

# Nigel George Wright

## 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

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	Managing Urban Flood Risk and Building Resilience in a Changing Climate <b>2022</b> , 315-341		
57	A review of modelling methodologies for flood source area (FSA) identification. <i>Natural Hazards</i> , <b>2021</b> , 107, 1047-1068	3	2
56	Floods and the COVID-19 pandemic-A new double hazard problem. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2021</b> , 8, e1509	5.7	25
55	A spatial framework to explore needs and opportunities for interoperable urban flood management. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190205	3	11
54	The blue-green path to urban flood resilience. <i>Blue-Green Systems</i> , <b>2020</b> , 2, 28-45	5.2	41
53	Evaluating the hydraulic and hydro-morphodynamic performance of bluegreen infrastructure over event and long-term timescales <b>2020</b> , 51-64		
52	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> , <b>2020</b> , 378, 20190210	3	3
51	Interoperability: A conceptual framework to bridge the gap between multifunctional and multisystem urban flood management. <i>Journal of Flood Risk Management</i> , <b>2019</b> , 12, e12535	3.1	13
50	Modelling the long-term suspended sedimentological effects on stormwater pond performance in an urban catchment. <i>Journal of Hydrology</i> , <b>2019</b> , 571, 805-818	6	14
49	Developing spatial prioritization criteria for integrated urban flood management based on a source-to-impact flood analysis. <i>Journal of Hydrology</i> , <b>2019</b> , 578, 124038	6	13
48	Systematic analysis of uncertainty in 2D flood inundation models. <i>Environmental Modelling and Software</i> , <b>2019</b> , 122, 104520	5.2	10
47	Patterns and Causes of Food Waste in the Hospitality and Food Service Sector: Food Waste Prevention Insights from Malaysia. <i>Sustainability</i> , <b>2019</b> , 11, 6016	3.6	43
46	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> , <b>2019</b> , 78, 195-217	7.2	10
45	The influence of floodplain restoration on flow and sediment dynamics in an urban river. <i>Journal of Flood Risk Management</i> , <b>2018</b> , 11, S986	3.1	31
44	Numerical modeling of converging compound channel flow. <i>ISH Journal of Hydraulic Engineering</i> , <b>2018</b> , 24, 285-297	1.5	12
43	An integrated particle model for fluidparticlestructure interaction problems with free-surface flow and structural failure. <i>Journal of Fluids and Structures</i> , <b>2018</b> , 76, 166-184	3.1	16
42	Numerical modelling of hydro-morphological processes dominated by fine suspended sediment in a stormwater pond. <i>Journal of Hydrology</i> , <b>2018</b> , 556, 87-99	6	17

41	Physical complexity to model morphological changes at a natural channel bend. <i>Water Resources Research</i> , <b>2016</b> , 52, 6348-6364	5.4	10
40	Quantifying the combined effects of multiple extreme floods on river channel geometry and on flood hazards. <i>Journal of Hydrology</i> , <b>2016</b> , 538, 256-268	6	39
39	Conceptual framework for the study of food waste generation and prevention in the hospitality sector. <i>Waste Management</i> , <b>2016</b> , 49, 326-336	8.6	137
38	Regional prioritisation of flood risk in mountainous areas. <i>Natural Hazards and Earth System Sciences</i> , <b>2016</b> , 16, 833-853	3.9	12
37	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> , <b>2016</b> , 6, 491-499	1.5	5
36	SESAME: Exploring small businesses behaviour to enhance resilience to flooding. <i>E3S Web of Conferences</i> , <b>2016</b> , 7, 08011	0.5	1
35	A coupled SPH-DEM model for fluid-structure interaction problems with free-surface flow and structural failure. <i>Computers and Structures</i> , <b>2016</b> , 177, 141-161	4.5	71
34	Variable input parameter influence on river corridor prediction. <i>Water Management</i> , <b>2015</b> , 168, 199-209	1	
33	Assessment of hydro-morphodynamic modelling and geomorphological impacts of a sediment-charged jökulhlaup, at Sólheimajökull, Iceland. <i>Journal of Hydrology</i> , <b>2015</b> , 530, 336-349	6	24
32	An analytical model for lateral depth-averaged velocity distributions along a meander in curved compound channels. <i>Advances in Water Resources</i> , <b>2014</b> , 74, 26-43	4.7	27
31	Sediment balances in the Blue Nile River Basin. <i>International Journal of Sediment Research</i> , <b>2014</b> , 29, 316-328	49	
30	The food waste hierarchy as a framework for the management of food surplus and food waste. <i>Journal of Cleaner Production</i> , <b>2014</b> , 76, 106-115	10.3	673
29	Advances in flood modelling helping to reduce flood risk. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , <b>2014</b> , 167, 52-52	0.4	2
28	After Sandy: Rethinking Flood Risk Management in Asian Coastal Megacities. <i>Natural Hazards Review</i> , <b>2014</b> , 15, 101-103	3.5	12
27	Flow regime change in an endorheic basin in southern Ethiopia. <i>Hydrology and Earth System Sciences</i> , <b>2014</b> , 18, 3837-3853	5.5	10
26	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> , <b>2013</b> , 73, 225-249	1.9	19
25	Parametric and physically based modelling techniques for flood risk and vulnerability assessment: A comparison. <i>Environmental Modelling and Software</i> , <b>2013</b> , 41, 84-92	5.2	132
24	How much physical complexity is needed to model flood inundation?. <i>Hydrological Processes</i> , <b>2012</b> , 26, 2264-2282	3.3	140

