

Lejin Xu

List of Publications by Year in descending order

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23
papers

2,411
citations

567281

15
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

2449
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Nanoscaled Fe ₃ O ₄ /CeO ₂ Composite as an Efficient Fenton-Like Heterogeneous Catalyst for Degradation of 4-Chlorophenol. <i>Environmental Science & Technology</i> , 2012, 46, 10145-10153.	10.0	960
2	A heterogeneous Fenton-like system with nanoparticulate zero-valent iron for removal of 4-chloro-3-methyl phenol. <i>Journal of Hazardous Materials</i> , 2011, 186, 256-264.	12.4	504
3	The application of graphene-based materials for the removal of heavy metals and radionuclides from water and wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1042-1105.	12.8	190
4	Nitrogen-doped graphene as peroxymonosulfate activator and electron transfer mediator for the enhanced degradation of sulfamethoxazole. <i>Chemical Engineering Journal</i> , 2019, 375, 122041.	12.7	155
5	Adsorption and degradation of sulfadiazine over nanoscale zero-valent iron encapsulated in three-dimensional graphene network through oxygen-driven heterogeneous Fenton-like reactions. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118057.	20.2	130
6	Iron-Based Dual Active Site-Mediated Peroxymonosulfate Activation for the Degradation of Emerging Organic Pollutants. <i>Environmental Science & Technology</i> , 2021, 55, 15412-15422.	10.0	92
7	Three-dimensional macroporous graphene-wrapped zero-valent copper nanoparticles as efficient micro-electrolysis-promoted Fenton-like catalysts for metronidazole removal. <i>Science of the Total Environment</i> , 2019, 658, 219-233.	8.0	72
8	Treatment of spent radioactive anionic exchange resins using Fenton-like oxidation process. <i>Chemical Engineering Journal</i> , 2016, 284, 733-740.	12.7	50
9	Disintegration and dissolution of spent radioactive cationic exchange resins using Fenton-like oxidation process. <i>Nuclear Engineering and Design</i> , 2015, 291, 101-108.	1.7	38
10	Dissolution and degradation of nuclear grade cationic exchange resin by Fenton oxidation combining experimental results and DFT calculations. <i>Chemical Engineering Journal</i> , 2019, 361, 1511-1523.	12.7	37
11	A Statistical Model and DFT Study of the Fragmentation Mechanisms of Metronidazole by Advanced Oxidation Processes. <i>Journal of Physical Chemistry A</i> , 2019, 123, 933-942.	2.5	31
12	Adsorption of Co ²⁺ and Sr ²⁺ in aqueous solution by a novel fibrous chitosan biosorbent. <i>Science of the Total Environment</i> , 2022, 825, 153998.	8.0	28
13	Nanoscale FeO/CuO bimetallic catalysts for Fenton-like oxidation of the mixture of nuclear-grade cationic and anionic exchange resins. <i>Chemosphere</i> , 2021, 269, 128763.	8.2	27
14	An enhancement of singlet oxygen generation from dissolved oxygen activated by three-dimensional graphene wrapped nZVI-doped amorphous Al species for chloramphenicol removal in the Fenton-like system. <i>Chemical Engineering Journal</i> , 2021, 425, 131497.	12.7	26
15	Construction of three-dimensional reduced graphene oxide wrapped nZVI doped with Al ₂ O ₃ as the ternary Fenton-like catalyst: Optimization, characterization and catalytic mechanism. <i>Science of the Total Environment</i> , 2021, 780, 146576.	8.0	16
16	Degradation of the mixed organic solvents of tributyl phosphate and n-dodecane by heterogeneous Fenton-like oxidation using nanoscale zero-valent iron as the catalyst. <i>Chemosphere</i> , 2022, 292, 133449.	8.2	14
17	Enhanced activation of peroxymonosulfate through exfoliated oxygen-doping graphitic carbon nitride for degradation of organic pollutants. <i>Chemical Engineering Journal</i> , 2022, 428, 131066.	12.7	11
18	Enhanced heterogeneous Fenton-like degradation of nuclear-grade cationic exchange resin by nanoscale zero-valent iron: experiments and DFT calculations. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13773-13789.	5.3	10

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19	Research Methods for the Degradation Mechanism of Organic Pollutants in Wastewater. <i>Acta Chimica Sinica</i> , 2019, 77, 705.	1.4	8
20	Degradation of the mixed nuclear-grade cationic and anionic exchange resins using Fe ²⁺ /H ⁺ homogeneous Fenton oxidation. <i>Environmental Research</i> , 2022, 212, 113400.	7.5	5
21	Reaction mechanism of chloramphenicol with hydroxyl radicals for advanced oxidation processes using DFT calculations. <i>Journal of Molecular Modeling</i> , 2020, 26, 352.	1.8	4
22	The key role of reduction process in enhancing the properties and catalytic performance of nanoscale copper particles anchored on three-dimensional macroporous graphene. <i>Separation and Purification Technology</i> , 2021, 257, 117886.	7.9	1
23	The effective removal of chloramphenicol by the reduced graphene oxide anchored nZVI/aluminum hybrid under neutral conditions. <i>E3S Web of Conferences</i> , 2021, 252, 02054.	0.5	0