

Wenming Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

464
citations

687363
13
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20
g-index

34
all docs

34
docs citations

34
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Bubble characteristics of air–water bubbly jets in crossflow. <i>International Journal of Multiphase Flow</i> , 2013, 55, 156-171.	3.4	53
2	Toxicity mechanism of silver nanoparticles to <i>Chlamydomonas reinhardtii</i> : photosynthesis, oxidative stress, membrane permeability, and ultrastructure analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 15032-15042.	5.3	35
3	Occurrence, distribution, and ecological risk of pharmaceuticals in a seasonally ice-sealed river: From ice formation to melting. <i>Journal of Hazardous Materials</i> , 2020, 389, 122083.	12.4	32
4	Effects of Drop Structures and Pump Station on Sewer Air Pressure and Hydrogen Sulfide: Field Investigation. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, 04018011.	1.4	24
5	Transverse Mixing in an Unregulated Northern River. <i>Journal of Hydraulic Engineering</i> , 2011, 137, 1426-1440.	1.5	22
6	Near-Field Mixing Downstream of a Multiport Diffuser in a Shallow River. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 230-240.	1.4	22
7	Use of Air Circulation Pipes in Deep Dropshafts for Reducing Air Induction into Sanitary Sewers. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, 04015092.	1.4	22
8	Air Movement Induced by Water Flow with a Hydraulic Jump in Changing Slope Pipes. <i>Journal of Hydraulic Engineering</i> , 2017, 143, .	1.5	20
9	A new model for the terminal settling velocity of microplastics. <i>Marine Pollution Bulletin</i> , 2022, 176, 113449.	5.0	20
10	Impact of tidally induced residual circulations on chemical oxygen demand (COD) distribution in Laizhou Bay, China. <i>Marine Pollution Bulletin</i> , 2020, 151, 110811.	5.0	19
11	Trajectories of Air-Water Bubbly Jets in Crossflows. <i>Journal of Hydraulic Engineering</i> , 2014, 140, .	1.5	17
12	Flow Structures in the Vicinity of a Submerged Boulder within a Boulder Array. <i>Journal of Hydraulic Engineering</i> , 2017, 143, .	1.5	17
13	A new LID spatial allocation optimization system at neighborhood scale: Integrated SWMM with PICEA-g using MATLAB as the platform. <i>Science of the Total Environment</i> , 2022, 831, 154843.	8.0	17
14	Defense pathways of <i>Chlamydomonas reinhardtii</i> under silver nanoparticle stress: Extracellular biosorption, internalization and antioxidant genes. <i>Chemosphere</i> , 2022, 291, 132764.	8.2	15
15	Mean and Turbulent Bubble Velocities in Free Hydraulic Jumps for Small to Intermediate Froude Numbers. <i>Journal of Hydraulic Engineering</i> , 2014, 140, .	1.5	13
16	Far-field properties of aerated water jets in air. <i>International Journal of Multiphase Flow</i> , 2015, 76, 158-167.	3.4	12
17	Evaluating Dam Water Release Strategies for Migrating Adult Salmon Using Computational Fluid Dynamic Modeling and Biotelemetry. <i>Water Resources Research</i> , 2021, 57, e2020WR028981.	4.2	10
18	2D black phosphorus and tungsten trioxide heterojunction for enhancing photocatalytic performance in visible light. <i>RSC Advances</i> , 2020, 10, 27538-27551.	3.6	9

#	ARTICLE	IF	CITATIONS
19	Statistical analysis of sewer odour based on 10-year complaint data. Water Science and Technology, 2020, 81, 1221-1230.	2.5	9
20	Land cover based simulation of urban stormwater runoff and pollutant loading. Journal of Environmental Management, 2022, 303, 114147.	7.8	9
21	Using an integrative research approach to improve fish migrations in regulated rivers: a case study on Pacific Salmon in the Seton River, Canada. Hydrobiologia, 2022, 849, 385-405.	2.0	8
22	Exploring the dynamics of Cu transported from the Yangtze River to the East China Sea. Marine Pollution Bulletin, 2020, 156, 111250.	5.0	8
23	Antibiotics in fish caught from ice-sealed waters: Spatial and species variations, tissue distribution, bioaccumulation, and human health risk. Science of the Total Environment, 2022, 821, 153354.	8.0	8
24	The pH dependence and role of fluorinated substituent of enoxacin binding to ferrihydrite. Science of the Total Environment, 2022, 823, 153707.	8.0	8
25	Toward More Resilient Urban Stormwater Management Systems—Bridging the Gap From Theory to Implementation. Frontiers in Water, 2021, 3, .	2.3	7
26	Nitrous oxide emission from stormwater biofilters in alternating dry and wet weather. Environmental Research, 2020, 191, 110137.	7.5	6
27	Computational study of bubbly jets in stagnant water. Journal of Hydrodynamics, 2019, 31, 1021-1033.	3.2	5
28	Experimental Study of the Hydraulic Performance of Continuous Transverse Grates. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, .	1.0	4
29	Emission of Hydrogen Sulfide from Falling Droplets in Sewage Drop Structures. Journal of Environmental Engineering, ASCE, 2020, 146, 04020135.	1.4	3
30	Hydrodynamic and dissolved oxygen transport characteristics of an upper and lower water exchange device with regular waves. Ocean Engineering, 2022, 249, 110916.	4.3	3
31	Using a fish entrainment model assistant in a reservoir operation in China. Journal of Hydroinformatics, 2022, 24, 765-782.	2.4	3
32	Field monitoring and design optimization of dropshafts with air circulation pipes. Journal of Hydro-Environment Research, 2019, 22, 57-69.	2.2	2
33	Effective removal of Sb(V) from aqueous solutions by electrocoagulation with composite scrap iron-manganese as an anode. Environmental Science and Pollution Research, 2022, 29, 58088-58096.	5.3	2
34	Transport with Jets and Plumes of Chemicals in the Environment. , 2012, , 141-174.		0