Jim Hall

List of Publications by Year
in descending order

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	A multi-track rail model for estimating journey impacts from extreme weather events: a case study of Great Britainâ€™s rail network. International Journal of Rail Transportation, 2022, 10, 133-158.	2.7	4
2	The influence of temporal variability and reservoir management on demand-response in the water sector. Applied Energy, 2022, 305, 117808.	10.1	4
3	The implications of ambitious decarbonisation of heat and road transport for Britainâ€™s net zero carbon energy systems. Applied Energy, 2022, 305, 117905.	10.1	18
4	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
5	Policy choices can help keep 4G and 5G universal broadband affordable. Technological Forecasting and Social Change, 2022, 176, 121409.	11.6	27
6	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
7	The unequal distribution of water risks and adaptation benefits in coastal Bangladesh. Nature Sustainability, 2022, 5, 294-302.	23.7	14
8	Thank You to Our 2021 Reviewers. Water Resources Research, 2022, 58, .	4.2	0
9	Targeting climate adaptation to safeguard and advance the Sustainable Development Goals. Nature Communications, 2022, 13, .	12.8	31
10	The delusive accuracy of global irrigation water withdrawal estimates. Nature Communications, 2022, 13, .	12.8	30
11	Where is the Planetary Boundary for freshwater being exceeded because of livestock farming?. Science of the Total Environment, 2021, 760, 144035.	8.0	10
12	Observed impacts of the COVID-19 pandemic on global trade. Nature Human Behaviour, 2021, 5, 305-307.	12.0	71
13	Infrastructure Strategies for Achieving the Global Development Agendas in Small Islands. Earth's Future, 2021, 9, e2020EF001699.	6.3	9
14	The utility of built environment geospatial data for high-resolution dasymetric global population modeling. Computers, Environment and Urban Systems, 2021, 86, 101594.	7.1	7
15	Thank You to Our 2020 Reviewers. Water Resources Research, 2021, 57, e2021WR029938.	4.2	0
16	Water shortage risks for Chinaâ€™s coal power plants under climate change. Environmental Research Letters, 2021, 16, 044011.	5.2	5
17	Global economic impacts of COVID-19 lockdown measures stand out in high-frequency shipping data. PLoS ONE, 2021, 16, e0248818.	2.5	83
18	Selecting Indicators and Optimizing Decision Rules for Longâ€Term Water Resources Planning. Water Resources Research, 2021, 57, e2020WR028117.	4.2	7

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19	Operationalizing the net-negative carbon economy. Nature, 2021, 596, 377-383.	27.8	87
20	Optimizing Rural Drinking Water Supply Infrastructure to Account for Spatial Variations in Groundwater Quality and Household Welfare in Coastal Bangladesh. Water Resources Research, 2021, 57, e2021WR029621.	4.2	11
21	An Integrated Framework for Riskâ€Based Analysis of Economic Impacts of Drought and Water Scarcity in England and Wales. Water Resources Research, 2021, 57, e2020WR027715.	4.2	12
22	Assessing water security across scales: A case study of the United States. Applied Geography, 2021, 134, 102500.	3.7	12
23	The Influence of Built Form and Area on the Performance of Sustainable Drainage Systems (SuDS). Future Cities and Environment, 2021, 7, .	1.6	2
24	Geomorphic change in the Gangesâ€“Brahmaputraâ€“Meghna delta. Nature Reviews Earth & Environment, 2021, 2, 763-780.	29.7	45
25	Informing national adaptation for sustainable development through spatial systems modelling. Global Environmental Change, 2021, 71, 102396.	7.8	7
26	Riskâ€based water resources planning in practice: a blueprint for the water industry in England. Water and Environment Journal, 2020, 34, 441-454.	2.2	24
27	Changing risks of simultaneous global breadbasket failure. Nature Climate Change, 2020, 10, 54-57.	18.8	132
28	Contrasting development trajectories for coastal Bangladesh to the end of century. Regional Environmental Change, 2020, 20, 1.	2.9	28
29	Understanding and managing new risks on the Nile with the Grand Ethiopian Renaissance Dam. Nature Communications, 2020, 11, 5222.	12.8	87
30	Multi-objective optimization of energy and greenhouse gas emissions in water pumping and treatment. Water Science and Technology, 2020, 82, 2745-2760.	2.5	8
31	A diagnostic dashboard to evaluate country water security. Water Policy, 2020, 22, 825-849.	1.5	7
32	The Spatial Dynamics of Droughts and Water Scarcity in England and Wales. Water Resources Research, 2020, 56, e2020WR027187.	4.2	31
33	The Resilience of Inter-basin Transfers to Severe Droughts With Changing Spatial Characteristics. Frontiers in Environmental Science, 2020, 8, .	3.3	14
34	Thank You to Our 2019 Reviewers. Water Resources Research, 2020, 56, e2020WR027684.	4.2	0
35	Port disruptions due to natural disasters: Insights into port and logistics resilience. Transportation Research, Part D: Transport and Environment, 2020, 85, 102393.	6.8	76
36	The potential of Tidal River Management for flood alleviation in South Western Bangladesh. Science of the Total Environment, 2020, 731, 138747.	8.0	41

