

Ashlynn S Stillwell

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,531
citations

23
h-index

38
g-index

72
ext. papers

1,797
ext. citations

5.9
avg, IF

5.46
L-index

#	Paper	IF	Citations
58	A water and greenhouse gas inventory for hygroscopic building-scale cooling tower operations. <i>Building and Environment</i> , 2022 , 109086	6.5	
57	Linking Reclaimed Water Consumption with Quantitative Downstream Flow Impacts. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 04021021	2.8	0
56	Quantifying tradeoffs between electricity generation and fish populations via population habitat duration curves. <i>Ecological Modelling</i> , 2021 , 440, 109373	3	4
55	What the Science and Engineering World Needs Now Is Twitter. <i>Journal of Sustainable Water in the Built Environment</i> , 2021 , 7, 01820001	2.4	2
54	Smart City Drivers and Challenges in Energy and Water Systems. <i>IEEE Potentials</i> , 2021 , 40, 6-10	1	3
53	Emerging investigator series: disaggregating residential sector high-resolution smart water meter data into appliance end-uses with unsupervised machine learning. <i>Environmental Science: Water Research and Technology</i> , 2021 , 7, 487-503	4.2	2
52	Smart City Drivers and Challenges in Urban-Mobility, Health-Care, and Interdependent Infrastructure Systems. <i>IEEE Potentials</i> , 2021 , 40, 11-16	1	7
51	A review of energy-for-water data in energy-water nexus publications. <i>Environmental Research Letters</i> , 2021 , 15, 123011	6.2	3
50	One Model Does Not Fit All: Bottom-Up Indicators of Residential Water Use Provide Limited Explanation of Urban Water Fluxes. <i>Journal of Sustainable Water in the Built Environment</i> , 2020 , 6, 04020011	2.4	1
49	A mass balance approach to urban water analysis using multi-resolution data. <i>Journal of Industrial Ecology</i> , 2020 ,	7.2	3
48	Envisioning Blue Cities: Urban Water Governance and Water Footprinting. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020 , 146, 04020001	2.8	3
47	The changing virtual water trade network of the European electric grid. <i>Applied Energy</i> , 2020 , 260, 114151	11.7	20
46	Unlocking the Impacts of COVID-19 Lockdowns: Changes in Thermal Electricity Generation Water Footprint and Virtual Water Trade in Europe. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 683-689	11	25
45	Grey water footprints of U.S. thermoelectric power plants from 2010-2016. <i>Advances in Water Resources</i> , 2020 , 145, 103733	4.7	11
44	Analyzing the economic value of thermal power plant cooling water consumption. <i>Water Resources and Economics</i> , 2019 , 27, 100137	2	6
43	Exposure of urban food-energy-water (FEW) systems to water scarcity. <i>Sustainable Cities and Society</i> , 2019 , 50, 101621	10.1	37
42	The metabolism of U.S. cities 2.0. <i>Journal of Industrial Ecology</i> , 2019 , 23, 1353-1362	7.2	9

41	Predicting rain garden performance under back-to-back rainfall conditions using stochastic life-cycle analysis. <i>Sustainable and Resilient Infrastructure</i> , 2019 , 1-13	3.3	0
40	Data Challenges and Solutions in Energy-for-Water: Experience From Two Recent Studies. <i>Journal - American Water Works Association</i> , 2019 , 111, 28-33	0.5	10
39	Reliability-Based Approach to Investigating Long-Term Clogging in Green Stormwater Infrastructure. <i>Journal of Sustainable Water in the Built Environment</i> , 2019 , 5, 04018015	2.4	9
38	The State of U.S. Urban Water: Data and the Energy-Water Nexus. <i>Water Resources Research</i> , 2018 , 54, 1796-1811	5.4	69
37	Maintaining electric grid reliability under hydrologic drought and heat wave conditions. <i>Applied Energy</i> , 2018 , 210, 538-549	10.7	25
36	Probabilistic assessment of aquatic species risk from thermoelectric power plant effluent: Incorporating biology into the energy-water nexus. <i>Applied Energy</i> , 2018 , 210, 434-450	10.7	25
35	Nutrient Reduction in Agricultural Green Infrastructure: An Analysis of the Raccoon River Watershed. <i>Water (Switzerland)</i> , 2018 , 10, 749	3	4
34	Water Temperature Duration Curves for Thermoelectric Power Plant Mixing Zone Analysis. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04018058	2.8	4
33	Defining the Role of Water Resources Systems Analysis in a Changing Future. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 01818003	2.8	9
32	Virtual water transfers of the US electric grid. <i>Nature Energy</i> , 2018 , 3, 1115-1123	62.3	51
31	Green Infrastructure Retrofits with Impervious Area Reduction by Property Type: Potential Improvements to Urban Stream Quality. <i>Journal of Sustainable Water in the Built Environment</i> , 2018 , 4, 04018012	2.4	5
30	Direct and indirect urban water footprints of the United States. <i>Water Resources Research</i> , 2017 , 53, 316-327	5.4	53
29	Water for Energy: Systems Integration and Analysis to Address Resource Challenges. <i>Current Sustainable/Renewable Energy Reports</i> , 2017 , 4, 90-98	2.8	4
28	A game theory analysis of green infrastructure stormwater management policies. <i>Water Resources Research</i> , 2017 , 53, 8003-8019	5.4	17
27	Use of Fragility Curves to Evaluate the Performance of Green Roofs. <i>Journal of Sustainable Water in the Built Environment</i> , 2017 , 3, 04017010	2.4	7
26	Where Are All the Data? The Case for a Comprehensive Water and Wastewater Utility Database. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 01816005	2.8	37
25	The Green Experiment: Cities, Green Stormwater Infrastructure, and Sustainability. <i>Sustainability</i> , 2017 , 9, 105	3.6	52
24	Quantifying Energy and Water Savings in the U.S. Residential Sector. <i>Environmental Science & Technology</i> , 2016 , 50, 9003-12	10.3	46

