Tao Zhou

List of Publications by Year
in descending order

44 papers	2,568 citations	201674 27 h-index	233421 45 g-index
45 all docs	45 docs citations	45 times ranked	2516 citing authors

#	Article	IF	Citations
1	Amplification effects of magnetic field on hydroxylamine-promoted ZVI/H2O2 near-neutral Fenton like system. Chinese Chemical Letters, 2022, 33, 1275-1278.	9.0	21
2	Strong metal-support interaction between carbon nanotubes and Mn-Fe spinel oxide in boosting peroxymonosulfate activation: Underneath mechanisms and application. Chemical Engineering Journal, 2022, 429, 132372.	12.7	42
3	Revealing the heterogeneous activation mechanism of peroxydisulfate by CuO: the critical role of surface-binding organic substrates. Science of the Total Environment, 2022, 802, 149833.	8.0	15
4	Efficient degradation of carbamazepine in a neutral sonochemical FeS/persulfate system based on the enhanced heterogeneous-homogeneous sulfur-iron cycle. Separation and Purification Technology, 2022, 282, 120041.	7.9	22
5	Rapid oxidation of 4-cholorphenol in the iron-based Metalâ€“Organic frameworks (MOFs)/H2O2 system: The ignored two-steps interfacial single-electron transfer. Separation and Purification Technology, 2022, 286, 120420.	7.9	3
6	Citric ligand manipulated efficient spatially-separated reduction and immobilization of Cr(VI) upon electron-rich copper-iron oxides. Chemical Engineering Journal, 2022, 434, 134575.	12.7	5
7	Efficient decontamination of RO concentrate in a sonochemical zero-valent iron/persulfate Fenton-like system: The molecule-size preferred degradation of dissolved organic matters. Journal of Environmental Chemical Engineering, 2022, 10, 107547.	6.7	3
8	Catalytic Oxygen Activation over the Defective CuO Nanoparticles for Ultrafast Dehalogenation. ACS Applied Materials & Interfaces, 2022, 14, 29964-29973.	8.0	5
9	Facilely tuning the intrinsic catalytic sites of the spinel oxide for peroxymonosulfate activation: From fundamental investigation to pilot-scale demonstration. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	52
10	Rational design of Z-scheme ZnFe2O4/Ag@Ag2CO3 hybrid with enhanced photocatalytic activity, stability and recovery performance for tetracycline degradation. Separation and Purification Technology, 2021, 266, 118544.	7.9	29
11	In Situ-Formed Phenoxyl Radical on the CuO Surface Triggers Efficient Persulfate Activation for Phenol Degradation. Environmental Science & Technology, 2021, 55, 15361-15370.	10.0	64
12	Ion-imprinted chitosan fiber for recovery of Pd(II): Obtaining high selectivity through selective adsorption and two-step desorption. Environmental Research, 2020, 182, 108995.	7.5	40
13	New insight in the O2 activation by nano Fe/Cu bimetals: The synergistic role of Cu(0) and Fe(II). Chinese Chemical Letters, 2020, 31, 2831-2834.	9.0	33
14	Ultrafast O2 activation by copper oxide for 2,4-dichlorophenol degradation: The size-dependent surface reactivity. Chinese Chemical Letters, 2020, 31, 2769-2773.	9.0	22
15	Synergistic degradation of sulfamethoxazole in an oxalate-enhanced Fered-Fenton system: The critical heterogeneous solid-liquid interfacial mechanism and an insight in practical application. Journal of Hazardous Materials, 2020, 392, 122268.	12.4	16
16	Visible light induced efficient activation of persulfate by a carbon quantum dots (CQDs) modified Î³-Fe2O3 catalyst. Chinese Chemical Letters, 2020, 31, 2757-2761.	9.0	49
17	Efficient decomposition of sulfamethoxazole in a novel neutral Fered-Fenton like/oxalate system based on effective heterogeneous-homogeneous iron cycle. Chinese Chemical Letters, 2019, 30, 2231-2235.	9.0	38
18	The critical role of the surface iron-oxalate complexing species in determining photochemical degradation of norfloxacin using different iron oxides. Science of the Total Environment, 2019, 697, 134220.	8.0	30