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37	Drought and climate change impacts on cooling water shortages and electricity prices in Great Britain. Nature Communications, 2020, 11, 2239.	12.8	53
38	Water Stress and Productivity: An Empirical Analysis of Trends and Drivers. Water Resources Research, 2020, 56, e2019WR025925.	4.2	15
39	The effects of changing land use and flood hazard on poverty in coastal Bangladesh. Land Use Policy, 2020, 99, 104868.	5.6	116
40	How weather affects energy demand variability in the transition towards sustainable heating. Energy, 2020, 195, 116947.	8.8	17
41	An Analysis of Electricity Consumption Patterns in the Water and Wastewater Sectors in South East England, UK. Water (Switzerland), 2020, 12, 225.	2.7	12
42	Pollution exacerbates Chinaâ€™s water scarcity and its regional inequality. Nature Communications, 2020, 11, 650.	12.8	260
43	Renewable energy and household economy in rural China. Renewable Energy, 2020, 155, 669-676.	8.9	43
44	Tackling the Trickle: Ensuring Sustainable Water Management in the Arab Region. Earth's Future, 2020, 8, e2020EF001495.	6.3	8
45	Predicting spatial and temporal variability in crop yields: an inter-comparison of machine learning, regression and process-based models. Environmental Research Letters, 2020, 15, 044027.	5.2	79
46	Quantifying the energy consumption and greenhouse gas emissions of changing wastewater quality standards. Water Science and Technology, 2020, 81, 1283-1295.	2.5	3
47	A Simulation Tool to Guide Infrastructure Decisions: System-of-Systems Modeling Aids Prioritization and Uncertainty Planning. IEEE Systems, Man, and Cybernetics Magazine, 2019, 5, 10-20.	1.4	1
48	Can we calculate drought riskâ€¦ and do we need to?. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1349.	6.5	22
49	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
50	A global multi-hazard risk analysis of road and railway infrastructure assets. Nature Communications, 2019, 10, 2677.	12.8	213
51	UK reveals new platform for infrastructure data analysis and simulation modelling. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2019, 172, 102-102.	0.3	1
52	Delivering on the Sustainable Development Goals through long-term infrastructure planning. Global Environmental Change, 2019, 59, 101975.	7.8	80
53	Assessment of Risks to Public Water Supply From Low Flows and Harmful Water Quality in a Changing Climate. Water Resources Research, 2019, 55, 10386-10404.	4.2	25
54	Understanding Business Disruption and Economic Losses Due to Electricity Failures and Flooding. International Journal of Disaster Risk Science, 2019, 10, 421-438.	2.9	32

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55	A systems-based assessment of Palestine's current and future infrastructure requirements. Journal of Environmental Management, 2019, 234, 200-213.	7.8	11
56	Have coastal embankments reduced flooding in Bangladesh?. Science of the Total Environment, 2019, 682, 405-416.	8.0	76
57	Increasing risks of multiple breadbasket failure under 1.5 and 2â€Â°C global warming. Agricultural Systems, 2019, 175, 34-45.	6.1	64
58	Electricity systems capacity expansion under cooling water availability constraints. IET Energy Systems Integration, 2019, 1, 23-33.	1.8	6
59	Adaptation thresholds and pathways for tidal flood risk management in London. Climate Risk Management, 2019, 24, 42-58.	3.2	39
60	Managing nitrogen to restore water quality in China. Nature, 2019, 567, 516-520.	27.8	667
61	A multi-scale urban integrated assessment framework for climate change studies: A flooding application. Computers, Environment and Urban Systems, 2019, 75, 229-243.	7.1	28
62	Socioâ€Hydrology in Perspectiveâ€"Circa 2018. Water Resources Research, 2019, 55, 1776-1777.	4.2	13
63	Stochastic Counterfactual Risk Analysis for the Vulnerability Assessment of Cyberâ€Physical Attacks on Electricity Distribution Infrastructure Networks. Risk Analysis, 2019, 39, 2012-2031.	2.7	29
64	Participatory planning of the future of waste management in small island developing states to deliver on the Sustainable Development Goals. Journal of Cleaner Production, 2019, 223, 147-162.	9.3	87
65	Infrastructure for sustainable development. Nature Sustainability, 2019, 2, 324-331.	23.7	371
66	Multi-Scale Assessment of the Economic Impacts of Flooding: Evidence from Firm to Macro-Level Analysis in the Chinese Manufacturing Sector. Sustainability, 2019, 11, 1933.	3.2	12
67	Resilience of Water Resource Systems: Lessons from England. Water Security, 2019, 8, 100052.	2.5	19
68	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
69	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
70	Analysis of the relationship between rainfall and economic growth in Indian states. Global Environmental Change, 2018, 49, 56-72.	7.8	17
71	Integrating human behaviour dynamics into flood disaster risk assessment. Nature Climate Change, 2018, 8, 193-199.	18.8	327
72	Risk, Robustness and Water Resources Planning Under Uncertainty. Earth's Future, 2018, 6, 468-487.	6.3	77

