

Jonathan B Butcher

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

690
citations

623574

14
h-index

552653

26
g-index

31
all docs

31
docs citations

31
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of climate change effects on practices for mitigating water quality impacts. Journal of Water and Climate Change, 2022, 13, 1684-1705.	1.2	4
2	Efficient statistical approach to develop intensity-duration-frequency curves for precipitation and runoff under future climate. Climatic Change, 2021, 164, 1-3.	1.7	14
3	A coupled hydrodynamic (<scp>HECâ€RAS 2D</scp>) and water quality model (<scp>WASP</scp>) for simulating <scp>floodâ€induced</scp> soil, sediment, and contaminant transport. Journal of Flood Risk Management, 2021, 14, 1-17.	1.6	23
4	Storm Intensification: Implications for Environmental Design in Maryland. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	2
5	Modeling the Effects of Future Hydroclimatic Conditions on Microbial Water Quality and Management Practices in Two Agricultural Watersheds. Transactions of the ASABE, 2020, 63, 753-770.	1.1	4
6	Adapting urban best management practices for resilience to longâ€term environmental changes. Water Environment Research, 2020, 92, 2178-2192.	1.3	4
7	Integration of SWAT and HSPF for Simulation of Sediment Sources in Legacy Sedimentâ€Impacted Agricultural Watersheds. Journal of the American Water Resources Association, 2019, 55, 497-510.	1.0	12
8	Agricultural Best Management Practice Sensitivity to Changing Air Temperature and Precipitation. Transactions of the ASABE, 2019, 62, 1021-1033.	1.1	5
9	Simulated Sensitivity of Urban Green Infrastructure Practices to Climate Change. Earth Interactions, 2018, 22, 1-37.	0.7	33
10	Cohort-based multiscale analysis of hemodynamic-driven growth and remodeling of the embryonic pharyngeal arch arteries. Development (Cambridge), 2018, 145, .	1.2	10
11	Estimating future temperature maxima in lakes across the United States using a surrogate modeling approach. PLoS ONE, 2017, 12, e0183499.	1.1	7
12	Sensitivity of lake thermal and mixing dynamics to climate change. Climatic Change, 2015, 129, 295-305.	1.7	175
13	Projected Hydrologic Changes Under Mid-21st Century Climatic Conditions in a Sub-arctic Watershed. Water Resources Management, 2015, 29, 1467-1487.	1.9	18
14	Incorporating the effects of increased atmospheric CO2 in watershed model projections of climate change impacts. Journal of Hydrology, 2014, 513, 322-334.	2.3	45
15	Implications of Pulsed Chemical Exposures for Aquatic Life Criteria and Wastewater Permit Limits. Environmental Science & Technology, 2006, 40, 5132-5138.	4.6	71
16	TOXICITY MODELS OF PULSED COPPER EXPOSURE TO PIMEPHALES PROMELAS AND DAPHNIA MAGNA. Environmental Toxicology and Chemistry, 2006, 25, 2541.	2.2	25
17	Effects of Pulsed Contaminant Exposures on Early Life Stages of the Fathead Minnow. Archives of Environmental Contamination and Toxicology, 2005, 49, 511-519.	2.1	25
18	Improving the TMDL Process Using Watershed Risk Assessment Principles. Environmental Management, 2005, 36, 143-151.	1.2	2

#	ARTICLE	IF	CITATIONS
19	PCB Loading from Sediment in the Hudson River:Â Congener Signature Analysis of Pathways. Environmental Science & Technology, 2004, 38, 3232-3238.	4.6	14
20	BUILDUP, WASHOFF, AND EVENT MEAN CONCENTRATIONS. Journal of the American Water Resources Association, 2003, 39, 1521-1528.	1.0	27
21	FORECASTING FUTURE LAND USE FOR WATERSHED ASSESSMENT. Journal of the American Water Resources Association, 1999, 35, 555-565.	1.0	11
22	Practical Decision Methods for Watershed Management. Human and Ecological Risk Assessment (HERA), 1999, 5, 263-274.	1.7	11
23	Toxics Zoning for Reservoir Source Water Protection. Lake and Reservoir Management, 1997, 13, 281-291.	0.4	0
24	CO-KRIGING TO INCORPORATE SCREENING DATA: HUDSON RIVER SEDIMENT PCBs. Journal of the American Water Resources Association, 1996, 32, 349-356.	1.0	6
25	Monte Carlo analysis: Classical and Bayesian applications. Human and Ecological Risk Assessment (HERA), 1996, 2, 643-649.	1.7	3
26	Dissolved-Oxygen Analysis with Temperature Dependence. Journal of Environmental Engineering, ASCE, 1995, 121, 756-759.	0.7	35
27	Estimation of Residual Dense NAPL Mass by Inverse Modeling. Ground Water, 1994, 32, 71-78.	0.7	23
28	Empirical Bayes regionalization methods for spatial stochastic processes. Water Resources Research, 1991, 27, 7-15.	1.7	8
29	Monte Carlo analysis and Bayesian decision theory for assessing the effects of waste sites on groundwater, I: Theory. Journal of Contaminant Hydrology, 1989, 5, 1-13.	1.6	34
30	Monte Carlo analysis and Bayesian decision theory for assessing the effects of waste sites on groundwater, II: Applications. Journal of Contaminant Hydrology, 1989, 5, 15-31.	1.6	26
31	POLLUTANT RUNOFF MODELS: SELECTION AND USE IN DECISION MAKING. Journal of the American Water Resources Association, 1985, 21, 185-195.	1.0	13