

David Watkins Jr

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

536
citations

840585

11
h-index

642610

23
g-index

29
all docs

29
docs citations

29
times ranked

732
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of System Dynamics Tools for Holistic Conceptualization of Water Resources Problems. <i>Water Resources Management</i> , 2012, 26, 2421-2442.	1.9	255
2	Sensitivity of flexible pavement design to Michigan's climatic inputs using pavement ME design. <i>International Journal of Pavement Engineering</i> , 2017, 18, 622-632.	2.2	35
3	Economic impacts of urban flooding in South Florida: Potential consequences of managing groundwater to prevent salt water intrusion. <i>Science of the Total Environment</i> , 2018, 621, 465-478.	3.9	29
4	MULTIPLE CRITERIA ANALYSIS FOR WATER QUALITY MANAGEMENT IN THE NITRA BASIN. <i>Journal of the American Water Resources Association</i> , 1996, 32, 937-951.	1.0	23
5	A Systems Approach to Holistic Total Maximum Daily Load Policy: Case of Lake Allegan, Michigan. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2013, 139, 544-553.	1.3	22
6	Bioenergy Development Policy and Practice Must Recognize Potential Hydrologic Impacts: Lessons from the Americas. <i>Environmental Management</i> , 2015, 56, 1295-1314.	1.2	19
7	Ecological-economic assessment of the effects of freshwater flow in the Florida Everglades on recreational fisheries. <i>Science of the Total Environment</i> , 2018, 627, 480-493.	3.9	18
8	Stochastic Programming for Improved Multiuse Reservoir Operation in Burkina Faso, West Africa. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015, 141, .	1.3	14
9	Updating and augmenting weather data for pavement mechanistic-empirical design using ASOS/AWOS database in Michigan. <i>International Journal of Pavement Engineering</i> , 2018, 19, 1025-1033.	2.2	14
10	Correlation Analysis between Temperature Indices and Flexible Pavement Distress Predictions Using Mechanistic-Empirical Design. <i>Journal of Cold Regions Engineering - ASCE</i> , 2017, 31, .	0.5	12
11	Rural water usage in East Africa: Does collection effort really impact basic access?. <i>Waterlines</i> , 2012, 31, 215-225.	0.1	12
12	Development of hybrid optimization of train schedules model for N-track rail corridors. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 67, 169-192.	3.9	11
13	Value of irrigation water usage in South Florida agriculture. <i>Science of the Total Environment</i> , 2018, 626, 486-496.	3.9	11
14	Hydrologic impacts and trade-offs associated with forest-based bioenergy development practices in a snow-dominated watershed, Wisconsin, USA. <i>Journal of Hydrology</i> , 2019, 574, 421-429.	2.3	11
15	Reproducible Results Policy. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	9
16	The importance of considering shifts in seasonal changes in discharges when predicting future phosphorus loads in streams. <i>Biogeochemistry</i> , 2015, 126, 153-172.	1.7	6
17	System Archetypes in Water Resource Management. , 2018, , .		6
18	GIS-Integrated Optimization for Locating Food Waste and Manure Anaerobic Co-digestion Facilities. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4024-4032.	3.2	6

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19	Hydrologic impacts and trade-offs associated with developing oil palm for bioenergy in Tabasco, Mexico. <i>Journal of Hydrology: Regional Studies</i> , 2020, 31, 100722.	1.0	5
20	Spatially variable hydrologic impact and biomass production tradeoffs associated with Eucalyptus (E.) Tj ETQq0 0 Q,rgBT /Overlock 10 T	2.5	4
21	Energy budget considerations for hydro-climatic impact assessment in Great Lakes watersheds. <i>Journal of Great Lakes Research</i> , 2014, 40, 940-948.	0.8	3
22	Spatiotemporal Dimensions of Water Stress Accounting: Incorporating Groundwaterâ€“Surface Water Interactions and Ecological Thresholds. <i>Environmental Science & Technology</i> , 2019, 53, 2316-2323.	4.6	3
23	Pavement performance zone based on mechanistic-empirical design and temperature indices. <i>Transportmetrica A: Transport Science</i> , 2019, 15, 91-113.	1.3	3
24	Training Water Resources Systems Engineers to Communicate: Acting on Observations from On-the-Job Practitioners. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2019, 145, 04019012.	0.9	2
25	Case for Case Studies in Water Resources Planning and Management Education. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2007, 133, 93-94.	1.3	0