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73	Assessing the Impacts of Extreme Agricultural Droughts in China Under Climate and Socioeconomic Changes. Earth's Future, 2018, 6, 689-703.	6.3	72
74	The strategic national infrastructure assessment of digital communications. Digital Policy, Regulation and Governance, 2018, 20, 197-210.	1.6	12
75	Navigating the water trilemma: a strategic assessment of longâ€term national water resource management options for Great Britain. Water and Environment Journal, 2018, 32, 546-555.	2.2	10
76	The myriad challenges of the Paris Agreement. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20180066.	3.4	18
77	Critical infrastructure impact assessment due to flood exposure. Journal of Flood Risk Management, 2018, 11, 22-33.	3.3	99
78	Avoiding the water-poverty trap: insights from a conceptual human-water dynamical model for coastal Bangladesh. International Journal of Water Resources Development, 2018, 34, 900-922.	2.0	26
79	Evaluating the Benefits of Adaptation of Critical Infrastructures to Hydrometeorological Risks. Risk Analysis, 2018, 38, 134-150.	2.7	26
80	A Probabilistic Analysis of Surface Water Flood Risk in London. Risk Analysis, 2018, 38, 1169-1182.	2.7	17
81	Preserving Key Topological and Structural Features in the Synthesis of Multilevel Electricity Networks for Modeling of Resilience and Risk. Journal of Infrastructure Systems, 2018, 24, 04017043.	1.8	3
82	A Linear Programming Approach to Water Allocation during a Drought. Water (Switzerland), 2018, 10, 363.	2.7	12
83	Epistemic uncertainties and natural hazard risk assessment â€“ PartÂ2: What should constitute good practice?. Natural Hazards and Earth System Sciences, 2018, 18, 2769-2783.	3.6	37
84	Infrastructure as a Complex Adaptive System. Complexity, 2018, 2018, 1-11.	1.6	42
85	Epistemic uncertainties and natural hazard risk assessment â€“ Part 1: A review of different natural hazard areas. Natural Hazards and Earth System Sciences, 2018, 18, 2741-2768.	3.6	45
86	Drivers of water use in Chinaâ€™s electric power sector from 2000 to 2015. Environmental Research Letters, 2018, 13, 094010.	5.2	13
87	A dynamic agricultural prediction system for large-scale drought assessment on the Sunway TaihuLight supercomputer. Computers and Electronics in Agriculture, 2018, 154, 400-410.	7.7	7
88	Exploring Cooperative Transboundary River Management Strategies for the Eastern Nile Basin. Water Resources Research, 2018, 54, 9224-9254.	4.2	56
89	Appreciation for Water Resources Research Reviewers. Water Resources Research, 2018, 54, 7114-7137.	4.2	0
90	Identifying precipitation uncertainty in crop modelling using Bayesian total error analysis. European Journal of Agronomy, 2018, 101, 248-258.	4.1	1

