

# Wenming Zhang

## List of Publications by Year in descending order

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34  
papers

464  
citations

686830

13  
h-index

752256

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.	1.6	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.	2.7	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.	6.5	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.	0.7	24
5	Transverse Mixing in an Unregulated Northern River. <i>Journal of Hydraulic Engineering</i> , 2011, 137, 1426-1440.	0.7	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.	0.7	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.	0.7	22
8	Air Movement Induced by Water Flow with a Hydraulic Jump in Changing Slope Pipes. <i>Journal of Hydraulic Engineering</i> , 2017, 143, .	0.7	20
9	A new model for the terminal settling velocity of microplastics. <i>Marine Pollution Bulletin</i> , 2022, 176, 113449.	2.3	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.	2.3	19
11	Trajectories of Air-Water Bubbly Jets in Crossflows. <i>Journal of Hydraulic Engineering</i> , 2014, 140, .	0.7	17
12	Flow Structures in the Vicinity of a Submerged Boulder within a Boulder Array. <i>Journal of Hydraulic Engineering</i> , 2017, 143, .	0.7	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.	3.9	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.	4.2	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, .	0.7	13
16	Far-field properties of aerated water jets in air. <i>International Journal of Multiphase Flow</i> , 2015, 76, 158-167.	1.6	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.	1.7	10
18	2D black phosphorus and tungsten trioxide heterojunction for enhancing photocatalytic performance in visible light. <i>RSC Advances</i> , 2020, 10, 27538-27551.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Statistical analysis of sewer odour based on 10-year complaint data. <i>Water Science and Technology</i> , 2020, 81, 1221-1230.	1.2	9
20	Land cover based simulation of urban stormwater runoff and pollutant loading. <i>Journal of Environmental Management</i> , 2022, 303, 114147.	3.8	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. <i>Hydrobiologia</i> , 2022, 849, 385-405.	1.0	8
22	Exploring the dynamics of Cu transported from the Yangtze River to the East China Sea. <i>Marine Pollution Bulletin</i> , 2020, 156, 111250.	2.3	8
23	Antibiotics in fish caught from ice-sealed waters: Spatial and species variations, tissue distribution, bioaccumulation, and human health risk. <i>Science of the Total Environment</i> , 2022, 821, 153354.	3.9	8
24	The pH dependence and role of fluorinated substituent of enoxacin binding to ferrihydrite. <i>Science of the Total Environment</i> , 2022, 823, 153707.	3.9	8
25	Toward More Resilient Urban Stormwater Management Systems—Bridging the Gap From Theory to Implementation. <i>Frontiers in Water</i> , 2021, 3, .	1.0	7
26	Nitrous oxide emission from stormwater biofilters in alternating dry and wet weather. <i>Environmental Research</i> , 2020, 191, 110137.	3.7	6
27	Computational study of bubbly jets in stagnant water. <i>Journal of Hydrodynamics</i> , 2019, 31, 1021-1033.	1.3	5
28	Experimental Study of the Hydraulic Performance of Continuous Transverse Grates. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, .	0.6	4
29	Emission of Hydrogen Sulfide from Falling Droplets in Sewage Drop Structures. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, 04020135.	0.7	3
30	Hydrodynamic and dissolved oxygen transport characteristics of an upper and lower water exchange device with regular waves. <i>Ocean Engineering</i> , 2022, 249, 110916.	1.9	3
31	Using a fish entrainment model assistant in a reservoir operation in China. <i>Journal of Hydroinformatics</i> , 2022, 24, 765-782.	1.1	3
32	Field monitoring and design optimization of dropshafts with air circulation pipes. <i>Journal of Hydro-Environment Research</i> , 2019, 22, 57-69.	1.0	2
33	Effective removal of Sb(V) from aqueous solutions by electrocoagulation with composite scrap iron-manganese as an anode. <i>Environmental Science and Pollution Research</i> , 2022, 29, 58088-58096.	2.7	2
34	Transport with Jets and Plumes of Chemicals in the Environment. , 2012, , 141-174.		0