

# Raghav Pant

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

937  
citations

566801

15  
h-index

610482

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

991  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic measures of resilience and their application to container terminals. Computers and Industrial Engineering, 2014, 70, 183-194.	3.4	150
2	Static and dynamic metrics of economic resilience for interdependent infrastructure and industry sectors. Reliability Engineering and System Safety, 2014, 125, 92-102.	5.1	115
3	Global Floods and Water Availability Driven by Atmospheric Rivers. Geophysical Research Letters, 2017, 44, 10,387.	1.5	102
4	Critical infrastructure impact assessment due to flood exposure. Journal of Flood Risk Management, 2018, 11, 22-33.	1.6	99
5	Interdependent impacts of inoperability at multi-modal transportation container terminals. Transportation Research, Part E: Logistics and Transportation Review, 2011, 47, 722-737.	3.7	71
6	System-of-systems formulation and disruption analysis for multi-scale critical national infrastructures. Reliability Engineering and System Safety, 2017, 167, 30-41.	5.1	65
7	A Probabilistic Model of the Economic Risk to Britain's Railway Network from Bridge Scour During Floods. Risk Analysis, 2019, 39, 2457-2478.	1.5	43
8	Resilience engineering: theory and practice in interdependent infrastructure systems. Environment Systems and Decisions, 2018, 38, 278-291.	1.9	42
9	Dynamic impacts of commodity flow disruptions in inland waterway networks. Computers and Industrial Engineering, 2015, 89, 137-149.	3.4	35
10	Understanding Business Disruption and Economic Losses Due to Electricity Failures and Flooding. International Journal of Disaster Risk Science, 2019, 10, 421-438.	1.3	32
11	Stochastic Counterfactual Risk Analysis for the Vulnerability Assessment of Cyber-Physical Attacks on Electricity Distribution Infrastructure Networks. Risk Analysis, 2019, 39, 2012-2031.	1.5	29
12	Geographic Hotspots of Critical National Infrastructure. Risk Analysis, 2017, 37, 2490-2505.	1.5	26
13	Evaluating the Benefits of Adaptation of Critical Infrastructures to Hydrometeorological Risks. Risk Analysis, 2018, 38, 134-150.	1.5	26
14	Increased water risks to global hydropower in 1.5°C and 2.0°C Warmer Worlds. Journal of Hydrology, 2021, 599, 126503.	2.3	21
15	Evaluating the Magnitude and Spatial Extent of Disruptions Across Interdependent National Infrastructure Networks. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2020, 6, .	0.7	19
16	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.	2.0	16
17	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.	1.6	12
18	Multiregional Disaster Impact Models: Recent Advances and Comparison of Outcomes. Advances in Spatial Science, 2019, , 191-218.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Characterizing the Vulnerability of Future Configurations of Great Britain's Electricity Network Infrastructure to Climate-related Hazards. , 2014, , .		4
20	Investing in Absorptive Capacity in Interdependent Infrastructure and Industry Sectors. Journal of Infrastructure Systems, 2020, 26, .	1.0	4
21	A multi-track rail model for estimating journey impacts from extreme weather events: a case study of Great Britain's rail network. International Journal of Rail Transportation, 2022, 10, 133-158.	1.8	4
22	A National Scale Infrastructure Database and Modelling Environment for the UK. , 0, , .		4
23	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.	1.0	3
24	Quantifying system-level dependencies between connected electricity and transport infrastructure networks incorporating expert judgement. Civil Engineering and Environmental Systems, 2021, 38, 176-196.	0.4	3
25	Towards a whole-network risk assessment for railway bridge failures caused by scour during flood events. E3S Web of Conferences, 2016, 7, 11002.	0.2	2
26	Analyzing Interdependent National Infrastructure Provisions Under Extreme Climate Risk. , 0, , .		2
27	SVM Classification of Uncertain Data Using Robust Multi-Kernel Methods. Springer Proceedings in Mathematics and Statistics, 2015, , 261-273.	0.1	1
28	Analysing the risks of failure of interdependent infrastructure networks. , 0, , 241-267.		1