

# Jim Hall

## List of Publications by Year in descending order

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292  
papers

18,038  
citations

16451

64  
h-index

16650

123  
g-index

322  
all docs

322  
docs citations

322  
times ranked

17245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tipping elements in the Earth's climate system. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1786-1793.	7.1	2,599
2	Meat consumption, health, and the environment. Science, 2018, 361, .	12.6	1,081
3	Sensitivity analysis of environmental models: A systematic review with practical workflow. Environmental Modelling and Software, 2016, 79, 214-232.	4.5	926
4	Managing nitrogen to restore water quality in China. Nature, 2019, 567, 516-520.	27.8	667
5	Crop yield sensitivity of global major agricultural countries to droughts and the projected changes in the future. Science of the Total Environment, 2019, 654, 811-821.	8.0	387
6	Infrastructure for sustainable development. Nature Sustainability, 2019, 2, 324-331.	23.7	371
7	Fluvial flood risk management in a changing world. Natural Hazards and Earth System Sciences, 2010, 10, 509-527.	3.6	334
8	Integrating human behaviour dynamics into flood disaster risk assessment. Nature Climate Change, 2018, 8, 193-199.	18.8	327
9	Imprecise probability assessment of tipping points in the climate system. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5041-5046.	7.1	263
10	Pollution exacerbates China's water scarcity and its regional inequality. Nature Communications, 2020, 11, 650.	12.8	260
11	Robust Climate Policies Under Uncertainty: A Comparison of Robust Decision Making and InfoGap Methods. Risk Analysis, 2012, 32, 1657-1672.	2.7	221
12	National-scale Assessment of Current and Future Flood Risk in England and Wales. Natural Hazards, 2005, 36, 147-164.	3.4	218
13	The future of water resources systems analysis: Toward a scientific framework for sustainable water management. Water Resources Research, 2015, 51, 6110-6124.	4.2	214
14	A global multi-hazard risk analysis of road and railway infrastructure assets. Nature Communications, 2019, 10, 2677.	12.8	213
15	Distributed Sensitivity Analysis of Flood Inundation Model Calibration. Journal of Hydraulic Engineering, 2005, 131, 117-126.	1.5	212
16	Integrated analysis of risks of coastal flooding and cliff erosion under scenarios of long term change. Climatic Change, 2009, 95, 249-288.	3.6	205
17	The energy-water-food nexus: Strategic analysis of technologies for transforming the urban metabolism. Journal of Environmental Management, 2014, 141, 104-115.	7.8	198
18	Simplified two-dimensional numerical modelling of coastal flooding and example applications. Coastal Engineering, 2005, 52, 793-810.	4.0	187

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19	A restatement of the natural science evidence concerning catchment-based “natural” flood management in the UK. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160706.	2.1	184
20	A predictive Mesoscale model of the erosion and profile development of soft rock shores. Coastal Engineering, 2005, 52, 535-563.	4.0	183
21	Systemic impacts of climate change on an eroding coastal region over the twenty-first century. Climatic Change, 2007, 84, 141-166.	3.6	163
22	Assessing the effectiveness of non-structural flood management measures in the Thames Estuary under conditions of socio-economic and environmental change. Global Environmental Change, 2011, 21, 628-646.	7.8	161
23	A methodology for national-scale flood risk assessment. Proceedings of the Institution of Civil Engineers Water and Maritime Engineering, 2003, 156, 235-247.	0.3	158
24	Coping with the curse of freshwater variability. Science, 2014, 346, 429-430.	12.6	155
25	A framework for uncertainty analysis in flood risk management decisions. International Journal of River Basin Management, 2008, 6, 85-98.	2.7	151
26	Electricity generation and cooling water use: UK pathways to 2050. Global Environmental Change, 2014, 25, 16-30.	7.8	151
27	Integrated Flood Risk Management in England and Wales. Natural Hazards Review, 2003, 4, 126-135.	1.5	148
28	Valuing water for sustainable development. Science, 2017, 358, 1003-1005.	12.6	136
29	Changing risks of simultaneous global breadbasket failure. Nature Climate Change, 2020, 10, 54-57.	18.8	132
30	Cooperative filling approaches for the Grand Ethiopian Renaissance Dam. Water International, 2016, 41, 611-634.	1.0	127
31	Towards risk-based flood hazard management in the UK. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2002, 150, 36-42.	0.3	121
32	The effects of changing land use and flood hazard on poverty in coastal Bangladesh. Land Use Policy, 2020, 99, 104868.	5.6	116
33	Assessing surface water flood risk and management strategies under future climate change: Insights from an Agent-Based Model. Science of the Total Environment, 2017, 595, 159-168.	8.0	108
34	Water use in China’s thermoelectric power sector. Global Environmental Change, 2016, 41, 142-152.	7.8	106
35	Water Security and Society: Risks, Metrics, and Pathways. Annual Review of Environment and Resources, 2014, 39, 611-639.	13.4	102
36	A methodology for national-scale flood risk assessment. Water Management, 2003, 156, 235-247.	1.2	102

