

Nigel George Wright

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.

58

papers

3,189

citations

26

h-index

56

g-index

65

ext. papers

3,781

ext. citations

3.9

avg, IF

5.55

L-index

#	Paper	IF	Citations
58	The food waste hierarchy as a framework for the management of food surplus and food waste. <i>Journal of Cleaner Production</i> , 2014 , 76, 106-115	10.3	673
57	A flood vulnerability index for coastal cities and its use in assessing climate change impacts. <i>Natural Hazards</i> , 2012 , 64, 73-105	3	366
56	On the use of the k ϵ model in commercial CFD software to model the neutral atmospheric boundary layer. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2007 , 95, 355-369	3.7	235
55	Flood vulnerability indices at varying spatial scales. <i>Water Science and Technology</i> , 2009 , 60, 2571-80	2.2	158
54	Unstructured mesh generation and landcover-based resistance for hydrodynamic modeling of urban flooding. <i>Advances in Water Resources</i> , 2008 , 31, 1603-1621	4.7	150
53	How much physical complexity is needed to model flood inundation?. <i>Hydrological Processes</i> , 2012 , 26, 2264-2282	3.3	140
52	Conceptual framework for the study of food waste generation and prevention in the hospitality sector. <i>Waste Management</i> , 2016 , 49, 326-336	8.6	137
51	Parametric and physically based modelling techniques for flood risk and vulnerability assessment: A comparison. <i>Environmental Modelling and Software</i> , 2013 , 41, 84-92	5.2	132
50	An unstructured finite-volume algorithm for predicting flow in rivers and estuaries. <i>Computers and Fluids</i> , 1998 , 27, 479-508	2.8	126
49	A comparison of three parallelisation methods for 2D flood inundation models. <i>Environmental Modelling and Software</i> , 2010 , 25, 398-411	5.2	92
48	Unsteady 1D and 2D hydraulic models with ice dam break for Quaternary megaflood, Altai Mountains, southern Siberia. <i>Global and Planetary Change</i> , 2010 , 70, 24-34	4.2	72
47	A coupled SPH-DEM model for fluid-structure interaction problems with free-surface flow and structural failure. <i>Computers and Structures</i> , 2016 , 177, 141-161	4.5	71
46	Non-linear k ϵ turbulence model results for flow over a building at full-scale. <i>Applied Mathematical Modelling</i> , 2003 , 27, 1013-1033	4.5	61
45	Priority water research questions as determined by UK practitioners and policy makers. <i>Science of the Total Environment</i> , 2010 , 409, 256-66	10.2	54
44	Sediment balances in the Blue Nile River Basin. <i>International Journal of Sediment Research</i> , 2014 , 29, 316-328	4.9	49
43	Patterns and Causes of Food Waste in the Hospitality and Food Service Sector: Food Waste Prevention Insights from Malaysia. <i>Sustainability</i> , 2019 , 11, 6016	3.6	43
42	The blue-green path to urban flood resilience. <i>Blue-Green Systems</i> , 2020 , 2, 28-45	5.2	41

41	Quantifying the combined effects of multiple extreme floods on river channel geometry and on flood hazards. <i>Journal of Hydrology</i> , 2016 , 538, 256-268	6	39
40	An efficient multigrid approach to solving highly recirculating flows. <i>Computers and Fluids</i> , 1995 , 24, 63-798		38
39	Application of the k ϵ turbulence model for a wind-induced vibration study of 2D bluff bodies. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2009 , 97, 77-87	3.7	32
38	The influence of floodplain restoration on flow and sediment dynamics in an urban river. <i>Journal of Flood Risk Management</i> , 2018 , 11, S986	3.1	31
37	Application of a coastal modelling code in fluvial environments. <i>Environmental Modelling and Software</i> , 2011 , 26, 1685-1695	5.2	30
36	Wind and vehicle induced forces on flat plates Part 2: vehicle induced force. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2001 , 89, 831-847	3.7	28
35	An analytical model for lateral depth-averaged velocity distributions along a meander in curved compound channels. <i>Advances in Water Resources</i> , 2014 , 74, 26-43	4.7	27
34	Simple and efficient solution of the shallow water equations with source terms. <i>International Journal for Numerical Methods in Fluids</i> , 2010 , 63, 313-340	1.9	26
33	Time accurate local time stepping for the unsteady shallow water equations. <i>International Journal for Numerical Methods in Fluids</i> , 2005 , 48, 775-799	1.9	26
32	Floods and the COVID-19 pandemic-A new double hazard problem. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021 , 8, e1509	5.7	25
31	Assessment of hydro-morphodynamic modelling and geomorphological impacts of a sediment-charged jökullsláup, at Síheimajökull, Iceland. <i>Journal of Hydrology</i> , 2015 , 530, 336-349	6	24
30	Wind and vehicle induced forces on flat plates Part 1: wind induced force. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2001 , 89, 817-829	3.7	20
29	A robust 2D shallow water model for solving flow over complex topography using homogenous flux method. <i>International Journal for Numerical Methods in Fluids</i> , 2013 , 73, 225-249	1.9	19
28	Comparison of two solution strategies for use with higher-order discretization schemes in fluid flow simulation. <i>International Journal for Numerical Methods in Fluids</i> , 1988 , 8, 1203-1215	1.9	19
27	Numerical modelling of hydro-morphological processes dominated by fine suspended sediment in a stormwater pond. <i>Journal of Hydrology</i> , 2018 , 556, 87-99	6	17
26	An integrated particle model for fluid-particle-structure interaction problems with free-surface flow and structural failure. <i>Journal of Fluids and Structures</i> , 2018 , 76, 166-184	3.1	16
25	Modelling the long-term suspended sedimentological effects on stormwater pond performance in an urban catchment. <i>Journal of Hydrology</i> , 2019 , 571, 805-818	6	14
24	Fluid-structure interaction of prismatic line-like structures, using LES and block-iterative coupling. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008 , 96, 840-858	3.7	14