#	Article	IF	Citations
19	Catalytic oxidation of diclofenac by hydroxylamine-enhanced Cu nanoparticles and the efficient neutral heterogeneous-homogeneous reactive copper cycle. Water Research, 2019, 153, 274-283.	11.3	78
20	Efficient adsorption of Mn(II) by layered double hydroxides intercalated with diethylenetriaminepentaacetic acid and the mechanistic study. Journal of Environmental Sciences, 2019, 85, 56-65.	6.1	23
21	Rapid decomposition of diclofenac in a magnetic field enhanced zero-valent iron/EDTA Fenton-like system. Chemosphere, 2018, 193, 968-977.	8.2	40
22	Synergistic degradation of antibiotic norfloxacin in a novel heterogeneous sonochemical Fe0/tetraphosphate Fenton-like system. Ultrasonics Sonochemistry, 2017, 37, 320-327.	8.2	60
23	Distinguishing homogeneous-heterogeneous degradation of norfloxacin in a photochemical Fenton-like system (Fe 3 O 4 /UV/oxalate) and the interfacial reaction mechanism. Water Research, 2017, 119, 47-56.	11.3	131
24	Efficient sonoelectrochemical decomposition of sulfamethoxazole adopting common Pt/graphite electrodes: The mechanism and favorable pathways. Ultrasonics Sonochemistry, 2017, 38, 735-743.	8.2	28
25	Recognizing removal of norfloxacin by novel magnetic molecular imprinted chitosan/Î³-Fe2O3 composites: Selective adsorption mechanisms, practical application and regeneration. Separation and Purification Technology, 2016, 165, 92-100.	7.9	66
26	An insight in magnetic field enhanced zero-valent iron/H2O2 Fenton-like systems: Critical role and evolution of the pristine iron oxides layer. Scientific Reports, 2016, 6, 24094.	3.3	37
27	Decomposition of sulfadiazine in a sonochemical Fe0-catalyzed persulfate system: Parameters optimizing and interferences of wastewater matrix. Applied Catalysis B: Environmental, 2016, 185, 31-41.	20.2	242
28	Simulation and optimization of a coking wastewater biological treatment process by activated sludge models (ASM). Journal of Environmental Management, 2016, 165, 235-242.	7.8	66
29	A sustainable cationic chitosan/E. coli fiber biosorbent for Pt(IV) removal and recovery in batch and column systems. Separation and Purification Technology, 2015, 143, 32-39.	7.9	45
30	Selective recovery of Pd(II) from extremely acidic solution using ion-imprinted chitosan fiber: Adsorption performance and mechanisms. Journal of Hazardous Materials, 2015, 299, 10-17.	12.4	121
31	Adsorption and degradation of norfloxacin by a novel molecular imprinting magnetic Fenton-like catalyst. Chinese Journal of Chemical Engineering, 2015, 23, 1698-1704.	3.5	23
32	Comparative study of sulfamethazine degradation in visible light induced photo-Fenton and photo-Fenton-like systems. Journal of Environmental Chemical Engineering, 2015, 3, 2393-2400.	6.7	13
33	Synergistic degradation of antibiotic sulfadiazine in a heterogeneous ultrasound-enhanced Fe0/persulfate Fenton-like system. Chemical Engineering Journal, 2014, 257, 36-44.	12.7	218
34	Rapid degradation of sulfonamides in a novel heterogeneous sonophotochemical magnetite-catalyzed Fenton-like (US/UV/Fe3O4/oxalate) system. Applied Catalysis B: Environmental, 2014, 160-161, 325-334.	20.2	85
35	Aluminum-humic colloid formation during pre-coagulation for membrane water treatment: Mechanisms and impacts. Water Research, 2014, 61, 171-180.	11.3	19
36	Synergistic catalytic degradation of antibiotic sulfamethazine in a heterogeneous sonophotolytic goethite/oxalate Fenton-like system. Applied Catalysis B: Environmental, 2013, 136-137, 294-301.	20.2	96

#	Article	IF	Citations
37	Sonophotolytic degradation of azo dye reactive black 5 in an ultrasound/UV/ferric system and the roles of different organic ligands. Water Research, 2011, 45, 2915-2924.	11.3	61
38	Degradation of chlorophenols (CPs) in an ultrasound-irradiated Fenton-like system at ambient circumstance: The QSPR (quantitative structureâ€“property relationship) study. Chemical Engineering Journal, 2010, 156, 347-352.	12.7	24
39	Catalytic hydrodechlorination of chlorophenols by Pd/Fe nanoparticles: Comparisons with other bimetallic systems, kinetics and mechanism. Separation and Purification Technology, 2010, 76, 206-214.	7.9	96
40	The role and fate of EDTA in ultrasound-enhanced zero-valent iron/air system. Chemosphere, 2010, 78, 576-582.	8.2	42
41	Rapid decolorization and mineralization of simulated textile wastewater in a heterogeneous Fenton like system with/without external energy. Journal of Hazardous Materials, 2009, 165, 193-199.	12.4	74
42	Simultaneous degradation of 4CP and EDTA in a heterogeneous Ultrasound/Fenton like system at ambient circumstance. Separation and Purification Technology, 2009, 68, 367-374.	7.9	52
43	Oxidation of 4-chlorophenol in a heterogeneous zero valent iron/H2O2 Fenton-like system: Kinetic, pathway and effect factors. Separation and Purification Technology, 2008, 62, 551-558.	7.9	227
44	Enhanced degradation of 2,4-dichlorophenol by ultrasound in a new Fenton like system (Fe/EDTA) at ambient circumstance. Ultrasonics Sonochemistry, 2008, 15, 782-790.	8.2	109