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37	Critical infrastructure impact assessment due to flood exposure. <i>Journal of Flood Risk Management</i> , 2018, 11, 22-33.	3.3	99
38	Attribution of flood risk in urban areas. <i>Journal of Hydroinformatics</i> , 2008, 10, 275-288.	2.4	98
39	Coastal cliff recession: the use of probabilistic prediction methods. <i>Geomorphology</i> , 2001, 40, 253-269.	2.6	91
40	Stochastic simulation of episodic soft coastal cliff recession. <i>Coastal Engineering</i> , 2002, 46, 159-174.	4.0	91
41	Risk-based water resources planning: Incorporating probabilistic nonstationary climate uncertainties. <i>Water Resources Research</i> , 2014, 50, 6850-6873.	4.2	90
42	Probabilistic climate scenarios may misrepresent uncertainty and lead to bad adaptation decisions. <i>Hydrological Processes</i> , 2007, 21, 1127-1129.	2.6	87
43	Participatory planning of the future of waste management in small island developing states to deliver on the Sustainable Development Goals. <i>Journal of Cleaner Production</i> , 2019, 223, 147-162.	9.3	87
44	Understanding and managing new risks on the Nile with the Grand Ethiopian Renaissance Dam. <i>Nature Communications</i> , 2020, 11, 5222.	12.8	87
45	Operationalizing the net-negative carbon economy. <i>Nature</i> , 2021, 596, 377-383.	27.8	87
46	The Economic Impacts of Droughts: A Framework for Analysis. <i>Ecological Economics</i> , 2017, 132, 196-204.	5.7	86
47	Global economic impacts of COVID-19 lockdown measures stand out in high-frequency shipping data. <i>PLoS ONE</i> , 2021, 16, e0248818.	2.5	83
48	A 2D shallow flow model for practical dam-break simulations. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2011, 49, 307-316.	1.7	82
49	Delivering on the Sustainable Development Goals through long-term infrastructure planning. <i>Global Environmental Change</i> , 2019, 59, 101975.	7.8	80
50	Predicting spatial and temporal variability in crop yields: an inter-comparison of machine learning, regression and process-based models. <i>Environmental Research Letters</i> , 2020, 15, 044027.	5.2	79
51	Sensitivity Analysis for Hydraulic Models. <i>Journal of Hydraulic Engineering</i> , 2009, 135, 959-969.	1.5	78
52	Risk-based principles for defining and managing water security. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120407.	3.4	78
53	Risk, Robustness and Water Resources Planning Under Uncertainty. <i>Earth's Future</i> , 2018, 6, 468-487.	6.3	77
54	Using probabilistic climate change information from a multimodel ensemble for water resources assessment. <i>Water Resources Research</i> , 2009, 45, .	4.2	76

