

Robert M Clark

List of Publications by Year in descending order

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39
papers

1,817
citations

331670

21
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

772
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Chlorine Residuals in Drinking Water Distribution Systems. Journal of Environmental Engineering, ASCE, 1994, 120, 803-820.	1.4	384
2	Kinetics of chlorine decay. Journal - American Water Works Association, 1997, 89, 54-65.	0.3	192
3	Chlorine Demand and TTHM Formation Kinetics: A Second-Order Model. Journal of Environmental Engineering, ASCE, 1998, 124, 16-24.	1.4	147
4	A model for chlorine concentration decay in pipes. Water Research, 1993, 27, 1715-1724.	11.3	117
5	Modeling Distribution System Water Quality; Dynamic Approach. Journal of Water Resources Planning and Management - ASCE, 1988, 114, 295-312.	2.6	88
6	Modeling Distribution System Water Quality: Regulatory Implications. Journal of Water Resources Planning and Management - ASCE, 1995, 121, 423-428.	2.6	77
7	Cost Models for Water Supply Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2002, 128, 312-321.	2.6	77
8	Modeling Contaminant Propagation in Drinking Water Distribution Systems. Journal of Environmental Engineering, ASCE, 1993, 119, 349-364.	1.4	75
9	Algorithm for Mixing Problems in Water Systems. Journal of Hydraulic Engineering, 1985, 111, 206-219.	1.5	71
10	Protecting the Nation's Critical Infrastructure: The Vulnerability of U.S. Water Supply Systems. Journal of Contingencies and Crisis Management, 2000, 8, 73-80.	2.8	62
11	Predicting the Formation of Chlorinated and Brominated By-Products. Journal of Environmental Engineering, ASCE, 2001, 127, 493-501.	1.4	61
12	Characterizing Pipe Wall Demand: Implications for Water Quality Modeling. Journal of Water Resources Planning and Management - ASCE, 2005, 131, 208-217.	2.6	51
13	Contaminant Propagation in Distribution Systems. Journal of Environmental Engineering, ASCE, 1988, 114, 929-943.	1.4	42
14	Locating Monitoring Stations in Water Distribution Systems. Journal - American Water Works Association, 1991, 83, 60-66.	0.3	38
15	Analysis of Inactivation of Giardia Lamblia by Chlorine. Journal of Environmental Engineering, ASCE, 1989, 115, 80-90.	1.4	34
16	Modeling Water Quality in Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 1988, 114, 197-209.	2.6	30
17	Field Testing Distribution Water Quality Models. Journal - American Water Works Association, 1991, 83, 67-75.	0.3	30
18	Development of a Ct equation for the inactivation of Cryptosporidium oocysts with ozone. Water Research, 2002, 36, 3141-3149.	11.3	27

#	ARTICLE	IF	CITATIONS
19	Measuring and Modeling Variations in Distribution System Water Quality. Journal - American Water Works Association, 1990, 82, 46-53.	0.3	26
20	Development of a Ct equation for the inactivation of Cryptosporidium oocysts with chlorine dioxide. Water Research, 2003, 37, 2773-2783.	11.3	22
21	Chlorine fate and transport in distribution systems: Experimental and modeling studies. Journal - American Water Works Association, 2010, 102, 144-155.	0.3	21
22	A Simulating Cost and Quality in Water Distribution. Journal of Water Resources Planning and Management - ASCE, 1985, 111, 454-466.	2.6	19
23	Protecting Water Supply Critical Infrastructure: An Overview. , 2014, , 29-85.		17
24	The USEPA's distribution system water quality modelling program: a historical perspective. Water and Environment Journal, 2015, 29, 320-330.	2.2	15
25	Condition assessment modeling for distribution systems using shared frailty analysis. Journal - American Water Works Association, 2010, 102, 81-91.	0.3	14
26	Removal of Cryptosporidium parvum Oocysts by Rapid Sand Filtration with Ballasted Flocculation-Filtration and Intermediate Downwashes. Clean - Soil, Air, Water, 2005, 33, 355-364.	0.6	13
27	Protecting water and wastewater utilities from cyber-physical threats. Water and Environment Journal, 2018, 32, 384-391.	2.2	12
28	Developing and Applying the Water Supply Simulation Model. Journal - American Water Works Association, 1986, 78, 61-65.	0.3	10
29	Chlorine fate and transport in drinking water distribution systems: Results from experimental and modeling studies. Frontiers of Earth Science, 2011, 5, 334.	2.1	10
30	Securing water and wastewater systems: global perspectives. Water and Environment Journal, 2014, 28, 449-458.	2.2	7
31	A spatial costing system for drinking water. Journal - American Water Works Association, 1982, 74, 18-26.	0.3	5
32	Adapting water treatment design and operations to the impacts of global climate change. Frontiers of Earth Science, 2011, 5, 363-370.	2.1	5
33	Securing Water and Wastewater Systems: An Overview. , 2011, , 1-25.		5
34	Determination of volatilisation rate constants of trihalomethanes from heated distilled and finished tap water. Water and Environment Journal, 2017, 31, 252-261.	2.2	4
35	Evaluating the risk of water distribution system failure: A shared frailty model. Frontiers of Earth Science, 2011, 5, 400-405.	2.1	3
36	Tracer Dispersion Studies for Hydraulic Characterization of Pipes. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
37	The importance of temperature on Henry's law solubility constants: Removing trihalomethanes by aeration. <i>AWWA Water Science</i> , 2020, 2, e1168.	2.1	2
38	Drinking Water Treatment and Distribution Systems: Their Role in Reducing Risks and Protecting Public Health. , 2019, , 157-172.		1
39	The Impacts of Global Climate Change on Water Treatment Design and Operations. , 2014, , 251-272.		1