

Yingxin Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,425
citations

218677

26
h-index

206112

48
g-index

53
all docs

53
docs citations

53
times ranked

2672
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of cesium from aqueous solution using agricultural residue "Walnut shell: Equilibrium, kinetic and thermodynamic modeling studies. <i>Water Research</i> , 2013, 47, 2563-2571.	11.3	240
2	Nitrate removal from groundwater by cooperating heterotrophic with autotrophic denitrification in a biofilm-electrode reactor. <i>Journal of Hazardous Materials</i> , 2011, 192, 1033-1039.	12.4	176
3	Biosynthesis of copper nanoparticles using <i>Shewanella loihica</i> PV-4 with antibacterial activity: Novel approach and mechanisms investigation. <i>Journal of Hazardous Materials</i> , 2018, 347, 141-149.	12.4	157
4	Insights into biofilm carriers for biological wastewater treatment processes: Current state-of-the-art, challenges, and opportunities. <i>Bioresource Technology</i> , 2019, 288, 121619.	9.6	146
5	Denitrification of nitrate contaminated groundwater with a fiber-based biofilm reactor. <i>Bioresource Technology</i> , 2009, 100, 2223-2227.	9.6	133
6	Behavior of autotrophic denitrification and heterotrophic denitrification in an intensified biofilm-electrode reactor for nitrate-contaminated drinking water treatment. <i>Bioresource Technology</i> , 2012, 107, 159-165.	9.6	108
7	Effective adsorption of Cr (VI) from aqueous solution using natural Akadama clay. <i>Journal of Colloid and Interface Science</i> , 2013, 395, 198-204.	9.4	94
8	Adsorption behavior and mechanism of Cr(VI) using Sakura waste from aqueous solution. <i>Applied Surface Science</i> , 2016, 360, 470-476.	6.1	90
9	Characteristics of heterotrophic/biofilm-electrode autotrophic denitrification for nitrate removal from groundwater. <i>Bioresource Technology</i> , 2013, 148, 121-127.	9.6	89
10	Application of aerobic granules-continuous flow reactor for saline wastewater treatment: Granular stability, lipid production and symbiotic relationship between bacteria and algae. <i>Bioresource Technology</i> , 2020, 295, 122291.	9.6	78
11	Singlet oxygen dominated peroxymonosulfate activation by CuO-CeO ₂ for organic pollutants degradation: Performance and mechanism. <i>Chemosphere</i> , 2019, 233, 549-558.	8.2	77
12	Challenges and opportunities for the biodegradation of chlorophenols: Aerobic, anaerobic and bioelectrochemical processes. <i>Water Research</i> , 2021, 193, 116862.	11.3	66
13	Adsorption of high ammonium nitrogen from wastewater using a novel ceramic adsorbent and the evaluation of the ammonium-adsorbed-ceramic as fertilizer. <i>Journal of Colloid and Interface Science</i> , 2013, 393, 264-270.	9.4	62
14	Bioelectrochemical degradation of monoaromatic compounds: Current advances and challenges. <i>Journal of Hazardous Materials</i> , 2020, 398, 122892.	12.4	62
15	Effective adsorption of Cr(VI) on mesoporous Fe-functionalized Akadama clay: Optimization, selectivity, and mechanism. <i>Applied Surface Science</i> , 2015, 344, 128-136.	6.1	58
16	Effects of salinity and COD/N on denitrification and bacterial community in dicyclic-type electrode based biofilm reactor. <i>Chemosphere</i> , 2018, 192, 328-336.	8.2	56
17	Domestic sewage treatment in a sequencing batch biofilm reactor (SBBR) with an intelligent controlling system. <i>Desalination</i> , 2011, 276, 260-265.	8.2	52
18	Degradation of microcystin-LR by highly efficient AgBr/Ag ₃ PO ₄ /TiO ₂ heterojunction photocatalyst under simulated solar light irradiation. <i>Applied Surface Science</i> , 2015, 325, 1-12.	6.1	49