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55	Have coastal embankments reduced flooding in Bangladesh?. <i>Science of the Total Environment</i> , 2019, 682, 405-416.	8.0	76
56	Port disruptions due to natural disasters: Insights into port and logistics resilience. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 85, 102393.	6.8	76
57	Uncertain inference using interval probability theory. <i>International Journal of Approximate Reasoning</i> , 1998, 19, 247-264.	3.3	74
58	Sampling-based flood risk analysis for fluvial dike systems. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 388-402.	4.0	73
59	Flood Inundation Modeling with an Adaptive Quadtree Grid Shallow Water Equation Solver. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 1603-1610.	1.5	73
60	Proportionate adaptation. <i>Nature Climate Change</i> , 2012, 2, 833-834.	18.8	72
61	Assessing the Impacts of Extreme Agricultural Droughts in China Under Climate and Socioeconomic Changes. <i>Earth's Future</i> , 2018, 6, 689-703.	6.3	72
62	Observed impacts of the COVID-19 pandemic on global trade. <i>Nature Human Behaviour</i> , 2021, 5, 305-307.	12.0	71
63	Quantified Analysis of the Probability of Flooding in the Thames Estuary under Imaginable Worst-case Sea Level Rise Scenarios. <i>International Journal of Water Resources Development</i> , 2005, 21, 577-591.	2.0	67
64	Quantified scenarios analysis of drivers and impacts of changing flood risk in England and Wales: 2030?2100. <i>Environmental Hazards</i> , 2003, 5, 51-65.	0.3	66
65	Assessing water resource system vulnerability to unprecedented hydrological drought using copulas to characterize drought duration and deficit. <i>Water Resources Research</i> , 2015, 51, 8927-8948.	4.2	66
66	Towards risk-based water resources planning in England and Wales under a changing climate. <i>Water and Environment Journal</i> , 2012, 26, 118-129.	2.2	65
67	System-of-systems formulation and disruption analysis for multi-scale critical national infrastructures. <i>Reliability Engineering and System Safety</i> , 2017, 167, 30-41.	8.9	65
68	Generation, combination and extension of random set approximations to coherent lower and upper probabilities. <i>Reliability Engineering and System Safety</i> , 2004, 85, 89-101.	8.9	64
69	Increasing risks of multiple breadbasket failure under 1.5 and 2°C global warming. <i>Agricultural Systems</i> , 2019, 175, 34-45.	6.1	64
70	Plausible responses to the threat of rapid sea-level rise in the Thames Estuary. <i>Climatic Change</i> , 2008, 91, 145-169.	3.6	63
71	Handling uncertainty in the hydroinformatic process. <i>Journal of Hydroinformatics</i> , 2003, 5, 215-232.	2.4	60
72	Adaptive importance sampling for risk analysis of complex infrastructure systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 3343-3362.	2.1	59