23	Interoperability: A conceptual framework to bridge the gap between multifunctional and multisystem urban flood management. <i>Journal of Flood Risk Management</i> , 2019 , 12, e12535	3.1	13
22	Developing spatial prioritization criteria for integrated urban flood management based on a source-to-impact flood analysis. <i>Journal of Hydrology</i> , 2019 , 578, 124038	6	13
21	Numerical modeling of converging compound channel flow. <i>ISH Journal of Hydraulic Engineering</i> , 2018 , 24, 285-297	1.5	12
20	After Sandy: Rethinking Flood Risk Management in Asian Coastal Megacities. <i>Natural Hazards Review</i> , 2014 , 15, 101-103	3.5	12
19	Regional prioritisation of flood risk in mountainous areas. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 833-853	3.9	12
18	A spatial framework to explore needs and opportunities for interoperable urban flood management. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190205	3	11
17	Physical complexity to model morphological changes at a natural channel bend. <i>Water Resources Research</i> , 2016 , 52, 6348-6364	5.4	10
16	Systematic analysis of uncertainty in 2D flood inundation models. <i>Environmental Modelling and Software</i> , 2019 , 122, 104520	5.2	10
15	Flow regime change in an endorheic basin in southern Ethiopia. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 3837-3853	5.5	10
14	Agent-based modeling and simulation to assess flood preparedness and recovery of manufacturing small and medium-sized enterprises. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 78, 195-217	7.2	10
13	Bed-Shear Stress Characteristics of a Simple, Prismatic, Rectangular Channel. <i>Journal of Engineering Mechanics - ASCE</i> , 2008 , 134, 1085-1094	2.4	6
12	Hydrological model assessment for flood early warning in a tropical high mountain basin		5
11	Understanding the drivers of sanitation behaviour in riverine communities of Niger Delta, Nigeria: the case of Odi and Kaiama communities. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2016 , 6, 491-499	1.5	5
10	Floods - Are We Prepared?. <i>Journal of Disaster Research</i> , 2006 , 1, 325-333	0.8	4
9	Evaluating the operational resilience of small and medium-sized enterprises to flooding using a computational modelling and simulation approach: a case study of the 2007 flood in Tewkesbury. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190210	3	3
8	Advances in flood modelling helping to reduce flood risk. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , 2014 , 167, 52-52	0.4	2
7	Modeling Urban Flood Inundation in a Parallel Computing Environment 2008 ,		2
6	A review of modelling methodologies for flood source area (FSA) identification. <i>Natural Hazards</i> , 2021 , 107, 1047-1068	3	2

- 5 SESAME: Exploring small businesses behaviour to enhance resilience to flooding. *E3S Web of Conferences*, **2016**, 7, 08011 0.5 1
- 4 Variable input parameter influence on river corridor prediction. *Water Management*, **2015**, 168, 199-209 1
- 3 Modelling Concepts and Strategies to Support Integrated Flood Risk Management in Large, Lowland Basins: Río Salado Basin, Argentina 443-471
- 2 Evaluating the hydraulic and hydro-morphodynamic performance of blue-green infrastructure over event and long-term timescales **2020**, 51-64
- 1 Managing Urban Flood Risk and Building Resilience in a Changing Climate **2022**, 315-341