Jie Zhang

List of Publications by Year
in descending order

21 papers	404 citations	759233 12 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	369 citing authors

#	Article	IF	Citations
1	Emerging Applications of Computational Fluid Dynamics in Water Treatment. Journal of Environmental Engineering, ASCE, 2020, 146, 02020003.	1.4	0
2	Evaluating reactor hydraulics in a cost‐effective and environment‐friendly way: Numerical tracer study. AWWA Water Science, 2019, 1, e1163.	2.1	5
3	Impacts of Flow and Tracer Release Unsteadiness on Tracer Analysis of Water and Wastewater Treatment Facilities. Journal of Hydraulic Engineering, 2019, 145, .	1.5	16
4	Extent, capacity and possibilities of computational fluid dynamics as a design tool for pump intakes: a review. Water Science and Technology: Water Supply, 2018, 18, 1518-1530.	2.1	3
5	Residence Time Analysis and Unsteady Flow Effects in an Oxidation Ditch. , 2018, , .		1
6	Rapid Analysis of Effluent Water Quality in Activated Sludge Systems Using Computational Fluid Dynamics. , 2017, , .		2
7	Improving the Hydraulic Performance of a Waste Stabilization Pond via Inlet Retrofit. , 2017, , .		0
8	Impact of sludge layer geometry on the hydraulic performance of a waste stabilization pond. Water Research, 2016, 99, 253-262.	11.3	27
9	Indicators for technological, environmental and economic sustainability of ozone contactors. Water Research, 2016, 101, 606-616.	11.3	26
10	Impact of Sludge Layer Geometry on the Hydraulic Performance of a Waste Stabilization Pond. , 2016, , .		0
11	Rapid Analysis of Disinfection Efficiency Through Computational Fluid Dynamics. Journal - American Water Works Association, 2016, 108, .	0.3	7
12	Use of physical and biological process models to understand the performance of tubular anaerobic digesters. Biochemical Engineering Journal, 2016, 107, 35-44.	3.6	25
13	Environmental and economic sustainability of ion exchange drinking water treatment for organics removal. Journal of Cleaner Production, 2015, 104, 413-421.	9.3	52
14	Development and validation of a novel modeling framework integrating ion exchange and resin regeneration for water treatment. Water Research, 2015, 84, 255-265.	11.3	18
15	Evaluation of Large Eddy Simulation and RANS for Determining Hydraulic Performance of Disinfection Systems for Water Treatment. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	1.5	17
16	Evaluating hydraulic and disinfection efficiencies of a full-scale ozone contactor using a RANS-based modeling framework. Water Research, 2014, 52, 155-167.	11.3	52
17	Developments in computational fluid dynamics-based modeling for disinfection technologies over the last two decades: A review. Environmental Modelling and Software, 2014, 58, 71-85.	4.5	67
18	Hydraulic Efficiency in RANS of the Flow in Multichambered Contactors. Journal of Hydraulic Engineering, 2013, 139, 1150-1157.	1.5	26

#	Article	IF	Citations
19	Reynolds-Averaged Navier-Stokes Simulation of the Flow and Tracer Transport in a Multichambered Ozone Contactor. Journal of Environmental Engineering, ASCE, 2013, 139, 450-454.	1.4	31
20	Taenia eggs in a stabilization pond system with poor hydraulics: concern for human cysticercosis?. Water Science and Technology, 2013, 68, 2698-2703.	2.5	27
21	Approaches for estimating mixing time in a water storage tank. Water Science and Technology: Water Supply, 0, , .	2.1	2