzed Homogenous Fenton-Like Degradation of Trichloroethylene in Groundwater at Natural pH (â¼8.0): Efficacy, By-Products, and H2O2 Utilization. Journal of Environmental Engineering, ASCE, 2022, 148, .	0.7	2
2	Fe-Mn Bimetallic Oxide-Enabled Facile Cleaning of Microfiltration Ceramic Membranes for Effluent Organic Matter Fouling Mitigation via Activation of Oxone. ACS ES&T Water, 2022, 2, 1234-1246.	2.3	19
3	Sintering- and oxidation-resistant ultrasmall Cu(I)/(II) oxides supported on defect-rich mesoporous alumina microspheres boosting catalytic ozonation. Journal of Colloid and Interface Science, 2021, 581, 964-978.	5.0	24
4	Oxone activation by UVA-irradiated FeIII-NTA complex: Efficacy, radicals formation and mechanism on crotamiton degradation. Chemical Engineering Journal, 2021, 408, 127324.	6.6	7
5	Advanced treatment of secondary effluent organic matters (EfOM) from an industrial park wastewater treatment plant by Fenton oxidation combining with biological aerated filter. Science of the Total Environment, 2021, 784, 147204.	3.9	24
6	Nanostructured semiconductor supported iron catalysts for heterogeneous photo-Fenton oxidation: a review. Journal of Materials Chemistry A, 2020, 8, 15513-15546.	5.2	132
7	Degradation of emerging pharmaceutical micropollutants in municipal secondary effluents by low-pressure UVC-activated HSO5â˜ and S2O82â˜ AOPs. Chemical Engineering Journal, 2020, 393, 124712.	6.6	18
8	A Bimetallic Feâ€“Mn Oxide-Activated Oxone for In Situ Chemical Oxidation (ISCO) of Trichloroethylene in Groundwater: Efficiency, Sustained Activity, and Mechanism Investigation. Environmental Science & Technology, 2020, 54, 3714-3724.	4.6	72
9	Determination of phenol degradation in chloride ion rich water by ferrate using a chromatographic method in combination with on-line mass spectrometry analysis. Analytical Methods, 2019, 11, 4651-4658.	1.3	6
10	Efficient degradation of pharmaceutical micropollutants in water and wastewater by FeIII-NTA-catalyzed neutral photo-Fenton process. Science of the Total Environment, 2019, 688, 513-520.	3.9	47
11	Facile synthesis of alkaline-earth metal manganites for the efficient degradation of phenolic compounds via catalytic ozonation and evaluation of the reaction mechanism. Journal of Colloid and Interface Science, 2019, 551, 164-176.	5.0	23
12	Hydroxyl and sulfate radicals formation in UVA/FeIII-NTA/S2O82â˜ system: Mechanism and effectiveness in carbamazepine degradation at initial neutral pH. Chemical Engineering Journal, 2019, 368, 541-552.	6.6	35
13	Enhanced emerging pharmaceuticals removal in wastewater after biotreatment by a low-pressure UVA/FeIII-EDDS/H2O2 process under neutral pH conditions. Chemical Engineering Journal, 2019, 366, 539-549.	6.6	20
14	Degradation of ibuprofen in water by FeII-NTA complex-activated persulfate with hydroxylamine at neutral pH. Chemical Engineering Journal, 2018, 337, 152-160.	6.6	68
15	As(V) and Sb(V) co-adsorption onto ferrihydrite: synergistic effect of Sb(V) on As(V) under competitive conditions. Environmental Science and Pollution Research, 2018, 25, 14585-14594.	2.7	48
16	TCE degradation in groundwater by chelators-assisted Fenton-like reaction of magnetite: Sand columns demonstration. Journal of Hazardous Materials, 2018, 346, 124-132.	6.5	38
17	Comparison of metoprolol degradation by FeIII-NTA modified Fenton-like reaction in the absence and presence of manganese: Efficiency and intermediates. Chemical Engineering Journal, 2017, 313, 769-776.	6.6	37
18	Enhanced Fenton-like degradation of TCE in sand suspensions with magnetite by NTA/EDTA at circumneutral pH. Environmental Science and Pollution Research, 2017, 24, 17598-17605.	2.7	8

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19	As and Sb speciation in relation with physico-chemical characteristics of hydrothermal waters in Java and Bali. Journal of Geochemical Exploration, 2017, 173, 85-91.	1.5	8