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19	Microplastic abundance, characteristics and removal in large-scale multi-stage constructed wetlands for effluent polishing in northern China. <i>Chemical Engineering Journal</i> , 2022, 430, 132752.	12.7	45
20	A novel red mud adsorbent for phosphorus and diclofenac removal from wastewater. <i>Journal of Molecular Liquids</i> , 2020, 303, 112286.	4.9	44
21	Rapid recovery of inhibited denitrification with cascade Cr(VI) exposure by bio-accelerator: Characterization of chromium distributions, EPS compositions and denitrifying communities. <i>Journal of Hazardous Materials</i> , 2021, 411, 125087.	12.4	44
22	Investigation of phosphate adsorption from aqueous solution using Kanuma mud: Behaviors and mechanisms. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 355-362.	6.7	40
23	A Monte Carlo-based integrated model to optimize the cost and pollution reduction in wastewater treatment processes in a typical comprehensive industrial park in China. <i>Science of the Total Environment</i> , 2019, 647, 1-10.	8.0	34
24	Shift of bacterial community and denitrification functional genes in biofilm electrode reactor in response to high salinity. <i>Environmental Research</i> , 2020, 184, 109007.	7.5	34
25	Simultaneous removal of COD, nitrogen and phosphorus and the tridimensional microbial response in a sequencing batch biofilm reactor: with varying C/N/P ratios. <i>Biochemical Engineering Journal</i> , 2020, 154, 107215.	3.6	30
26	Application oriented bioaugmentation processes: Mechanism, performance improvement and scale-up. <i>Bioresource Technology</i> , 2022, 344, 126192.	9.6	30
27	Behavior of Cr(VI) removal from wastewater by adsorption onto HCl activated Akadama clay. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 50, 190-197.	5.3	29
28	Simultaneous removal of nitrate and chromate in groundwater by a spiral fiber based biofilm reactor. <i>Bioresource Technology</i> , 2017, 232, 278-284.	9.6	28
29	Recovery of nitrification in cadmium-inhibited activated sludge system by bio-accelerators. <i>Bioresource Technology</i> , 2016, 200, 812-819.	9.6	27
30	An electrochemically modified novel tablet porous material developed as adsorbent for phosphate removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 220, 367-374.	12.7	25
31	Nitrification recovery behavior by bio-accelerators in copper-inhibited activated sludge system. <i>Bioresource Technology</i> , 2015, 192, 748-755.	9.6	19
32	Bio-capture of Cr(VI) in a denitrification system: Electron competition, long-term performance, and microbial community evolution. <i>Journal of Hazardous Materials</i> , 2022, 432, 128697.	12.4	19
33	Application of different redox mediators induced bio-promoters to accelerate the recovery of denitrification and denitrifying functional microorganisms inhibited by transient Cr(VI) shock. <i>Journal of Hazardous Materials</i> , 2021, 420, 126664.	12.4	16
34	Self-degradation of 2-chlorophenol in a sequential cathode-anode cascade mode bioelectrochemical system. <i>Water Research</i> , 2021, 206, 117740.	11.3	16
35	Process intensification of cellulosic ethanol production by waste heat integration. <i>Chemical Engineering Research and Design</i> , 2018, 132, 115-122.	5.6	15
36	Biotransformation of 4-Hydroxybenzoic Acid under Nitrate-Reducing Conditions in a MEC Bioanode. <i>Environmental Science & Technology</i> , 2021, 55, 2067-2075.	10.0	12

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37	Formation of trihalomethanes and haloacetic acids from 2,6-dichloro-1,4-benzoquinone during chlorination: Decomposition kinetics, conversion rates, and pathways. <i>Chemosphere</i> , 2022, 291, 132729.	8.2	12
38	Optimization of electrocoagulation process parameters for enhancing phosphate removal in a biofilm-electrocoagulation system. <i>Water Science and Technology</i> , 2021, 83, 2560-2574.	2.5	11
39	Bio-immobilization and recovery of chromium using a denitrifying biofilm system: Identification of reaction zone, binding forms and end products. <i>Journal of Environmental Sciences</i> , 2023, 126, 70-80.	6.1	11
40	Impact of hydraulic retention time and current on the microbial community and denitrification genes in a continuous-flow biofilm electrode reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 933-941.	3.2	10
41	Normal temperature catalytic degradation of toluene over Pt/TiO ₂ . <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2047-2058.	2.2	10
42	Assessment of four sewage sludge treatment routes with efficient biogas utilization and heat integration. <i>Chemical Engineering Research and Design</i> , 2019, 126, 205-213.	5.6	9
43	Impact of dissolved organic matter and environmental factors on methylmercury concentrations across aquatic ecosystems inferred from a global dataset. <i>Chemosphere</i> , 2022, 294, 133713.	8.2	9
44	Highly Efficient Adsorption of Cr(VI) by Sakura Leaves from Aqueous Solution. <i>Chemistry Letters</i> , 2015, 44, 697-699.	1.3	8
45	A new insight to explore toxic Cd(II) affecting denitrification: Reaction kinetic, electron behavior and microbial community. <i>Chemosphere</i> , 2022, 305, 135419.	8.2	8
46	Fabrication of Pd/Sludge-biochar electrode with high electrochemical activity on reductive degradation of 4-chlorophenol in wastewater. <i>Environmental Research</i> , 2022, 209, 112740.	7.5	7
47	Volcanic rock-based ceramsite adsorbent for highly selective fluoride removal: function optimization and mechanism. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2263-2273.	3.2	6
48	A dicyclic-type electrode-based biofilm reactor for simultaneous nitrate and Cr(VI) reduction. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 167-172.	3.4	6
49	Spatial distribution and comprehensive evaluation of emerging organic pollutants in effluents from wastewater treatment plants in northern cities of China. , 0, 156, 20-31.		6
50	Global trends and prospects in the removal of pharmaceuticals and personal care products: A bibliometric analysis. <i>Journal of Water Process Engineering</i> , 2021, 41, 102004.	5.6	5
51	Trichloroethylene dechlorination rates, pathways, and efficiencies of ZVMg/C in aqueous solution. <i>Journal of Hazardous Materials</i> , 2021, 417, 125993.	12.4	4
52	Reinforcement of denitrification in a biofilm electrode reactor with immobilized polypyrrole/antraquinone-2,6-disulfonate composite cathode. <i>Journal of Environmental Management</i> , 2022, 315, 115203.	7.8	2
53	Recovery behavior of high ammonium inhibition in a sequencing batch biofilm reactor. <i>Bioresource Technology Reports</i> , 2020, 9, 100315.	2.7	1