

# Sean W D Turner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9288678/publications.pdf>

Version: 2024-02-01

34  
papers

1,162  
citations

394421

19  
h-index

395702

33  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compound climate events transform electrical power shortfall risk in the Pacific Northwest. <i>Nature Communications</i> , 2019, 10, 8.	12.8	120
2	Climate impacts on hydropower and consequences for global electricity supply investment needs. <i>Energy</i> , 2017, 141, 2081-2090.	8.8	108
3	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.	8.0	101
4	Complex relationship between seasonal streamflow forecast skill and value in reservoir operations. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4841-4859.	4.9	85
5	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.	6.3	61
6	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.	4.2	54
7	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.	4.5	51
8	Climate impacts on hydropower in Colombia: A multi-model assessment of power sector adaptation pathways. <i>Energy Policy</i> , 2019, 128, 179-188.	8.8	51
9	Humans drive future water scarcity changes across all Shared Socioeconomic Pathways. <i>Environmental Research Letters</i> , 2020, 15, 014007.	5.2	50
10	Interactions between climate change mitigation and adaptation: The case of hydropower in Brazil. <i>Energy</i> , 2018, 164, 1161-1177.	8.8	45
11	Influence of El Niño Southern Oscillation on global hydropower production. <i>Environmental Research Letters</i> , 2017, 12, 034010.	5.2	43
12	Impact of climate change on water availability and its propagation through the Western U.S. power grid. <i>Applied Energy</i> , 2020, 276, 115467.	10.1	38
13	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.	8.0	37
14	Inferred inflow forecast horizons guiding reservoir release decisions across the United States. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 1275-1291.	4.9	33
15	Comparison of potential drinking water source contamination across one hundred U.S. cities. <i>Nature Communications</i> , 2021, 12, 7254.	12.8	33
16	Regional responses to future, demand-driven water scarcity. <i>Environmental Research Letters</i> , 2018, 13, 094006.	5.2	30
17	Regime-shifting streamflow processes: Implications for water supply reservoir operations. <i>Water Resources Research</i> , 2016, 52, 3984-4002.	4.2	28
18	Data-Driven Reservoir Simulation in a Large-Scale Hydrological and Water Resource Model. <i>Water Resources Research</i> , 2020, 56, e2020WR027902.	4.2	28

#	ARTICLE	IF	CITATIONS
19	The method of producing climate change datasets impacts the resulting policy guidance and chance of mal-adaptation. Climate Services, 2016, 4, 13-29.	2.5	21
20	Coherent Streamflow Variability in Monsoon Asia Over the Past Eight Centuries—Links to Oceanic Drivers. Water Resources Research, 2020, 56, e2020WR027883.	4.2	18
21	A Global Hydrologic Framework to Accelerate Scientific Discovery. Journal of Open Research Software, 2019, 7, 1.	5.9	18
22	ResOpsUS, a dataset of historical reservoir operations in the contiguous United States. Scientific Data, 2022, 9, 34.	5.3	18
23	Water storage and release policies for all large reservoirs of conterminous United States. Journal of Hydrology, 2021, 603, 126843.	5.4	17
24	&lt;i>gcamdata&lt;/i>: An R Package for Preparation, Synthesis, and Tracking of Input Data for the GCAM Integrated Human-Earth Systems Model. Journal of Open Research Software, 2019, 7, 6.	5.9	17
25	Simulation of hydropower at subcontinental to global scales: a state-of-the-art review. Environmental Research Letters, 2022, 17, 023002.	5.2	16
26	Risk-based water resources planning in England and Wales: challenges in execution and implementation. Urban Water Journal, 2016, 13, 182-197.	2.1	13
27	A multi-model framework for assessing long- and short-term climate influences on the electric grid. Applied Energy, 2022, 317, 119193.	10.1	7
28	Time to Use Dendrohydrological Data in Water Resources Management?. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	6
29	A multi-reservoir model for projecting drought impacts on thermoelectric disruption risk across the Texas power grid. Energy, 2021, 231, 120892.	8.8	5
30	The Role of Regional Connections in Planning for Future Power System Operations Under Climate Extremes. Earth's Future, 2022, 10, .	6.3	5
31	mosartwmpy: A Python implementation of the MOSART-WM coupled hydrologic routing and water management model. Journal of Open Source Software, 2021, 6, 3221.	4.6	2
32	Industry views on water resources planning methods - prospects for change in England and Wales. Water and Environment Journal, 2015, 29, 161-168.	2.2	1
33	gamut: A Geospatial R Package to Analyze Multisectoral Urban Teleconnections. Journal of Open Source Software, 2021, 6, 3383.	4.6	1
34	A simple drought risk analysis procedure to supplement water resources management planning in England and Wales. Water and Environment Journal, 2021, 35, 417-424.	2.2	0