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73	Water security, risk, and economic growth: Insights from a dynamical systems model. <i>Water Resources Research</i> , 2017, 53, 6425-6438.	4.2	59
74	Categorising virtual water transfers through China's electric power sector. <i>Applied Energy</i> , 2018, 226, 252-260.	10.1	58
75	A Mesoscale Predictive Model of the Evolution and Management of a Soft-Rock Coast. <i>Journal of Coastal Research</i> , 2011, 27, 529-543.	0.3	57
76	Enhanced efficiency of pluvial flood risk estimation in urban areas using spatial-temporal rainfall simulations. <i>Journal of Flood Risk Management</i> , 2012, 5, 143-152.	3.3	57
77	Uncertainty-based sensitivity indices for imprecise probability distributions. <i>Reliability Engineering and System Safety</i> , 2006, 91, 1443-1451.	8.9	56
78	Exploring Cooperative Transboundary River Management Strategies for the Eastern Nile Basin. <i>Water Resources Research</i> , 2018, 54, 9224-9254.	4.2	56
79	Information gap analysis of flood model uncertainties and regional frequency analysis. <i>Water Resources Research</i> , 2010, 46, .	4.2	54
80	A large set of potential past, present and future hydro-meteorological time series for the UK. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 611-634.	4.9	54
81	Drought and climate change impacts on cooling water shortages and electricity prices in Great Britain. <i>Nature Communications</i> , 2020, 11, 2239.	12.8	53
82	Impacts of climate change on coastal flood risk in England and Wales: 2030-2100. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 1027-1049.	3.4	52
83	A software-supported process for assembling evidence and handling uncertainty in decision-making. <i>Decision Support Systems</i> , 2003, 35, 415-433.	5.9	51
84	Numerical rivers: A synthetic streamflow generator for water resources vulnerability assessments. <i>Water Resources Research</i> , 2015, 51, 5382-5405.	4.2	50
85	Probabilistic spatial risk assessment of heat impacts and adaptations for London. <i>Climatic Change</i> , 2014, 124, 105-117.	3.6	49
86	Variance-based sensitivity analysis of the probability of hydrologically induced slope instability. <i>Computers and Geosciences</i> , 2006, 32, 803-817.	4.2	46
87	Bayesian calibration of a flood inundation model using spatial data. <i>Water Resources Research</i> , 2011, 47, .	4.2	46
88	Trading off tolerable risk with climate change adaptation costs in water supply systems. <i>Water Resources Research</i> , 2016, 52, 622-643.	4.2	46
89	A systems framework for national assessment of climate risks to infrastructure. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170298.	3.4	46
90	Advances in flood risk management under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 375-377.	4.0	45

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91	Responding to Global Challenges in Food, Energy, Environment and Water: Risks and Options Assessment for Decision-Making. Asia and the Pacific Policy Studies, 2016, 3, 275-299.	1.5	45
92	Epistemic uncertainties and natural hazard risk assessment – Part 1: A review of different natural hazard areas. Natural Hazards and Earth System Sciences, 2018, 18, 2741-2768.	3.6	45
93	Geomorphic change in the Ganges-Brahmaputra-Meghna delta. Nature Reviews Earth & Environment, 2021, 2, 763-780.	29.7	45
94	Imprecise probabilities of climate change: aggregation of fuzzy scenarios and model uncertainties. Climatic Change, 2007, 81, 265-281.	3.6	44
95	Uncertainty analysis in a slope hydrology and stability model using probabilistic and imprecise information. Computers and Geotechnics, 2004, 31, 529-536.	4.7	43
96	Future flood risk management in the UK. Water Management, 2006, 159, 53-61.	1.2	43
97	Adaptation pathways in practice: Mapping options and trade-offs for London's water resources. Sustainable Cities and Society, 2016, 27, 386-397.	10.4	43
98	A Probabilistic Model of the Economic Risk to Britain's Railway Network from Bridge Scour During Floods. Risk Analysis, 2019, 39, 2457-2478.	2.7	43
99	Renewable energy and household economy in rural China. Renewable Energy, 2020, 155, 669-676.	8.9	43
100	Infrastructure as a Complex Adaptive System. Complexity, 2018, 2018, 1-11.	1.6	42
101	The potential of Tidal River Management for flood alleviation in South Western Bangladesh. Science of the Total Environment, 2020, 731, 138747.	8.0	41
102	An Agent-Based Model of Flood Risk and Insurance. Jasss, 2017, 20, .	1.8	41
103	Decision Analysis for Management of Natural Hazards. Annual Review of Environment and Resources, 2016, 41, 489-516.	13.4	40
104	Assessment of climate change mitigation and adaptation in cities. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2011, 164, 75-84.	0.7	39
105	Experiences of integrated assessment of climate impacts, adaptation and mitigation modelling in London and Durban. Environment and Urbanization, 2013, 25, 361-380.	2.6	39
106	Water and climate risks to power generation with carbon capture and storage. Environmental Research Letters, 2016, 11, 024011.	5.2	39
107	Adaptation thresholds and pathways for tidal flood risk management in London. Climate Risk Management, 2019, 24, 42-58.	3.2	39
108	A high-resolution spatio-temporal energy demand simulation to explore the potential of heating demand side management with large-scale heat pump diffusion. Applied Energy, 2019, 236, 997-1010.	10.1	39

