James D Ward

List of Publications by Year
in descending order

43 papers	1,882 citations	331670 21 h-index	276875 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.	6.4	445
2	Is Decoupling GDP Growth from Environmental Impact Possible?. PLoS ONE, 2016, 11, e0164733.	2.5	292
3	Vulnerability Indicators of Sea Water Intrusion. Ground Water, 2012, 50, 48-58.	1.3	159
4	Vertical greenery systems: A systematic review of research trends. Building and Environment, 2018, 146, 226-237.	6.9	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.	9.3	83
6	Integrated assessment of lateral flow, density effects and dispersion in aquifer storage and recovery. Journal of Hydrology, 2009, 370, 83-99.	5.4	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.	3.9	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.	5.4	66
9	Can integrated aquaculture-agriculture (IAA) produce â€œmore crop per dropâ€?. Food Security, 2014, 6, 767-779.	5.3	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.	5.4	45
11	Insights from a pseudospectral approach to the Elder problem. Water Resources Research, 2009, 45, .	4.2	33
12	Advancing a toolkit of diverse futures approaches for global environmental assessments. Ecosystems and People, 2021, 17, 191-204.	3.2	29
13	High estimates of supply constrained emissions scenarios for long-term climate risk assessment. Energy Policy, 2012, 51, 598-604.	8.8	27
14	Optimising diet decisions and urban agriculture using linear programming. Food Security, 2014, 6, 701-718.	5.3	26
15	A Semi-Systematic Review of Capillary Irrigation: The Benefits, Limitations, and Opportunities. Horticulturae, 2018, 4, 23.	2.8	26
16	Effect of transient solute loading on free convection in porous media. Water Resources Research, 2010, 46, .	4.2	25
17	Improving the performance of Ground Coupled Heat Exchangers in unsaturated soils. Energy and Buildings, 2015, 104, 323-335.	6.7	25
18	Beyond Productivity: Considering the Health, Social Value and Happiness of Home and Community Food Gardens. Urban Science, 2018, 2, 97.	2.3	23

#	Article	IF	Citations
19	A Comparison of Plant Growth Rates between an NFT Hydroponic System and an NFT Aquaponic System. Horticulturae, 2019, 5, 27.	2.8	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.	5.4	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.	2.5	22
22	Grounding global environmental assessments through bottom-up futures based on local practices and perspectives. Sustainability Science, 2021, 16, 1907-1922.	4.9	22
23	Projection of Iron Ore Production. Natural Resources Research, 2015, 24, 317-327.	4.7	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.	3.9	19
25	Helium Production and Possible Projection. Minerals (Basel, Switzerland), 2014, 4, 130-144.	2.0	18
26	Aquaponics in Urban Agriculture: Social Acceptance and Urban Food Planning. Horticulturae, 2017, 3, 39.	2.8	18
27	Evaluating the Efficiency of Wicking Bed Irrigation Systems for Small-Scale Urban Agriculture. Horticulturae, 2016, 2, 13.	2.8	14
28	Grand Challenges in Urban Agriculture: Ecological and Social Approaches to Transformative Sustainability. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	14
29	Blue-Green Water Nexus in Aquaculture for Resilience to Climate Change. Reviews in Fisheries Science and Aquaculture, 2018, 26, 139-154.	9.1	13
30	Typically Diverse: The Nature of Urban Agriculture in South Australia. Sustainability, 2018, 10, 945.	3.2	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.	2.0	9
32	Water Use Efficiency in Urban Food Gardens: Insights from a Systematic Review and Case Study. Horticulturae, 2018, 4, 27.	2.8	9
33	Optimising Crop Selection for Small Urban Food Gardens in Dry Climates. Horticulturae, 2017, 3, 33.	2.8	8
34	A Statistically Rigorous Approach to Experimental Design of Vertical Living Walls for Green Buildings. Urban Science, 2019, 3, 71.	2.3	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.	6.0	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.	8.8	6

#	Article	IF	Citations
37	Renewable Energy Equivalent Footprint (REEF): A Method for Envisioning a Sustainable Energy Future. Energies, 2020, 13, 6160.	3.1	6
38	Experimental investigation of wicking bed irrigation using shallow-rooted crops grown under glasshouse conditions. Irrigation Science, 2020, 38, 117-129.	2.8	5
39	Towards a rational sustainability framework. Sustainability Science, 2015, 10, 515-520.	4.9	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.	2.7	3
42	Assessing Reliability of Recycled Water in Wicking Beds for Sustainable Urban Agriculture. Earth, 2021, 2, 468-484.	2.2	1
43	Improving the worthiness of the Elder problem as a benchmark for buoyancy driven convection models. Nature Precedings, 2008, , .	0.1	0