Wei Zhi

List of Publications by Year
in descending order

32	1,617	471509 17	414414 32
papers	citations	h-index	g-index

37	37	37	1778
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal regenerative repair of large segmental bone defect in a goat model with osteoinductive calcium phosphate bioceramic implants. Bioactive Materials, 2022, 11, 240-253.	15.6	37
2	BioRT-Flux-PIHM v1.0: a biogeochemical reactive transport model at the watershed scale. Geoscientific Model Development, 2022, 15, 315-333.	3.6	7
3	Guidelines for Publicly Archiving Terrestrial Model Data to Enhance Usability, Intercomparison, and Synthesis. Data Science Journal, 2022, 21, 3.	1.3	3
4	Climate Controls on River Chemistry. Earth's Future, 2022, 10, .	6.3	28
5	Piezoelectric Effect of Antibacterial Biomimetic Hydrogel Promotes Osteochondral Defect Repair. Biomedicines, 2022, 10, 1165.	3.2	12
6	From Hydrometeorology to River Water Quality: Can a Deep Learning Model Predict Dissolved Oxygen at the Continental Scale?. Environmental Science & Technology, 2021, 55, 2357-2368.	10.0	116
7	Genipin-Cross-Linked Layer-by-Layer Chitosan/Hydroxyapatite Composite Rod for Bone Fracture Fixation. Science of Advanced Materials, 2021, 13, 364-370.	0.7	1
8	Spatiotemporal Drivers of Hydrochemical Variability in a Tropical Glacierized Watershed in the Andes. Water Resources Research, 2021, 57, e2020WR028722.	4.2	3
9	The Shallow and Deep Hypothesis: Subsurface Vertical Chemical Contrasts Shape Nitrate Export Patterns from Different Land Uses. Environmental Science & Technology, 2020, 54, 11915-11928.	10.0	67
10	Significant stream chemistry response to temperature variations in a high-elevation mountain watershed. Communications Earth & Environment, 2020, 1, .	6.8	16
11	Constructing Geneâ€Enhanced Tissue Engineering for Regeneration and Repair of Osteochondral Defects. Advanced Biology, 2019, 3, 1900004.	3.0	1
12	Multi-scale temporal variability in meltwater contributions in a tropical glacierized watershed. Hydrology and Earth System Sciences, 2019, 23, 405-425.	4.9	27
13	Distinct Source Water Chemistry Shapes Contrasting Concentrationâ€Discharge Patterns. Water Resources Research, 2019, 55, 4233-4251.	4.2	103
14	Enhanced Repairing of Critical-Sized Calvarial Bone Defects by Mussel-Inspired Calcium Phosphate Cement. ACS Biomaterials Science and Engineering, 2018, 4, 1852-1861.	5.2	7
15	Study on critical-sized ultra-high molecular weight polyethylene wear particles loaded with alendronate sodium: in vitro release and cell response. Journal of Materials Science: Materials in Medicine, 2017, 28, 56.	3.6	7
16	A novel alginate-encapsulated system to study biological response to critical-sized wear particles of UHMWPE loaded with alendronate sodium. Materials Science and Engineering C, 2017, 79, 679-686.	7.3	10
17	Review on the Fate and Mechanism of Nitrogen Pollutant Removal from Wastewater Using a Biological Filter. Polish Journal of Environmental Studies, 2017, 26, 1943-1954.	1.2	6
18	Aerobic and anaerobic microbial degradation of crude (4-methylcyclohexyl)methanol in river sediments. Science of the Total Environment, 2016, 547, 78-86.	8.0	10

#	Article	IF	Citations
19	Degradation of cis - and trans -(4-methylcyclohexyl) methanol in activated sludge. Journal of Hazardous Materials, 2016, 306, 247-256.	12.4	5
20	Lead Toxicity to the Performance, Viability, And Community Composition of Activated Sludge Microorganisms. Environmental Science & Technology, 2015, 49, 824-830.	10.0	80
21	Lead removal from solution by a porous ceramisite made from bentonite, metallic iron, and activated carbon. Environmental Science: Water Research and Technology, 2015, 1, 814-822.	2.4	14
22	A bibliometric review on carbon cycling research during 1993â€“2013. Environmental Earth Sciences, 2015, 74, 6065-6075.	2.7	34
23	Nitrogen removal pathways in a tidal flow constructed wetland under flooded time constraints. Ecological Engineering, 2015, 81, 266-271.	3.6	70
24	Enhanced Long-Term Nitrogen Removal and Its Quantitative Molecular Mechanism in Tidal Flow Constructed Wetlands. Environmental Science & Technology, 2015, 49, 4575-4583.	10.0	142
25	Response to Comment on â€œEnhanced Long-Term Nitrogen Removal and Its Quantitative Molecular Mechanism in Tidal Flow Constructed Wetlandsâ€• Environmental Science & Technology, 2015, 49, 11243-11244.	10.0	3
26	BMP2-encapsulated chitosan coatings on functionalized Ti surfaces and their performance in vitro and in vivo. Materials Science and Engineering C, 2014, 40, 1-8.	7.3	40
27	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. Acta Biomaterialia, 2014, 10, 2518-2528.	8.3	51
28	Quantitative response relationships between nitrogen transformation rates and nitrogen functional genes in a tidal flow constructed wetland under C/N ratio constraints. Water Research, 2014, 64, 32-41.	11.3	291
29	Methods for understanding microbial community structures and functions in microbial fuel cells: A review. Bioresource Technology, 2014, 171, 461-468.	9.6	145
30	Distribution patterns of denitrification functional genes and microbial floras in multimedia constructed wetlands. Ecological Engineering, 2012, 44, 179-188.	3.6	53
31	Association of nitrogen micro-cycle functional genes in subsurface wastewater infiltration systems. Ecological Engineering, 2012, 44, 269-277.	3.6	72
32	Constructed wetlands, 1991â€“2011: A review of research development, current trends, and future directions. Science of the Total Environment, 2012, 441, 19-27.	8.0	150