James D Ward

List of Publications by Year
in descending order

43 papers	1,882 citations	331538 21 h-index	276775 41 g-index
44 all docs	44 docs citations	44 times ranked	1983 citing authors

#	Article	IF	Citations
1	Projection of world fossil fuels by country. Fuel, 2015, 141, 120-135.	3.4	445
2	Is Decoupling GDP Growth from Environmental Impact Possible?. PLoS ONE, 2016, 11, e0164733.	1.1	292
3	Vulnerability Indicators of Sea Water Intrusion. Ground Water, 2012, 50, 48-58.	0.7	159
4	Vertical greenery systems: A systematic review of research trends. Building and Environment, 2018, 146, 226-237.	3.0	95
5	Going beyond Gross Domestic Product as an indicator to bring coherence to the Sustainable Development Goals. Journal of Cleaner Production, 2020, 248, 119232.	4.6	83
6	Integrated assessment of lateral flow, density effects and dispersion in aquifer storage and recovery. Journal of Hydrology, 2009, 370, 83-99.	2.3	80
7	Current Practice and Future Challenges in Coastal Aquifer Management: Flux-Based and Trigger-Level Approaches with Application to an Australian Case Study. Water Resources Management, 2011, 25, 1831-1853.	1.9	68
8	A theoretical analysis of mixed convection in aquifer storage and recovery: How important are density effects?. Journal of Hydrology, 2007, 343, 169-186.	2.3	66
9	Can integrated aquaculture-agriculture (IAA) produce â€œmore crop per dropâ€?. Food Security, 2014, 6, 767-779.	2.4	48
10	Variable-density modelling of multiple-cycle aquifer storage and recovery (ASR): Importance of anisotropy and layered heterogeneity in brackish aquifers. Journal of Hydrology, 2008, 356, 93-105.	2.3	45
11	Insights from a pseudospectral approach to the Elder problem. Water Resources Research, 2009, 45, .	1.7	33
12	Advancing a toolkit of diverse futures approaches for global environmental assessments. Ecosystems and People, 2021, 17, 191-204.	1.3	29
13	High estimates of supply constrained emissions scenarios for long-term climate risk assessment. Energy Policy, 2012, 51, 598-604.	4.2	27
14	Optimising diet decisions and urban agriculture using linear programming. Food Security, 2014, 6, 701-718.	2.4	26
15	A Semi-Systematic Review of Capillary Irrigation: The Benefits, Limitations, and Opportunities. Horticulturae, 2018, 4, 23.	1.2	26
16	Effect of transient solute loading on free convection in porous media. Water Resources Research, 2010, 46, .	1.7	25
17	Improving the performance of Ground Coupled Heat Exchangers in unsaturated soils. Energy and Buildings, 2015, 104, 323-335.	3.1	25
18	Beyond Productivity: Considering the Health, Social Value and Happiness of Home and Community Food Gardens. Urban Science, 2018, 2, 97.	1.1	23

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19	A Comparison of Plant Growth Rates between an NFT Hydroponic System and an NFT Aquaponic System. Horticulturae, 2019, 5, 27.	1.2	23
20	On variable density surface waterâ€"groundwater interaction: A theoretical analysis of mixed convection in a stably-stratified fresh surface water â€" saline groundwater discharge zone. Journal of Hydrology, 2006, 329, 390-402.	2.3	22
21	Productivity, resource efficiency and financial savings: An investigation of the current capabilities and potential of South Australian home food gardens. PLoS ONE, 2020, 15, e0230232.	1.1	22
22	Grounding global environmental assessments through bottom-up futures based on local practices and perspectives. Sustainability Science, 2021, 16, 1907-1922.	2.5	22
23	Projection of Iron Ore Production. Natural Resources Research, 2015, 24, 317-327.	2.2	20
24	A Revised Brackish Water Aquifer Storage and Recovery (ASR) Site Selection Index for Water Resources Management. Water Resources Management, 2016, 30, 2465-2481.	1.9	19
25	Helium Production and Possible Projection. Minerals (Basel, Switzerland), 2014, 4, 130-144.	0.8	18
26	Aquaponics in Urban Agriculture: Social Acceptance and Urban Food Planning. Horticulturae, 2017, 3, 39.	1.2	18
27	Evaluating the Efficiency of Wicking Bed Irrigation Systems for Small-Scale Urban Agriculture. Horticulturae, 2016, 2, 13.	1.2	14
28	Grand Challenges in Urban Agriculture: Ecological and Social Approaches to Transformative Sustainability. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	14
29	Blue-Green Water Nexus in Aquaculture for Resilience to Climate Change. Reviews in Fisheries Science and Aquaculture, 2018, 26, 139-154.	5.1	13
30	Typically Diverse: The Nature of Urban Agriculture in South Australia. Sustainability, 2018, 10, 945.	1.6	13
31	Can urban agriculture usefully improve food resilience? Insights from a linear programming approach. Journal of Environmental Studies and Sciences, 2015, 5, 699-711.	0.9	9
32	Water Use Efficiency in Urban Food Gardens: Insights from a Systematic Review and Case Study. Horticulturae, 2018, 4, 27.	1.2	9
33	Optimising Crop Selection for Small Urban Food Gardens in Dry Climates. Horticulturae, 2017, 3, 33.	1.2	8
34	A Statistically Rigorous Approach to Experimental Design of Vertical Living Walls for Green Buildings. Urban Science, 2019, 3, 71.	1.1	8
35	Projecting the global impact of fossil fuel production from the Former Soviet Union. International Journal of Coal Science and Technology, 2021, 8, 1208-1226.	2.7	7
36	Comment on Fossil-fuel constraints on global warming by A. Zecca and L. Chiari [Energy Policy 38 (2010) 1â€"3]. Energy Policy, 2011, 39, 7464-7466.	4.2	6

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37	Renewable Energy Equivalent Footprint (REEF): A Method for Envisioning a Sustainable Energy Future. Energies, 2020, 13, 6160.	1.6	6
38	Experimental investigation of wicking bed irrigation using shallow-rooted crops grown under glasshouse conditions. Irrigation Science, 2020, 38, 117-129.	1.3	5
39	Towards a rational sustainability framework. Sustainability Science, 2015, 10, 515-520.	2.5	4
40	The Role of Green Roofs and Living Walls as WSUD Approaches in a Dry Climate. , 2019, , 409-430.		3
41	End-of-Pipe Horticultural Reuse of Recirculating Aquaculture System Effluent: Comparing the Hydro-Economics of Two Horticulture Systems. Water (Switzerland), 2020, 12, 1409.	1.2	3
42	Assessing Reliability of Recycled Water in Wicking Beds for Sustainable Urban Agriculture. Earth, 2021, 2, 468-484.	0.9	1
43	Improving the worthiness of the Elder problem as a benchmark for buoyancy driven convection models. Nature Precedings, 2008, , .	0.1	0