23	Integrating water resources and power generation: The energy-water nexus in Illinois. <i>Applied Energy</i> , 2016 , 162, 363-371	10.7	137
22	Predicting the Specific Energy Consumption of Reverse Osmosis Desalination. <i>Water (Switzerland)</i> , 2016 , 8, 601	3	39
21	An environmental cost-benefit analysis of alternative green roofing strategies. <i>Ecological Engineering</i> , 2016 , 95, 1-9	3.9	44
20	Implications of Transitioning from De Facto to Engineered Water Reuse for Power Plant Cooling. <i>Environmental Science & Technology</i> , 2016 , 50, 5379-88	10.3	18
19	Scenario Analysis of Energy and Water Trade-Offs in the Expansion of a Dual Water System. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 05016012	2.8	9
18	Sustainability of Public Policy: Example from the Energy-Water Nexus. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141,	2.8	14
17	Energy-Water Nexus: Potential Energy Savings and Implications for Sustainable Integrated Water Management in Urban Areas from Rainwater Harvesting and Gray-Water Reuse. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141,	2.8	38
16	Where does solar-aided seawater desalination make sense? A method for identifying sustainable sites. <i>Desalination</i> , 2014 , 339, 10-17	10.3	43
15	Geographic, technologic, and economic analysis of using reclaimed water for thermoelectric power plant cooling. <i>Environmental Science & Technology</i> , 2014 , 48, 4588-95	10.3	31
14	Implementation of Brackish Groundwater Desalination Using Wind-Generated Electricity: A Case Study of the Energy-Water Nexus in Texas. <i>Sustainability</i> , 2014 , 6, 758-778	3.6	28
13	Novel methodology for evaluating economic feasibility of low-water cooling technology retrofits at power plants. <i>Water Policy</i> , 2013 , 15, 292-308	1.6	20
12	Clean energy and water: assessment of Mexico for improved water services and renewable energy. <i>Environment, Development and Sustainability</i> , 2013 , 15, 1303-1321	4.5	10
11	Evaluation of power generation operations in response to changes in surface water reservoir storage. <i>Environmental Research Letters</i> , 2013 , 8, 025014	6.2	21
10	Energy return on investment for algal biofuel production coupled with wastewater treatment. <i>Water Environment Research</i> , 2012 , 84, 692-710	2.8	46
9	Using market-based dispatching with environmental price signals to reduce emissions and water use at power plants in the Texas grid. <i>Environmental Research Letters</i> , 2011 , 6, 044018	6.2	14
8	Technical analysis of a river basin-based model of advanced power plant cooling technologies for mitigating water management challenges. <i>Environmental Research Letters</i> , 2011 , 6, 034015	6.2	44
7	An integrated energy, carbon, water, and economic analysis of reclaimed water use in urban settings: a case study of Austin, Texas. <i>Journal of Water Reuse and Desalination</i> , 2011 , 1, 208-223	2.6	20
6	The Energy-Water Nexus in Texas. <i>Ecology and Society</i> , 2011 , 16,	4.1	142

5	Water Conservation and Reuse: A Case Study of the Energy-Water Nexus in Texas 2010 ,		5
4	The unintended energy impacts of increased nitrate contamination from biofuels production. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 218-24		33
3	Energy Recovery from Wastewater Treatment Plants in the United States: A Case Study of the Energy-Water Nexus. <i>Sustainability</i> , 2010 , 2, 945-962	3.6	129
2	Energy-Water Nexus in Texas. <i>SSRN Electronic Journal</i> , 2009 ,	1	4
1	Desalination and Long-Haul Water Transfer: A Case Study of the Energy-Water Nexus in Texas 2009 ,		3