

Wei Zhi

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,617
citations

471509

17
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

1778
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative response relationships between nitrogen transformation rates and nitrogen functional genes in a tidal flow constructed wetland under C/N ratio constraints. <i>Water Research</i> , 2014, 48, 32-41.	11.3	291
2	Constructed wetlands, 1991â€“2011: A review of research development, current trends, and future directions. <i>Science of the Total Environment</i> , 2012, 441, 19-27.	8.0	150
3	Methods for understanding microbial community structures and functions in microbial fuel cells: A review. <i>Bioresource Technology</i> , 2014, 171, 461-468.	9.6	145
4	Enhanced Long-Term Nitrogen Removal and Its Quantitative Molecular Mechanism in Tidal Flow Constructed Wetlands. <i>Environmental Science & Technology</i> , 2015, 49, 4575-4583.	10.0	142
5	From Hydrometeorology to River Water Quality: Can a Deep Learning Model Predict Dissolved Oxygen at the Continental Scale?. <i>Environmental Science & Technology</i> , 2021, 55, 2357-2368.	10.0	116
6	Distinct Source Water Chemistry Shapes Contrasting Concentrationâ€”Discharge Patterns. <i>Water Resources Research</i> , 2019, 55, 4233-4251.	4.2	103
7	Lead Toxicity to the Performance, Viability, And Community Composition of Activated Sludge Microorganisms. <i>Environmental Science & Technology</i> , 2015, 49, 824-830.	10.0	80
8	Association of nitrogen micro-cycle functional genes in subsurface wastewater infiltration systems. <i>Ecological Engineering</i> , 2012, 44, 269-277.	3.6	72
9	Nitrogen removal pathways in a tidal flow constructed wetland under flooded time constraints. <i>Ecological Engineering</i> , 2015, 81, 266-271.	3.6	70
10	The Shallow and Deep Hypothesis: Subsurface Vertical Chemical Contrasts Shape Nitrate Export Patterns from Different Land Uses. <i>Environmental Science & Technology</i> , 2020, 54, 11915-11928.	10.0	67
11	Distribution patterns of denitrification functional genes and microbial floras in multimedia constructed wetlands. <i>Ecological Engineering</i> , 2012, 44, 179-188.	3.6	53
12	Study of bilineage differentiation of human-bone-marrow-derived mesenchymal stem cells in oxidized sodium alginate/N-succinyl chitosan hydrogels and synergistic effects of RGD modification and low-intensity pulsed ultrasound. <i>Acta Biomaterialia</i> , 2014, 10, 2518-2528.	8.3	51
13	BMP2-encapsulated chitosan coatings on functionalized Ti surfaces and their performance in vitro and in vivo. <i>Materials Science and Engineering C</i> , 2014, 40, 1-8.	7.3	40
14	Optimal regenerative repair of large segmental bone defect in a goat model with osteoinductive calcium phosphate bioceramic implants. <i>Bioactive Materials</i> , 2022, 11, 240-253.	15.6	37
15	A bibliometric review on carbon cycling research during 1993â€“2013. <i>Environmental Earth Sciences</i> , 2015, 74, 6065-6075.	2.7	34
16	Climate Controls on River Chemistry. <i>Earth's Future</i> , 2022, 10, .	6.3	28
17	Multi-scale temporal variability in meltwater contributions in a tropical glacierized watershed. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 405-425.	4.9	27
18	Significant stream chemistry response to temperature variations in a high-elevation mountain watershed. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	16

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19	Lead removal from solution by a porous ceramisite made from bentonite, metallic iron, and activated carbon. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 814-822.	2.4	14
20	Piezoelectric Effect of Antibacterial Biomimetic Hydrogel Promotes Osteochondral Defect Repair. <i>Biomedicines</i> , 2022, 10, 1165.	3.2	12
21	Aerobic and anaerobic microbial degradation of crude (4-methylcyclohexyl)methanol in river sediments. <i>Science of the Total Environment</i> , 2016, 547, 78-86.	8.0	10
22	A novel alginate-encapsulated system to study biological response to critical-sized wear particles of UHMWPE loaded with alendronate sodium. <i>Materials Science and Engineering C</i> , 2017, 79, 679-686.	7.3	10
23	Study on critical-sized ultra-high molecular weight polyethylene wear particles loaded with alendronate sodium: in vitro release and cell response. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 56.	3.6	7
24	Enhanced Repairing of Critical-Sized Calvarial Bone Defects by Mussel-Inspired Calcium Phosphate Cement. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1852-1861.	5.2	7
25	BioRT-Flux-PIHM v1.0: a biogeochemical reactive transport model at the watershed scale. <i>Geoscientific Model Development</i> , 2022, 15, 315-333.	3.6	7
26	Review on the Fate and Mechanism of Nitrogen Pollutant Removal from Wastewater Using a Biological Filter. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 1943-1954.	1.2	6
27	Degradation of cis - and trans -(4-methylcyclohexyl) methanol in activated sludge. <i>Journal of Hazardous Materials</i> , 2016, 306, 247-256.	12.4	5
28	Response to Comment on "Enhanced Long-Term Nitrogen Removal and Its Quantitative Molecular Mechanism in Tidal Flow Constructed Wetlands". <i>Environmental Science & Technology</i> , 2015, 49, 11243-11244.	10.0	3
29	Spatiotemporal Drivers of Hydrochemical Variability in a Tropical Glacierized Watershed in the Andes. <i>Water Resources Research</i> , 2021, 57, e2020WR028722.	4.2	3
30	Guidelines for Publicly Archiving Terrestrial Model Data to Enhance Usability, Intercomparison, and Synthesis. <i>Data Science Journal</i> , 2022, 21, 3.	1.3	3
31	Constructing Gene-Enhanced Tissue Engineering for Regeneration and Repair of Osteochondral Defects. <i>Advanced Biology</i> , 2019, 3, 1900004.	3.0	1
32	Genipin-Cross-Linked Layer-by-Layer Chitosan/Hydroxyapatite Composite Rod for Bone Fracture Fixation. <i>Science of Advanced Materials</i> , 2021, 13, 364-370.	0.7	1