20	Mn2+-mediated homogeneous Fenton-like reaction of Fe(III)-NTA complex for efficient degradation of organic contaminants under neutral conditions. Journal of Hazardous Materials, 2016, 313, 193-200.	6.5	70
21	Speciation analysis of As, Sb and Se. Trends in Environmental Analytical Chemistry, 2016, 11, 9-22.	5.3	28
22	Enhanced heterogeneous and homogeneous Fenton-like degradation of carbamazepine by nano-Fe3O4/H2O2 with nitrilotriacetic acid. Chemical Engineering Journal, 2014, 244, 44-49.	6.6	112
23	Degradation of ciprofloxacin by cryptomelane-type manganese(III/IV) oxides. Environmental Science and Pollution Research, 2013, 20, 10-21.	2.7	30
24	Nano-magnetite catalyzed heterogeneous Fenton-like degradation of emerging contaminants carbamazepine and ibuprofen in aqueous suspensions and montmorillonite clay slurries at neutral pH. Journal of Molecular Catalysis A, 2013, 371, 94-103.	4.8	101
25	Kinetics and mechanism of carbamazepine degradation by a modified Fenton-like reaction with ferric-nitrilotriacetate complexes. Journal of Hazardous Materials, 2013, 252-253, 155-165.	6.5	98
26	p-Nitrophenol degradation by a heterogeneous Fenton-like reaction on nano-magnetite: Process optimization, kinetics, and degradation pathways. Journal of Molecular Catalysis A, 2011, 349, 71-79.	4.8	252
27	Metals in water and surface sediments from Henan reaches of the Yellow River, China. Science China Chemistry, 2010, 53, 1217-1224.	4.2	17
28	Microwave-assisted preparation, characterization and photocatalytic properties of a dumbbell-shaped ZnO photocatalyst. Journal of Hazardous Materials, 2010, 179, 438-443.	6.5	241
29	Sequential Aeration of Membrane-Aerated Biofilm Reactors for High-Rate Autotrophic Nitrogen Removal: Experimental Demonstration. Environmental Science & Technology, 2010, 44, 7628-7634.	4.6	109
30	Effective Biological Nitrogen Removal Treatment Processes for Domestic Wastewaters with Low C/N Ratios: A Review. Environmental Engineering Science, 2010, 27, 111-126.	0.8	184
31	Fenton oxidative decolorization of the azo dye Direct Blue 15 in aqueous solution. Chemical Engineering Journal, 2009, 155, 680-683.	6.6	93
32	Decolorization of an azo dye Orange G in aqueous solution by Fenton oxidation process: Effect of system parameters and kinetic study. Journal of Hazardous Materials, 2009, 161, 1052-1057.	6.5	281
33	Preparation and photocatalytic property of a novel dumbbell-shaped ZnO microcrystal photocatalyst. Journal of Hazardous Materials, 2009, 172, 1520-1526.	6.5	229
34	Degradation of Antibiotic Ciprofloxacin Hydrochloride by Photo-Fenton Oxidation Process. Environmental Engineering Science, 2009, 26, 753-759.	0.8	50
35	Oxidative decomposition of p-nitroaniline in water by solar photo-Fenton advanced oxidation process. Journal of Hazardous Materials, 2008, 153, 187-193.	6.5	77
36	Photocatalytic degradation of Orange G on nitrogen-doped TiO2 catalysts under visible light and sunlight irradiation. Journal of Hazardous Materials, 2008, 155, 312-319.	6.5	253

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37	Degradation of azo dye Acid black 1 using low concentration iron of Fenton process facilitated by ultrasonic irradiation. Ultrasonics Sonochemistry, 2007, 14, 761-766.	3.8	139
38	Degradation of azo dye Amido black 10B in aqueous solution by Fenton oxidation process. Dyes and Pigments, 2007, 74, 647-652.	2.0	250
39	A kinetic study on the degradation of p-nitroaniline by Fenton oxidation process. Journal of Hazardous Materials, 2007, 148, 172-177.	6.5	230
40	Photocatalytic degradation and kinetics of Orange G using nano-sized Sn(IV)/TiO2/AC photocatalyst. Journal of Molecular Catalysis A, 2006, 260, 241-246.	4.8	191