

Jian Lu

List of Publications by Year in descending order

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31
papers

3,114
citations

279487

23
h-index

433756

31
g-index

31
all docs

31
docs citations

31
times ranked

2732
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances for dyes removal using novel adsorbents: A review. <i>Environmental Pollution</i> , 2019, 252, 352-365.	3.7	791
2	Superior adsorption capacity of functionalised straw adsorbent for dyes and heavy-metal ions. <i>Journal of Hazardous Materials</i> , 2020, 382, 121040.	6.5	254
3	A review of catalytic performance of metallic glasses in wastewater treatment: Recent progress and prospects. <i>Progress in Materials Science</i> , 2019, 105, 100576.	16.0	209
4	Novel cyclodextrin-based adsorbents for removing pollutants from wastewater: A critical review. <i>Chemosphere</i> , 2020, 241, 125043.	4.2	190
5	Efficiently activate peroxymonosulfate by Fe ₃ O ₄ @MoS ₂ for rapid degradation of sulfonamides. <i>Chemical Engineering Journal</i> , 2021, 422, 130126.	6.6	177
6	A Novel Multinary Intermetallic as an Active Electrocatalyst for Hydrogen Evolution. <i>Advanced Materials</i> , 2020, 32, e2000385.	11.1	169
7	Polydopamine modified cyclodextrin polymer as efficient adsorbent for removing cationic dyes and Cu ²⁺ . <i>Journal of Hazardous Materials</i> , 2020, 389, 121897.	6.5	144
8	Isotherm models for adsorption of heavy metals from water - A review. <i>Chemosphere</i> , 2022, 307, 135545.	4.2	144
9	Adsorptive removal of bisphenol A, chloroxylenol, and carbamazepine from water using a novel β -cyclodextrin polymer. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 278-285.	2.9	120
10	Compelling Rejuvenated Catalytic Performance in Metallic Glasses. <i>Advanced Materials</i> , 2018, 30, e1802764.	11.1	115
11	Enhanced removal of bisphenol A by cyclodextrin in photocatalytic systems: Degradation intermediates and toxicity evaluation. <i>Chinese Chemical Letters</i> , 2020, 31, 2623-2626.	4.8	84
12	Dramatic enhancement effects of L-cysteine on the degradation of sulfadiazine in Fe ³⁺ /CaO ₂ system. <i>Journal of Hazardous Materials</i> , 2020, 383, 121133.	6.5	76
13	Attractive In Situ Self-Reconstructed Hierarchical Gradient Structure of Metallic Glass for High Efficiency and Remarkable Stability in Catalytic Performance. <i>Advanced Functional Materials</i> , 2019, 29, 1807857.	7.8	74
14	Fe ₃ O ₄ /graphene aerogels: A stable and efficient persulfate activator for the rapid degradation of malachite green. <i>Chemosphere</i> , 2020, 251, 126402.	4.2	74
15	High-efficiency adsorption of tetracycline by cooperation of carbon and iron in a magnetic Fe/porous carbon hybrid with effective Fenton regeneration. <i>Applied Surface Science</i> , 2021, 538, 147813.	3.1	67
16	Degradation of sulfanilamide by Fenton-like reaction and optimization using response surface methodology. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 334-340.	2.9	65
17	Adsorptive removal of PPCPs from aqueous solution using carbon-based composites: A review. <i>Chinese Chemical Letters</i> , 2022, 33, 3585-3593.	4.8	53
18	The effects and mechanisms of zero-valent iron on anaerobic digestion of solid waste: A mini-review. <i>Journal of Cleaner Production</i> , 2021, 278, 123567.	4.6	52

#	ARTICLE	IF	CITATIONS
19	Characterization of a thermostable raw-starch hydrolyzing α -amylase from deep-sea thermophile <i>Geobacillus</i> sp.. <i>Protein Expression and Purification</i> , 2015, 114, 15-22.	0.6	44
20	Enhanced activation of PMS by a novel Fenton-like composite Fe ₃ O ₄ /S-WO ₃ for rapid chloroxylenol degradation. <i>Chemical Engineering Journal</i> , 2022, 446, 137067.	6.6	44
21	A novel hollow-sphere cyclodextrin nanoreactor for the enhanced removal of bisphenol A under visible irradiation. <i>Journal of Hazardous Materials</i> , 2020, 384, 121267.	6.5	37
22	Accelerated photoelectron transmission by carboxymethyl β -cyclodextrin for organic contaminants removal: An alternative to noble metal catalyst. <i>Journal of Hazardous Materials</i> , 2020, 393, 122414.	6.5	30
23	Multifunctional Antibacterial Materials for the Control of Hazardous Microbes and Chemicals: A Review. <i>ACS ES&T Water</i> , 2021, 1, 479-497.	2.3	30
24	<i>De Novo</i> Production of Plant 4-O-Deoxyflavones Baicalein and Oroxylin A from Ethanol in Crabtree-Negative Yeast. <i>ACS Synthetic Biology</i> , 2022, 11, 1600-1612.	1.9	16
25	Efficient removal of roxarsone and emerging organic contaminants by a solar light-driven in-situ Fenton system. <i>Chemical Engineering Journal</i> , 2022, 435, 132434.	6.6	15
26	Development of a responsive methanol sensor and its application in <i>Pichia pastoris</i> fermentation. <i>Biotechnology Letters</i> , 2002, 24, 643-646.	1.1	12
27	PDA-cross-linked beta-cyclodextrin: a novel adsorbent for the removal of BPA and cationic dyes. <i>Water Science and Technology</i> , 2020, 81, 2337-2350.	1.2	11
28	Optimization of nutrients for dinactin production by a marine <i>Streptomyces</i> sp. from the high latitude Arctic. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 725-732.	1.4	6
29	Combinatorial strategies for production improvement of red pigments from Antarctic fungus <i>Geomyces</i> sp. <i>Journal of Food Science</i> , 2020, 85, 3061-3071.	1.5	5
30	Bioprocess exploration for thermostable α -amylase production of a deep-sea thermophile <i>Geobacillus</i> sp. in high-temperature bioreactor. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 620-627.	1.0	3
31	Transposon insertion mutation of Antarctic psychrotrophic fungus for red pigment production adaptive to normal temperature. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2022, 49, .	1.4	3