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109	Epistemic uncertainties and natural hazard risk assessment – Part 2: What should constitute good practice?. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 2769-2783.	3.6	37
110	A methodology for national-scale flood risk assessment. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2003, 156, 235-247.	0.2	37
111	An evaluation of thermal Earth observation for characterizing urban heatwave event dynamics using the urban heat island intensity metric. <i>International Journal of Remote Sensing</i> , 2013, 34, 864-884.	2.9	35
112	The role of storage capacity in coping with intra- and inter-annual water variability in large river basins. <i>Environmental Research Letters</i> , 2015, 10, 125001.	5.2	34
113	Dependency of Crop Production between Global Breadbaskets: A Copula Approach for the Assessment of Global and Regional Risk Pools. <i>Risk Analysis</i> , 2017, 37, 2212-2228.	2.7	34
114	Development and appraisal of long-term adaptation pathways for managing heat-risk in London. <i>Climate Risk Management</i> , 2017, 16, 73-92.	3.2	34
115	Understanding Business Disruption and Economic Losses Due to Electricity Failures and Flooding. <i>International Journal of Disaster Risk Science</i> , 2019, 10, 421-438.	2.9	32
116	Time-dependent reliability analysis of flood defences. <i>Reliability Engineering and System Safety</i> , 2009, 94, 1942-1953.	8.9	31
117	Real Options Analysis of Adaptation to Changing Flood Risk: Structural and Nonstructural Measures. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2017, 3, .	1.7	31
118	Identifying key technology and policy strategies for sustainable cities: A case study of London. <i>Environmental Development</i> , 2017, 21, 1-18.	4.1	31
119	The Spatial Dynamics of Droughts and Water Scarcity in England and Wales. <i>Water Resources Research</i> , 2020, 56, e2020WR027187.	4.2	31
120	Targeting climate adaptation to safeguard and advance the Sustainable Development Goals. <i>Nature Communications</i> , 2022, 13, .	12.8	31
121	The delusive accuracy of global irrigation water withdrawal estimates. <i>Nature Communications</i> , 2022, 13, .	12.8	30
122	Decision tree for choosing an uncertainty analysis methodology: a wiki experiment. <i>Hydrological Processes</i> , 2006, 20, 3793-3798.	2.6	29
123	Energy system impacts from heat and transport electrification. <i>Proceedings of Institution of Civil Engineers: Energy</i> , 2014, 167, 139-151.	0.6	29
124	Stochastic Counterfactual Risk Analysis for the Vulnerability Assessment of Cyber-Physical Attacks on Electricity Distribution Infrastructure Networks. <i>Risk Analysis</i> , 2019, 39, 2012-2031.	2.7	29
125	Assessing the Long-Term Performance of Cross-Sectoral Strategies for National Infrastructure. <i>Journal of Infrastructure Systems</i> , 2014, 20, 04014014.	1.8	28
126	A multi-scale urban integrated assessment framework for climate change studies: A flooding application. <i>Computers, Environment and Urban Systems</i> , 2019, 75, 229-243.	7.1	28