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91	A large set of potential past, present and future hydro-meteorological time series for the UK. Hydrology and Earth System Sciences, 2018, 22, 611-634.	4.9	54
92	A systems framework for national assessment of climate risks to infrastructure. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170298.	3.4	46
93	Meat consumption, health, and the environment. Science, 2018, 361, .	12.6	1,031
94	Longâ€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
95	Categorising virtual water transfers through Chinaâ€™s electric power sector. Applied Energy, 2018, 226, 252-260.	10.1	58
96	A multiâ€scale framework for flood risk analysis at spatially distributed locations. Journal of Flood Risk Management, 2017, 10, 124-137.	3.3	15
97	Dependency of Crop Production between Global Breadbaskets: A Copula Approach for the Assessment of Global and Regional Risk Pools. Risk Analysis, 2017, 37, 2212-2228.	2.7	34
98	Strategic analysis of the future of national infrastructure. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2017, 170, 39-47.	0.3	17
99	Looking back and looking forward. Journal of Flood Risk Management, 2017, 10, 3-4.	3.3	1
100	System-of-systems formulation and disruption analysis for multi-scale critical national infrastructures. Reliability Engineering and System Safety, 2017, 167, 30-41.	8.9	65
101	Geographic Hotspots of Critical National Infrastructure. Risk Analysis, 2017, 37, 2490-2505.	2.7	26
102	Real Options Analysis of Adaptation to Changing Flood Risk: Structural and Nonstructural Measures. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, .	1.7	31
103	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
104	Development and appraisal of long-term adaptation pathways for managing heat-risk in London. Climate Risk Management, 2017, 16, 73-92.	3.2	34
105	A restatement of the natural science evidence concerning catchment-based â€˜naturalâ€™ flood management in the UK. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160706.	2.1	184
106	A Scenario-Based Framework for Assessing the Economic Impacts of Potential Droughts. Water Economics and Policy, 2017, 03, 1750007.	1.0	11
107	Water security, risk, and economic growth: Insights from a dynamical systems model. Water Resources Research, 2017, 53, 6425-6438.	4.2	59
108	Valuing water for sustainable development. Science, 2017, 358, 1003-1005.	12.6	136

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109	The Economic Impacts of Droughts: A Framework for Analysis. Ecological Economics, 2017, 132, 196-204.	5.7	86
110	Identifying key technology and policy strategies for sustainable cities: A case study of London. Environmental Development, 2017, 21, 1-18.	4.1	31
111	Coastal Modelling Environment version 1.0: aÂframework 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
112	Water for energy in China. , 2017, , 67-87.		1
113	An Agent-Based Model of Flood Risk and Insurance. Jasss, 2017, 20, .	1.8	41
114	Water and climate risks to power generation with carbon capture and storage. Environmental Research Letters, 2016, 11, 024011.	5.2	39
115	Uncertainty and sensitivity analysis of flood risk management decisions based on stationary and nonstationary model choices. E3S Web of Conferences, 2016, 7, 20003.	0.5	6
116	Towards a whole-network risk assessment for railway bridge failures caused by scour during flood events. E3S Web of Conferences, 2016, 7, 11002.	0.5	2
117	Cooperative filling approaches for the Grand Ethiopian Renaissance Dam. Water International, 2016, 41, 611-634.	1.0	127
118	Decision Analysis for Management of Natural Hazards. Annual Review of Environment and Resources, 2016, 41, 489-516.	13.4	40
119	Adaptation pathways in practice: Mapping options and trade-offs for Londonâ€™s water resources. Sustainable Cities and Society, 2016, 27, 386-397.	10.4	43
120	Journal of Flood Risk Management. Journal of Flood Risk Management, 2016, 9, 1-2.	3.3	1
121	Responding to Global Challenges in Food, Energy, Environment and Water: Risks and Options Assessment for Decisionâ€Making. Asia and the Pacific Policy Studies, 2016, 3, 275-299.	1.5	45
122	Techniques for valuing adaptive capacity in flood risk management. Water Management, 2016, 169, 75-84.	1.2	8
123	Water use in Chinaâ€™s thermoelectric power sector. Global Environmental Change, 2016, 41, 142-152.	7.8	106
124	Believe it or not? The challenge of validating large scale probabilistic risk models. E3S Web of Conferences, 2016, 7, 11004.	0.5	4
125	Surface water flood risk and management strategies for London: An Agent-Based Model approach. E3S Web of Conferences, 2016, 7, 22003.	0.5	2
126	Tradingâ€off tolerable risk with climate change adaptation costs in water supply systems. Water Resources Research, 2016, 52, 622-643.	4.2	46

