

Ted Gardner

List of Publications by Citations

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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.

72
papers

1,542
citations

25
h-index

36
g-index

73
ext. papers

1,734
ext. citations

4.1
avg, IF

4.93
L-index

#	Paper	IF	Citations
72	Feasibility study on the application of advanced oxidation technologies for decentralised wastewater treatment. <i>Journal of Cleaner Production</i> , 2012 , 35, 230-238	10.3	90
71	Water Sensitive Urban Design: An Investigation of Current Systems, Implementation Drivers, Community Perceptions and Potential to Supplement Urban Water Services. <i>Water (Switzerland)</i> , 2016 , 8, 272	3	72
70	Environmental and Economic Assessment of Urban Water Services for a Greenfield Development. <i>Environmental Engineering Science</i> , 2009 , 26, 921-934	2	70
69	Urban drainage system planning and design--challenges with climate change and urbanization: a review. <i>Water Science and Technology</i> , 2015 , 72, 165-79	2.2	64
68	Smart meter enabled water end-use demand data: platform for the enhanced infrastructure planning of contemporary urban water supply networks. <i>Journal of Cleaner Production</i> , 2015 , 87, 642-654	10.3	55
67	Smart meters for enhanced water supply network modelling and infrastructure planning. <i>Resources, Conservation and Recycling</i> , 2014 , 90, 34-50	11.9	51
66	Evaluation of plumbed rainwater tanks in households for sustainable water resource management: a real-time monitoring study. <i>Journal of Cleaner Production</i> , 2013 , 42, 204-214	10.3	51
65	Alternative Water Resources for Rural Residential Development in Western Australia. <i>Water Resources Management</i> , 2010 , 24, 25-36	3.7	51
64	Communal rainwater tank systems design and economies of scale. <i>Journal of Cleaner Production</i> , 2014 , 67, 26-36	10.3	50
63	An Overview of Hybrid Water Supply Systems in the Context of Urban Water Management: Challenges and Opportunities. <i>Water (Switzerland)</i> , 2015 , 7, 153-174	3	49
62	Role of decentralised systems in the transition of urban water systems. <i>Water Science and Technology: Water Supply</i> , 2010 , 10, 577-583	1.4	48
61	Performance Analysis of a Communal Residential Rainwater System for Potable Supply: A Case Study in Brisbane, Australia. <i>Water Resources Management</i> , 2013 , 27, 4865-4876	3.7	43
60	Impediments and constraints in the uptake of water sensitive urban design measures in greenfield and infill developments. <i>Water Science and Technology</i> , 2012 , 65, 340-52	2.2	42
59	Assessing integrated water management options for urban developments [Canberra case study]. <i>Urban Water Journal</i> , 2008 , 5, 147-159	2.3	38
58	Evaluation of alternative water sources for commercial buildings: A case study in Brisbane, Australia. <i>Resources, Conservation and Recycling</i> , 2014 , 89, 86-93	11.9	36
57	A Desktop Analysis of Potable Water Savings from Internally Plumbed Rainwater Tanks in South-East Queensland, Australia. <i>Water Resources Management</i> , 2012 , 26, 1577-1590	3.7	33
56	Impact of water source management practices in residential areas on sewer networks - a review. <i>Water Science and Technology</i> , 2012 , 65, 624-42	2.2	33