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127	Contrasting development trajectories for coastal Bangladesh to the end of century. <i>Regional Environmental Change</i> , 2020, 20, 1.	2.9	28
128	Coastal landslide activity: a probabilistic simulation model. <i>Bulletin of Engineering Geology and the Environment</i> , 2002, 61, 347-355.	3.5	27
129	The Tyndall coastal simulator. <i>Journal of Coastal Conservation</i> , 2011, 15, 325-335.	1.6	27
130	Systems-of-systems analysis of national infrastructure. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2013, 166, 249-257.	0.7	27
131	Policy choices can help keep 4G and 5G universal broadband affordable. <i>Technological Forecasting and Social Change</i> , 2022, 176, 121409.	11.6	27
132	Handling uncertainty in extreme or unrepeatable hydrological processes?the need for an alternative paradigm. <i>Hydrological Processes</i> , 2002, 16, 1867-1870.	2.6	26
133	Asset-management strategies for infrastructure embankments. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2009, 162, 111-120.	0.7	26
134	Implications of climate change for thermal discomfort on underground railways. <i>Transportation Research, Part D: Transport and Environment</i> , 2014, 30, 1-9.	6.8	26
135	Creating an ensemble of future strategies for national infrastructure provision. <i>Futures</i> , 2015, 66, 13-24.	2.5	26
136	Geographic Hotspots of Critical National Infrastructure. <i>Risk Analysis</i> , 2017, 37, 2490-2505.	2.7	26
137	Avoiding the water-poverty trap: insights from a conceptual human-water dynamical model for coastal Bangladesh. <i>International Journal of Water Resources Development</i> , 2018, 34, 900-922.	2.0	26
138	Evaluating the Benefits of Adaptation of Critical Infrastructures to Hydrometeorological Risks. <i>Risk Analysis</i> , 2018, 38, 134-150.	2.7	26
139	The role of infrastructure in macroeconomic growth theories. <i>Civil Engineering and Environmental Systems</i> , 2013, 30, 263-273.	0.9	25
140	Assessment of Risks to Public Water Supply From Low Flows and Harmful Water Quality in a Changing Climate. <i>Water Resources Research</i> , 2019, 55, 10386-10404.	4.2	25
141	Influence Diagrams for Representing Uncertainty in Climate-Related Propositions. <i>Climatic Change</i> , 2005, 69, 343-365.	3.6	24
142	Climate Scenarios and Decision Making under Uncertainty. <i>Built Environment</i> , 2007, 33, 10-30.	0.8	24
143	Water " and nutrient and energy " systems in urbanizing watersheds. <i>Frontiers of Environmental Science and Engineering</i> , 2012, 6, 596-611.	6.0	24
144	Risk-based water resources planning in practice: a blueprint for the water industry in England. <i>Water and Environment Journal</i> , 2020, 34, 441-454.	2.2	24

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145	A decision-support methodology for performance-based asset management. Civil Engineering and Environmental Systems, 2004, 21, 51-75.	0.9	23
146	The spatial exposure of the Chinese infrastructure system to flooding and drought hazards. Natural Hazards, 2016, 80, 1083-1118.	3.4	23
147	A Quantified System-of-Systems Modeling Framework for Robust National Infrastructure Planning. IEEE Systems Journal, 2016, 10, 385-396.	4.6	23
148	A positivity-preserving zero-inertia model for flood simulation. Computers and Fluids, 2011, 46, 505-511.	2.5	22
149	Computational decision analysis for flood risk management in an uncertain future. Journal of Hydroinformatics, 2012, 14, 537-561.	2.4	22
150	Long-Term Changes in Global Socioeconomic Benefits of Flood Defenses and Residual Risk Based on CMIP5 Climate Models. Earth's Future, 2018, 6, 938-954.	6.3	22
151	Can we calculate drought risk and do we need to?. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1349.	6.5	22
152	Spatial analysis of the reliability of transport networks subject to rainfall-induced landslides. Hydrological Processes, 2008, 22, 3349-3360.	2.6	21
153	Robust decision-making under uncertainty – towards adaptive and resilient flood risk management infrastructure. , 2012, , 281-302.		21
154	A transient stochastic weather generator incorporating climate model uncertainty. Advances in Water Resources, 2015, 85, 14-26.	3.8	21
155	Random sets of probability measures in slope hydrology and stability analysis. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2004, 84, 710-720.	1.6	20
156	Re-engineering cities as forces for good in the environment. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2010, 163, 31-46.	0.7	20
157	iCOASST – INTEGRATING COASTAL SEDIMENT SYSTEMS. Coastal Engineering Proceedings, 2012, 1, 100.	0.1	20
158	On not undermining the science: coherence, validation and expertise. Discussion of Invited Commentary by Keith Beven Hydrological Processes, 20, 3141–3146 (2006). Hydrological Processes, 2007, 21, 985-988.	2.6	19
159	Resilience of Water Resource Systems: Lessons from England. Water Security, 2019, 8, 100052.	2.5	19
160	The myriad challenges of the Paris Agreement. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20180066.	3.4	18
161	The implications of ambitious decarbonisation of heat and road transport for Britain's net zero carbon energy systems. Applied Energy, 2022, 305, 117905.	10.1	18
162	Causal Loop Analysis of coastal geomorphological systems. Geomorphology, 2016, 256, 36-48.	2.6	17