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127	The spatial exposure of the Chinese infrastructure system to flooding and drought hazards. Natural Hazards, 2016, 80, 1083-1118.	3.4	23
128	Deluged with doubt. New Scientist, 2016, 229, 26-27.	0.0	0
129	A Quantified System-of-Systems Modeling Framework for Robust National Infrastructure Planning. IEEE Systems Journal, 2016, 10, 385-396.	4.6	23
130	Sensitivity analysis of environmental models: A systematic review with practical workflow. Environmental Modelling and Software, 2016, 79, 214-232.	4.5	926
131	Causal Loop Analysis of coastal geomorphological systems. Geomorphology, 2016, 256, 36-48.	2.6	17
132	Assessing water resource system vulnerability to unprecedented hydrological drought using copulas to characterize drought duration and deficit. Water Resources Research, 2015, 51, 8927-8948.	4.2	66
133	Numerical rivers: A synthetic streamflow generator for water resources vulnerability assessments. Water Resources Research, 2015, 51, 5382-5405.	4.2	50
134	Cooling water for Britain's future electricity supply. Proceedings of Institution of Civil Engineers: Energy, 2015, 168, 188-204.	0.6	7
135	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
136	Responding to adaptation emergencies. Nature Climate Change, 2015, 5, 6-7.	18.8	9
137	The role of storage capacity in coping with intra- and inter-annual water variability in large river basins. Environmental Research Letters, 2015, 10, 125001.	5.2	34
138	Creating an ensemble of future strategies for national infrastructure provision. Futures, 2015, 66, 13-24.	2.5	26
139	Feedback structure of cliff and shore platform morphodynamics. Journal of Coastal Conservation, 2015, 19, 847-859.	1.6	15
140	A transient stochastic weather generator incorporating climate model uncertainty. Advances in Water Resources, 2015, 85, 14-26.	3.8	21
141	Broadscale Coastal Inundation Modelling. Advances in Global Change Research, 2015, , 213-232.	1.6	1
142	Analysing Flood and Erosion Risks and Coastal Management Strategies on the Norfolk Coast. Advances in Global Change Research, 2015, , 233-254.	1.6	3
143	A MULTI-LANDFORM NUMERICAL FRAMEWORK FOR MODELLING LARGE SCALE COASTAL MORPHODYNAMICS. , 2015, , .		1
144	Integrated Coastal Assessment: The Way Forward. Advances in Global Change Research, 2015, , 349-378.	1.6	0

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145	Simulating the Shore and Cliffs of North Norfolk. Advances in Global Change Research, 2015, , 187-211.	1.6	0
146	Uncertainty and Sensitivity Analysis of Current and Future Flood Risk in the Thames Estuary. , 2014, , 357-384.		0
147	Water Security and Society: Risks, Metrics, and Pathways. Annual Review of Environment and Resources, 2014, 39, 611-639.	13.4	102
148	Flood Risk Management: Decision Making Under Uncertainty. , 2014, , 3-24.		10
149	Editorial: steps towards global flood risk modelling. Journal of Flood Risk Management, 2014, 7, 193-194.	3.3	9
150	Flood Risk Management Decision Analysis with Finite Historical Records and Highly Variable Climate Effects. , 2014, , .		2
151	Computing flood risk in areas protected by flood defences. Water Management, 2014, 167, 38-50.	1.2	5
152	Too Big to Fail? The Spatial Vulnerability of the Chinese Infrastructure System to Flooding Risks. , 2014, , .		3
153	Coping with the curse of freshwater variability. Science, 2014, 346, 429-430.	12.6	155
154	A National Model for Strategic Planning of Infrastructure Systems. , 2014, , .		4
155	Assessing the Long-Term Performance of Cross-Sectoral Strategies for National Infrastructure. Journal of Infrastructure Systems, 2014, 20, 04014014.	1.8	28
156	Electricity generation and cooling water use: UK pathways to 2050. Global Environmental Change, 2014, 25, 16-30.	7.8	151
157	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
158	Probabilistic spatial risk assessment of heat impacts and adaptations for London. Climatic Change, 2014, 124, 105-117.	3.6	49
159	Implications of climate change for thermal discomfort on underground railways. Transportation Research, Part D: Transport and Environment, 2014, 30, 1-9.	6.8	26
160	Energy system impacts from heat and transport electrification. Proceedings of Institution of Civil Engineers: Energy, 2014, 167, 139-151.	0.6	29
161	A Risk-Based Framework for Water Planning under Non-Stationary Climate Change. , 2014, , .		1
162	Characterizing the Vulnerability of Future Configurations of Great Britain's Electricity Network Infrastructure to Climate-related Hazards. , 2014, , .		4