55	Decentralised systems - definition and drivers in the current context. <i>Water Science and Technology</i> , 2013 , 67, 2091-101	2.2	32
54	Risks and tensions in water industry innovation: understanding adoption of decentralised water systems from a socio-technical transitions perspective. <i>Journal of Cleaner Production</i> , 2016 , 113, 263-273 ^{10.3}		29
53	Discussion of the enabling environments for decentralised water systems. <i>Water Science and Technology</i> , 2011 , 63, 2331-9	2.2	29
52	Impact of water management practice scenarios on wastewater flow and contaminant concentration. <i>Journal of Environmental Management</i> , 2015 , 151, 461-71	7.9	27
51	A GIS based screening tool for locating and ranking of suitable stormwater harvesting sites in urban areas. <i>Journal of Environmental Management</i> , 2013 , 128, 363-70	7.9	26
50	The impact of diurnal water use patterns, demand management and rainwater tanks on water supply network design. <i>Water Science and Technology: Water Supply</i> , 2010 , 10, 69-80	1.4	26
49	Decomposition of Large Water Distribution Systems. <i>Journal of Environmental Engineering, ASCE</i> , 1990 , 116, 269-283	2	26
48	The role of rainwater tanks in Australia in the twenty first century. <i>Architectural Science Review</i> , 2010 , 53, 107-125	2.6	25
47	Smart meter enabled informatics for economically efficient diversified water supply infrastructure planning. <i>Journal of Cleaner Production</i> , 2016 , 135, 1023-1033	10.3	24
46	Multi-criteria decision assessments using Subjective Logic: Methodology and the case of urban water strategies. <i>Journal of Hydrology</i> , 2012 , 452-453, 180-189	6	23
45	Assessing Decentralised Water Solutions: Towards a Framework for Adaptive Learning. <i>Water Resources Management</i> , 2011 , 25, 217-238	3.7	23
44	Assessing decentralised wastewater treatment technologies: correlating technology selection to system robustness, energy consumption and GHG emission. <i>Journal of Water and Climate Change</i> , 2013 , 4, 338-347	2.3	22
43	Utilising integrated urban water management to assess the viability of decentralised water solutions. <i>Water Science and Technology</i> , 2012 , 66, 113-21	2.2	22
42	An Integrated Framework for Assessment of Hybrid Water Supply Systems. <i>Water (Switzerland)</i> , 2016 , 8, 4	3	21
41	Impact of Short Duration Intense Rainfall Events on Sanitary Sewer Network Performance. <i>Water (Switzerland)</i> , 2017 , 9, 225	3	19
40	Evaluation of stormwater harvesting sites using multi criteria decision methodology. <i>Journal of Hydrology</i> , 2018 , 562, 181-192	6	18
39	Integrated Evaluation of Hybrid Water Supply Systems Using a PROMETHEE/GAIA Approach. <i>Water (Switzerland)</i> , 2018 , 10, 610	3	18
38	Optimal design of a sewer line using Linear Programming. <i>Applied Mathematical Modelling</i> , 2013 , 37, 4430-4439	4.5	17

37	Exploring the need for rainwater tank maintenance: survey, review and simulations. <i>Water Science and Technology: Water Supply</i> , 2013 , 13, 191-201	1.4	16
36	A Decision Support Methodology for Integrated Urban Water Management in Remote Settlements. <i>Water Resources Management</i> , 2013 , 27, 433-449	3.7	15
35	Understanding the impact of hybrid water supply systems on wastewater and stormwater flows. <i>Resources, Conservation and Recycling</i> , 2018 , 130, 82-94	11.9	14
34	Sustainable sewerage servicing options for peri-urban areas with failing septic systems. <i>Water Science and Technology</i> , 2010 , 62, 570-85	2.2	14
33	Assessment of rainwater use and greywater reuse in high-rise buildings in a brownfield site. <i>Water Science and Technology</i> , 2009 , 60, 575-81	2.2	14
32	Self-reported judgements of management and governance issues in stormwater and greywater systems. <i>Journal of Cleaner Production</i> , 2012 , 29-30, 144-150	10.3	13
31	Application of the Water Needs Index: Can Tho City, Mekong Delta, Vietnam. <i>Journal of Hydrology</i> , 2012 , 468-469, 203-212	6	13
30	Water use, sanitation and health in a fragmented urban water system: case study and household survey. <i>Urban Water Journal</i> , 2014 , 11, 198-210	2.3	12
29	Representative general circulation models selection and downscaling of climate data for the transboundary Koshi river basin in China and Nepal. <i>International Journal of Climatology</i> , 2020 , 40, 4131-4149	2.5	12
28	Reorganization of Water-Distribution System. <i>Journal of Environmental Engineering, ASCE</i> , 1990 , 116, 588-600	2	11
27	Rainwater tanks in modern cities: a review of current practices and research. <i>Journal of Water and Climate Change</i> , 2016 , 7, 445-466	2.3	11
26	Sizing of Domestic Rainwater Harvesting Systems Using Economic Performance Indicators to Support Water Supply Systems. <i>Water (Switzerland)</i> , 2019 , 11, 783	3	8
25	Examining Biophysical and Socio-Demographic Factors across Mandated Tank Users in Urban Australia: A Linking Step towards Achieving Best Practices. <i>Water Resources Management</i> , 2012 , 26, 1983-1998	3.7	8
24	Monitoring and validation of decentralised water and wastewater systems for increased uptake. <i>Water Science and Technology</i> , 2013 , 67, 2576-81	2.2	8
23	Perceived performance of decentralised water systems: a survey approach. <i>Water Science and Technology: Water Supply</i> , 2011 , 11, 516-526	1.4	8
22	Investigation of pump and pump switch failures in rainwater harvesting systems. <i>Journal of Hydrology</i> , 2016 , 538, 208-215	6	8
21	Investigating the Financial Implications and Viability of Diversified Water Supply Systems in an Urban Water Supply Zone. <i>Water Resources Management</i> , 2016 , 30, 4037-4051	3.7	6
20	Impacts of climate change on the flow of the transboundary Koshi River, with implications for local irrigation. <i>International Journal of Water Resources Development</i> , 2020 , 1-26	3	6