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163	Strategic analysis of the future of national infrastructure. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2017, 170, 39-47.	0.3	17
164	Coastal Modelling Environment version 1.0: a framework for integrating landform-specific component models in order to simulate decadal to centennial morphological changes on complex coasts. Geoscientific Model Development, 2017, 10, 2715-2740.	3.6	17
165	Analysis of the relationship between rainfall and economic growth in Indian states. Global Environmental Change, 2018, 49, 56-72.	7.8	17
166	A Probabilistic Analysis of Surface Water Flood Risk in London. Risk Analysis, 2018, 38, 1169-1182.	2.7	17
167	How weather affects energy demand variability in the transition towards sustainable heating. Energy, 2020, 195, 116947.	8.8	17
168	Geospatial multi-criteria analysis for identifying optimum wind and solar sites in Africa: Towards effective power sector decarbonization. Renewable and Sustainable Energy Reviews, 2022, 158, 112107.	16.4	17
169	Fusion of expert and learnt knowledge in a framework of fuzzy labels. International Journal of Approximate Reasoning, 2004, 36, 151-198.	3.3	16
170	A systemic risk framework to improve the resilience of port and supply-chain networks to natural hazards. Maritime Economics and Logistics, 2022, 24, 489-506.	4.0	16
171	Risk-based benefit assessment of coastal cliff protection. Proceedings of the Institution of Civil Engineers Water and Maritime Engineering, 2000, 142, 127-139.	0.3	15
172	Feedback structure of cliff and shore platform morphodynamics. Journal of Coastal Conservation, 2015, 19, 847-859.	1.6	15
173	A multi-scale framework for flood risk analysis at spatially distributed locations. Journal of Flood Risk Management, 2017, 10, 124-137.	3.3	15
174	Water Stress and Productivity: An Empirical Analysis of Trends and Drivers. Water Resources Research, 2020, 56, e2019WR025925.	4.2	15
175	Relation between Dislocation Density and Catalytic Activity and Effects of Physical Treatment. Industrial & Engineering Chemistry Fundamentals, 1964, 3, 158-167.	0.7	14
176	A framework for long-term scenario analysis in the <scp>T</scp>aihu <scp>B</scp>asin, <scp>C</scp>hina. Journal of Flood Risk Management, 2013, 6, 3-13.	3.3	14
177	The Resilience of Inter-basin Transfers to Severe Droughts With Changing Spatial Characteristics. Frontiers in Environmental Science, 2020, 8, .	3.3	14
178	The unequal distribution of water risks and adaptation benefits in coastal Bangladesh. Nature Sustainability, 2022, 5, 294-302.	23.7	14
179	Broad scale quantified flood risk analysis in the Taihu Basin, China. Journal of Flood Risk Management, 2013, 6, 57-68.	3.3	13
180	Drivers of water use in China's electric power sector from 2000 to 2015. Environmental Research Letters, 2018, 13, 094010.	5.2	13

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181	Socio-Hydrology in Perspective” Circa 2018. <i>Water Resources Research</i> , 2019, 55, 1776-1777.	4.2	13
182	Fuzzy label methods for constructing imprecise limit state functions. <i>Structural Safety</i> , 2003, 25, 317-341.	5.3	12
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