

# Raghav Pant

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

937  
citations

567281

15  
h-index

610901

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

991  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-track rail model for estimating journey impacts from extreme weather events: a case study of Great Britain's rail network. <i>International Journal of Rail Transportation</i> , 2022, 10, 133-158.	2.7	4
2	A systemic risk framework to improve the resilience of port and supply-chain networks to natural hazards. <i>Maritime Economics and Logistics</i> , 2022, 24, 489-506.	4.0	16
3	Quantifying system-level dependencies between connected electricity and transport infrastructure networks incorporating expert judgement. <i>Civil Engineering and Environmental Systems</i> , 2021, 38, 176-196.	0.9	3
4	Increased water risks to global hydropower in 1.5°C and 2.0°C Warmer Worlds. <i>Journal of Hydrology</i> , 2021, 599, 126503.	5.4	21
5	Investing in Absorptive Capacity in Interdependent Infrastructure and Industry Sectors. <i>Journal of Infrastructure Systems</i> , 2020, 26, .	1.8	4
6	Evaluating the Magnitude and Spatial Extent of Disruptions Across Interdependent National Infrastructure Networks. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2020, 6, .	1.1	19
7	A Probabilistic Model of the Economic Risk to Britain's Railway Network from Bridge Scour During Floods. <i>Risk Analysis</i> , 2019, 39, 2457-2478.	2.7	43
8	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
9	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
10	Multi-Scale Assessment of the Economic Impacts of Flooding: Evidence from Firm to Macro-Level Analysis in the Chinese Manufacturing Sector. <i>Sustainability</i> , 2019, 11, 1933.	3.2	12
11	Multiregional Disaster Impact Models: Recent Advances and Comparison of Outcomes. <i>Advances in Spatial Science</i> , 2019, , 191-218.	0.6	6
12	Critical infrastructure impact assessment due to flood exposure. <i>Journal of Flood Risk Management</i> , 2018, 11, 22-33.	3.3	99
13	Evaluating the Benefits of Adaptation of Critical Infrastructures to Hydrometeorological Risks. <i>Risk Analysis</i> , 2018, 38, 134-150.	2.7	26
14	Preserving Key Topological and Structural Features in the Synthesis of Multilevel Electricity Networks for Modeling of Resilience and Risk. <i>Journal of Infrastructure Systems</i> , 2018, 24, 04017043.	1.8	3
15	Resilience engineering: theory and practice in interdependent infrastructure systems. <i>Environment Systems and Decisions</i> , 2018, 38, 278-291.	3.4	42
16	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
17	Geographic Hotspots of Critical National Infrastructure. <i>Risk Analysis</i> , 2017, 37, 2490-2505.	2.7	26
18	Global Floods and Water Availability Driven by Atmospheric Rivers. <i>Geophysical Research Letters</i> , 2017, 44, 10,387.	4.0	102

#	ARTICLE	IF	CITATIONS
19	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
20	SVM Classification of Uncertain Data Using Robust Multi-Kernel Methods. Springer Proceedings in Mathematics and Statistics, 2015, , 261-273.	0.2	1
21	Dynamic impacts of commodity flow disruptions in inland waterway networks. Computers and Industrial Engineering, 2015, 89, 137-149.	6.3	35
22	Stochastic measures of resilience and their application to container terminals. Computers and Industrial Engineering, 2014, 70, 183-194.	6.3	150
23	Static and dynamic metrics of economic resilience for interdependent infrastructure and industry sectors. Reliability Engineering and System Safety, 2014, 125, 92-102.	8.9	115
24	Characterizing the Vulnerability of Future Configurations of Great Britain's Electricity Network Infrastructure to Climate-related Hazards. , 2014, , .		4
25	Interdependent impacts of inoperability at multi-modal transportation container terminals. Transportation Research, Part E: Logistics and Transportation Review, 2011, 47, 722-737.	7.4	71
26	Analysing the risks of failure of interdependent infrastructure networks. , 0, , 241-267.		1
27	Analyzing Interdependent National Infrastructure Provisions Under Extreme Climate Risk. , 0, , .		2
28	A National Scale Infrastructure Database and Modelling Environment for the UK. , 0, , .		4