

Sean W D Turner

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,162
citations

393982

19
h-index

395343

33
g-index

49
all docs

49
docs citations

49
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of hydropower at subcontinental to global scales: a state-of-the-art review. <i>Environmental Research Letters</i> , 2022, 17, 023002.	2.2	16
2	ResOpsUS, a dataset of historical reservoir operations in the contiguous United States. <i>Scientific Data</i> , 2022, 9, 34.	2.4	18
3	The Role of Regional Connections in Planning for Future Power System Operations Under Climate Extremes. <i>Earth's Future</i> , 2022, 10, .	2.4	5
4	A multi-model framework for assessing long- and short-term climate influences on the electric grid. <i>Applied Energy</i> , 2022, 317, 119193.	5.1	7
5	A simple drought risk analysis procedure to supplement water resources management planning in England and Wales. <i>Water and Environment Journal</i> , 2021, 35, 417-424.	1.0	0
6	mosartwmpy: A Python implementation of the MOSART-WM coupled hydrologic routing and water management model. <i>Journal of Open Source Software</i> , 2021, 6, 3221.	2.0	2
7	Time to Use Dendrohydrological Data in Water Resources Management?. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	6
8	A multi-reservoir model for projecting drought impacts on thermoelectric disruption risk across the Texas power grid. <i>Energy</i> , 2021, 231, 120892.	4.5	5
9	Water storage and release policies for all large reservoirs of conterminous United States. <i>Journal of Hydrology</i> , 2021, 603, 126843.	2.3	17
10	gamut: A Geospatial R Package to Analyze Multisectoral Urban Teleconnections. <i>Journal of Open Source Software</i> , 2021, 6, 3383.	2.0	1
11	Comparison of potential drinking water source contamination across one hundred U.S. cities. <i>Nature Communications</i> , 2021, 12, 7254.	5.8	33
12	Humans drive future water scarcity changes across all Shared Socioeconomic Pathways. <i>Environmental Research Letters</i> , 2020, 15, 014007.	2.2	50
13	Coherent Streamflow Variability in Monsoon Asia Over the Past Eight Centuries—Links to Oceanic Drivers. <i>Water Resources Research</i> , 2020, 56, e2020WR027883.	1.7	18
14	Impact of climate change on water availability and its propagation through the Western U.S. power grid. <i>Applied Energy</i> , 2020, 276, 115467.	5.1	38
15	Data-Driven Reservoir Simulation in a Large-Scale Hydrological and Water Resource Model. <i>Water Resources Research</i> , 2020, 56, e2020WR027902.	1.7	28
16	Inferred inflow forecast horizons guiding reservoir release decisions across the United States. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 1275-1291.	1.9	33
17	Influence of Groundwater Extraction Costs and Resource Depletion Limits on Simulated Global Nonrenewable Water Withdrawals Over the Twenty-First Century. <i>Earth's Future</i> , 2019, 7, 123-135.	2.4	61
18	A pathway of global food supply adaptation in a world with increasingly constrained groundwater. <i>Science of the Total Environment</i> , 2019, 673, 165-176.	3.9	37

#	ARTICLE	IF	CITATIONS
19	Climate impacts on hydropower in Colombia: A multi-model assessment of power sector adaptation pathways. <i>Energy Policy</i> , 2019, 128, 179-188.	4.2	51
20	Compound climate events transform electrical power shortfall risk in the Pacific Northwest. <i>Nature Communications</i> , 2019, 10, 8.	5.8	120
21	<i>gc&amdata</i>: An R Package for Preparation, Synthesis, and Tracking of Input Data for the GCAM Integrated Human-Earth Systems Model. <i>Journal of Open Research Software</i> , 2019, 7, 6.	2.7	17
22	A Global Hydrologic Framework to Accelerate Scientific Discovery. <i>Journal of Open Research Software</i> , 2019, 7, 1.	2.7	18
23	Regional responses to future, demand-driven water scarcity. <i>Environmental Research Letters</i> , 2018, 13, 094006.	2.2	30
24	Interactions between climate change mitigation and adaptation: The case of hydropower in Brazil. <i>Energy</i> , 2018, 164, 1161-1177.	4.5	45
25	Examining global electricity supply vulnerability to climate change using a high-fidelity hydropower dam model. <i>Science of the Total Environment</i> , 2017, 590-591, 663-675.	3.9	101
26	Climate impacts on hydropower and consequences for global electricity supply investment needs. <i>Energy</i> , 2017, 141, 2081-2090.	4.5	108
27	Complex relationship between seasonal streamflow forecast skill and value in reservoir operations. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4841-4859.	1.9	85
28	Influence of El Niño Southern Oscillation on global hydropower production. <i>Environmental Research Letters</i> , 2017, 12, 034010.	2.2	43
29	Risk-based water resources planning in England and Wales: challenges in execution and implementation. <i>Urban Water Journal</i> , 2016, 13, 182-197.	1.0	13
30	The method of producing climate change datasets impacts the resulting policy guidance and chance of mal-adaptation. <i>Climate Services</i> , 2016, 4, 13-29.	1.0	21
31	Regime-shifting streamflow processes: Implications for water supply reservoir operations. <i>Water Resources Research</i> , 2016, 52, 3984-4002.	1.7	28
32	Water supply sensitivity to climate change: An R package for implementing reservoir storage analysis in global and regional impact studies. <i>Environmental Modelling and Software</i> , 2016, 76, 13-19.	1.9	51
33	Industry views on water resources planning methods - prospects for change in England and Wales. <i>Water and Environment Journal</i> , 2015, 29, 161-168.	1.0	1
34	Linking climate projections to performance: A yield-based decision scaling assessment of a large urban water resources system. <i>Water Resources Research</i> , 2014, 50, 3553-3567.	1.7	54