Jia-Cheng E Yang

List of Publications by Year
in descending order

29	1,120	489802 18	536525 29
papers	citations	h-index	g-index

29	29	29	1300
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interplay of bicarbonate and the oxygen-containing groups of carbon nanotubes dominated the metal-free activation of peroxymonosulfate. Chemical Engineering Journal, 2022, 430, 133102.	6.6	17
2	MOFs-derived magnetic hierarchically porous CoFe2O4-Co3O4 nanocomposite for interfacial radicals-induced catalysis to degrade chloramphenicol: Structure, performance and degradation pathway. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127859.	2.3	11
3	Spatially isolated CoNx quantum dots on carbon nanotubes enable a robust radical-free Fenton-like process. Chemical Communications, 2022, 58, 451-454.	2.2	5
4	Deciphering the simultaneous removal of carbamazepine and metronidazole by monolithic Co2AlO4@Al2O3 activated peroxymonosulfate. Chemical Engineering Journal, 2022, 436, 135201.	6.6	13
5	Engineered Co2AlO4/CoAl2O4@Al2O3 monolithic catalysts for peroxymonosulfate activation: Co3+/Co2+ and ODefect/OLattice ratios dependence and mechanism. Chemical Engineering Journal, 2021, 409, 128162.	6.6	47
6	Magnetic CoFe2O4 nanocrystals derived from MIL-101 (Fe/Co) for peroxymonosulfate activation toward degradation of chloramphenicol. Chemosphere, 2021, 272, 129567.	4.2	49
7	The mechanistic difference of 1T-2H MoS2 homojunctions in persulfates activation: Structure-dependent oxidation pathways. Applied Catalysis B: Environmental, 2021, 297, 120460.	10.8	73
8	Nanocrystalline ferrihydrite activated peroxymonosulfate for butyl-4-hydroxybenzoate oxidation: Performance and mechanism. Chemosphere, 2020, 242, 125140.	4.2	9
9	Novel magnetic rod-like Mn-Fe oxycarbide toward peroxymonosulfate activation for efficient oxidation of butyl paraben: Radical oxidation versus singlet oxygenation. Applied Catalysis B: Environmental, 2020, 268, 118549.	10.8	108
10	Interfacial CoAl2O4 from ZIF-67@Î³-Al2O3 pellets toward catalytic activation of peroxymonosulfate for metronidazole removal. Chemical Engineering Journal, 2020, 397, 125339.	6.6	82
11	One-step fabrication of recycled Ag nanoparticles/graphene aerogel with high mechanical property for disinfection and catalytic reduction of 4-nitrophonel. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf		
12	Iron hydroxyphosphate composites derived from waste lithium-ion batteries for lead adsorption and Fenton-like catalytic degradation of methylene blue. Environmental Technology and Innovation, 2019, 16, 100504.	3.0	20
13	(MoS4)2â^' intercalated CAMoS4â‹…LDH material for the efficient and facile sequestration of antibiotics from aqueous solution. Chemical Engineering Journal, 2019, 355, 637-649.	6.6	40
14	Facile fabrication of elastic CoO@graphene aerogel for recycled degradation of chloramphenicol. Materials Letters, 2019, 240, 88-91.	1.3	15
15	Direct epitaxial synthesis of magnetic Fe3O4@UiO-66 composite for efficient removal of arsenate from water. Microporous and Mesoporous Materials, 2019, 276, 68-75.	2.2	102
16	Reduced graphene oxide and titania nanosheet cowrapped coal fly ash microspheres alternately as a novel photocatalyst for water treatment. Catalysis Today, 2018, 315, 247-254.	2.2	29
17	Magnetic responsive Fe3O4-ZIF-8 core-shell composites for efficient removal of As(III) from water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 59-68.	2.3	146
18	Novel chalcogenide based magnetic adsorbent KMS-1/L-Cystein/Fe3O4 for the facile removal of ciprofloxacin from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 378-386.	2.3	25

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19	Magnetic infrared responsive photocatalyst: fabrication, characterization, and photocatalytic performance of Î²-NaYF4:Yb3+,Tm3+/TiO2/Fe3O4@SiO2 composite. Research on Chemical Intermediates, 2018, 44, 6369-6385.	1.3	7
20	Modulating oxone-MnOx/silica catalytic systems towards ibuprofen degradation: Insights into system effects, reaction kinetics and mechanisms. Applied Catalysis B: Environmental, 2017, 205, 327-339.	10.8	80
21	Yolkâ€“shell structured CoFe2O4 microspheres as novel catalysts for peroxymonosulfate activation for efficient degradation of butyl paraben. RSC Advances, 2016, 6, 101361-101364.	1.7	22
22	Synthetic conditions-regulated catalytic Oxone efficacy of MnO x /SBA-15 towards butyl paraben (BPB) removal under heterogeneous conditions. Chemical Engineering Journal, 2016, 289, 296-305.	6.6	32
23	Poly(vinylidene fluoride) membrane supported nano zero-valent iron for metronidazole removal: Influences of calcium and bicarbonate ions. Journal of the Taiwan Institute of Chemical Engineers, 2015, 49, 113-118.	2.7	19
24	Granulous KMS-1/PAN composite for Cs⁺ removal. RSC Advances, 2015, 5, 91431-91435.	1.7	17
25	Polyvinyl pyrrolidone-modified Pd/Fe nanoparticles for enhanced dechlorination of 2,4-dichlorophenal. Desalination and Water Treatment, 2014, 52, 7925-7936.	1.0	6
26	Investigation of PAA/PVDFâ€“NZVI hybrids for metronidazole removal: Synthesis, characterization, and reactivity characteristics. Journal of Hazardous Materials, 2014, 264, 269-277.	6.5	86
27	Effects of PMMA/anisole hybrid coatings on discoloration performance of nano zerovalent iron toward organic dyes. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 937-946.	2.7	21
28	Study on the physicochemical properties of poly(methylmethacrylate) (PMMA) modified Pd/Fe nanocomposites: Roles of PMMA and PMMA/ethanol. Applied Surface Science, 2013, 282, 851-861.	3.1	11
29	Characterization and regeneration of Pd/Fe nanoparticles immobilized in modified PVDF membrane. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 386-392.	2.7	23