19	Reprint of: Smart meter enabled informatics for economically efficient diversified water supply infrastructure planning. <i>Journal of Cleaner Production</i> , 2017 , 163, S138-S147	10.3	5
18	Application of linear programming for looped water supply pipe network design. <i>Water Science and Technology: Water Supply</i> , 2013 , 13, 1195-1201	1.4	5
17	WSUD Design Guidelines and Data Needs 2019 , 75-86		5
16	ASSESSMENT OF SOCIO-ECONOMIC FACTORS IMPACTING ON THE CROPPING INTENSITY OF AN IRRIGATION SCHEME IN DEVELOPING COUNTRIES. <i>Irrigation and Drainage</i> , 2020 , 69, 363-375	1.1	4
15	Comprehensive Assessment Methodology for Urban Residential Rainwater Tank Implementation. <i>Water (Switzerland)</i> , 2020 , 12, 315	3	3
14	Investigation of alternative water sources for fish farming using life cycle costing approach: A case study in North West Tasmania. <i>Journal of Hydrology</i> , 2019 , 579, 124215	6	3
13	Basic Psychological Needs Influencing the Regularity of Domestic Rainwater Tank Maintenance. <i>Water Resources Management</i> , 2014 , 28, 4059-4073	3.7	3
12	How supply system design can reduce the energy footprint of rainwater supply in urban areas in Australia. <i>Water Science and Technology: Water Supply</i> , 2013 , 13, 753-760	1.4	3
11	Design method for circular and non-circular sewer sections. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2008 , 46, 133-141	1.9	3
10	Matching alternative water services to industry type: an eco-industrial approach. <i>Water Science and Technology: Water Supply</i> , 2010 , 10, 969-977	1.4	2
9	Spatial and short-term temporal distribution of fugitive methane and nitrous oxide emission from a decentralised sewage mining plant: a pilot study. <i>Journal of Water and Climate Change</i> , 2014 , 5, 1-12	2.3	1
8	Design of a Pumping Main Considering Pipeline Failure. <i>Water Resources Management</i> , 2013 , 27, 199-207	3.7	1
7	Cost Considerations and General Principles in the Optimal Design of Water Distribution Systems 2008 ,		1
6	Economic Viability of Water-Supply Gravity Main. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020 , 11, 06019004	1.5	1
5	A scoping review on Water Sensitive Urban Design aims and achievements. <i>Urban Water Journal</i> , 1-15	2.3	1
4	Development of an Intelligent Urban Water Network System. <i>Water (Switzerland)</i> , 2022 , 14, 1320	3	1
3	Innovative sewerage solutions for small rural towns. <i>Water Science and Technology</i> , 2007 , 56, 97-103	2.2	0
2	Rethinking of Non-traditional Water Resources in Residential Developments of Rural Towns, Western Australia. <i>Journal of Water and Environment Technology</i> , 2009 , 7, 57-66	1.1	

1 Integration of Decentralised and Centralised Water Systems to Address Current Water Servicing Challenges. *Lecture Notes in Civil Engineering*, 2021, 1-16

0.3