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163	Spatial Risk Analysis of Interdependent Infrastructures Subjected to Extreme Hazards. , 2014, , .		4
164	Riskâ€based water resources planning: Incorporating probabilistic nonstationary climate uncertainties. Water Resources Research, 2014, 50, 6850-6873.	4.2	90
165	An evaluation of thermal Earth observation for characterizing urban heatwave event dynamics using the urban heat island intensity metric. International Journal of Remote Sensing, 2013, 34, 864-884.	2.9	35
166	Broad scale quantified flood risk analysis in the Taihu Basin, China. Journal of Flood Risk Management, 2013, 6, 57-68.	3.3	13
167	A framework for longâ€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
168	Risk-based principles for defining and managing water security. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120407.	3.4	78
169	Systems-of-systems analysis of national infrastructure. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2013, 166, 249-257.	0.7	27
170	From flood science to flood policy: the Foresight Future Flooding project seven years on. Foresight, 2013, 15, 190-210.	2.1	4
171	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
172	The role of infrastructure in macroeconomic growth theories. Civil Engineering and Environmental Systems, 2013, 30, 263-273.	0.9	25
173	Preface. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20130262.	3.4	1
174	Vulnerability of Londonâ€™s Economy to Climate Change: Sensitivity to Production Loss. Journal of Environmental Protection, 2013, 04, 548-563.	0.7	9
175	Proportionate adaptation. Nature Climate Change, 2012, 2, 833-834.	18.8	72
176	Closure to â€œA 2D shallow flow model for practical dam-break simulationâ€• Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 544-545.	1.7	0
177	A GIS-supported impact assessment of the hierarchical flood-defense systems on the plain areas of the Taihu Basin, China. International Journal of Geographical Information Science, 2012, 26, 643-665.	4.8	12
178	Robust decision-making under uncertainty â€“ towards adaptive and resilient flood risk management infrastructure. , 2012, , 281-302.		21
179	Computational decision analysis for flood risk management in an uncertain future. Journal of Hydroinformatics, 2012, 14, 537-561.	2.4	22
180	Water â€” and nutrient and energy â€” systems in urbanizing watersheds. Frontiers of Environmental Science and Engineering, 2012, 6, 596-611.	6.0	24

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181	Towards riskâ€based water resources planning in England and Wales under a changing climate. Water and Environment Journal, 2012, 26, 118-129.	2.2	65
182	Robust Climate Policies Under Uncertainty: A Comparison of Robust Decision Making and Infoâ€Gap Methods. Risk Analysis, 2012, 32, 1657-1672.	2.7	221
183	Enhanced efficiency of pluvial flood risk estimation in urban areas using spatialâ€“temporal rainfall simulations. Journal of Flood Risk Management, 2012, 5, 143-152.	3.3	57
184	iCOASST â€“ INTEGRATING COASTAL SEDIMENT SYSTEMS. Coastal Engineering Proceedings, 2012, 1, 100.	0.1	20
185	A Mesoscale Predictive Model of the Evolution and Management of a Soft-Rock Coast. Journal of Coastal Research, 2011, 27, 529-543.	0.3	57
186	Bayesian calibration of a flood inundation model using spatial data. Water Resources Research, 2011, 47, .	4.2	46
187	A 2D shallow flow model for practical dam-break simulations. Journal of Hydraulic Research/De Recherches Hydrauliques, 2011, 49, 307-316.	1.7	82
188	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
189	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
190	How safe is safe enough?. Journal of Flood Risk Management, 2011, 4, 271-272.	3.3	2
191	The Tyndall coastal simulator. Journal of Coastal Conservation, 2011, 15, 325-335.	1.6	27
192	A positivity-preserving zero-inertia model for flood simulation. Computers and Fluids, 2011, 46, 505-511.	2.5	22
193	A changing climate for insurance. Nature Climate Change, 2011, 1, 248-250.	18.8	7
194	Introducing the Infrastructure Transitions Research Consortium. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2011, 164, 51-51.	0.3	1
195	Retrofit Gas Lift System for Tension-Leg-Platform Wells. SPE Production and Operations, 2010, 25, 125-131.	0.6	0
196	Fluvial flood risk management in a changing world. Natural Hazards and Earth System Sciences, 2010, 10, 509-527.	3.6	334
197	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
198	Briefing: Strategic research on climate impacts. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2010, 163, 7-8.	0.7	1

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199	Journal of Flood Risk Management. Journal of Flood Risk Management, 2010, 3, 1-2.	3.3	7
200	A systems view of climate change. Civil Engineering and Environmental Systems, 2010, 27, 243-253.	0.9	5
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