23	A flood vulnerability index for coastal cities and its use in assessing climate change impacts. <i>Natural Hazards</i> , <b>2012</b> , 64, 73-105	3	366
22	Application of a coastal modelling code in fluvial environments. <i>Environmental Modelling and Software</i> , <b>2011</b> , 26, 1685-1695	5.2	30
21	Unsteady 1D and 2D hydraulic models with ice dam break for Quaternary megaflood, Altai Mountains, southern Siberia. <i>Global and Planetary Change</i> , <b>2010</b> , 70, 24-34	4.2	72
20	Priority water research questions as determined by UK practitioners and policy makers. <i>Science of the Total Environment</i> , <b>2010</b> , 409, 256-66	10.2	54
19	Simple and efficient solution of the shallow water equations with source terms. <i>International Journal for Numerical Methods in Fluids</i> , <b>2010</b> , 63, 313-340	1.9	26
18	A comparison of three parallelisation methods for 2D flood inundation models. <i>Environmental Modelling and Software</i> , <b>2010</b> , 25, 398-411	5.2	92
17	Flood vulnerability indices at varying spatial scales. <i>Water Science and Technology</i> , <b>2009</b> , 60, 2571-80	2.2	158
16	Application of the $k-\epsilon$ turbulence model for a wind-induced vibration study of 2D bluff bodies. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2009</b> , 97, 77-87	3.7	32
15	Bed-Shear Stress Characteristics of a Simple, Prismatic, Rectangular Channel. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2008</b> , 134, 1085-1094	2.4	6
14	Modeling Urban Flood Inundation in a Parallel Computing Environment <b>2008</b> ,		2
13	Unstructured mesh generation and landcover-based resistance for hydrodynamic modeling of urban flooding. <i>Advances in Water Resources</i> , <b>2008</b> , 31, 1603-1621	4.7	150
12	Fluid-structure interaction of prismatic line-like structures, using LES and block-iterative coupling. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2008</b> , 96, 840-858	3.7	14
11	On the use of the $k-\epsilon$ model in commercial CFD software to model the neutral atmospheric boundary layer. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2007</b> , 95, 355-369	3.7	235
10	Floods - Are We Prepared?. <i>Journal of Disaster Research</i> , <b>2006</b> , 1, 325-333	0.8	4
9	Time accurate local time stepping for the unsteady shallow water equations. <i>International Journal for Numerical Methods in Fluids</i> , <b>2005</b> , 48, 775-799	1.9	26
8	Non-linear $k-\epsilon$ turbulence model results for flow over a building at full-scale. <i>Applied Mathematical Modelling</i> , <b>2003</b> , 27, 1013-1033	4.5	61
7	Wind and vehicle induced forces on flat plates Part 1: wind induced force. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2001</b> , 89, 817-829	3.7	20
6	Wind and vehicle induced forces on flat plates Part 2: vehicle induced force. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2001</b> , 89, 831-847	3.7	28

5	An unstructured finite-volume algorithm for predicting flow in rivers and estuaries. <i>Computers and Fluids</i> , <b>1998</b> , 27, 479-508	2.8	126
4	An efficient multigrid approach to solving highly recirculating flows. <i>Computers and Fluids</i> , <b>1995</b> , 24, 63-79		38
3	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> , <b>1988</b> , 8, 1203-1215	1.9	19
2	Hydrological model assessment for flood early warning in a tropical high mountain basin		5
1	Modelling Concepts and Strategies to Support Integrated Flood Risk Management in Large, Lowland Basins: Río Salado Basin, Argentina		443-471