Roshanak Nateghi

List of Publications by Year
in descending order

46 papers	1,521 citations	361388 20 h-index	315719 38 g-index
48 all docs	48 docs citations	48 times ranked	1114 citing authors

#	Article	IF	Citations
1	Smart-Meter Big Data for Load Forecasting: An Alternative Approach to Clustering. IEEE Access, 2022, 10, 8377-8387.	4.2	9
2	Implications of Increasing Household Air Conditioning Use Across the United States Under a Warming Climate. Earth's Future, 2022, 10, .	6.3	23
3	The Goldilocks Zone in Cooling Demand: What Can We Do Better?. Earth's Future, 2022, 10, .	6.3	1
4	Is the data suitable? The comparison of keyword versus location filters in crisis informatics using Twitter data. International Journal of Information Management Data Insights, 2022, 2, 100063.	9.7	6
5	Critical Time, Space, and Decision‐Making Agent Considerations in Human‐Centered Interdisciplinary Hurricane‐Related Research. Risk Analysis, 2021, 41, 1218-1226.	2.7	8
6	Building an Interdisciplinary Team for Disaster Response Research: A Data‐Driven Approach. Risk Analysis, 2021, 41, 1145-1151.	2.7	17
7	Risk Analysis in the Age of Big Data: The Promises and Pitfalls. Risk Analysis, 2021, 41, 1751-1758.	2.7	15
8	Mapping climate discourse to climate opinion: An approach for augmenting surveys with social media to enhance understandings of climate opinion in the United States. PLoS ONE, 2021, 16, e0245319.	2.5	7
9	The overlooked environmental footprint of increasing Internet use. Resources, Conservation and Recycling, 2021, 167, 105389.	10.8	73
10	A path forward for leveraging social media to improve the study of community resilience. International Journal of Disaster Risk Reduction, 2021, 59, 102236.	3.9	13
11	What makes a city 'smart' in the Anthropocene? A critical review of smart cities under climate change. Sustainable Cities and Society, 2021, 75, 103278.	10.4	29
12	Overemphasis on recovery inhibits community transformation and creates resilience traps. Nature Communications, 2021, 12, 7331.	12.8	7
13	Projected climate change impacts on Indiana's Energy demand and supply. Climatic Change, 2020, 163, 1933-1947.	3.6	10
14	The sensitivity of electric power infrastructure resilience to the spatial distribution of disaster impacts. Reliability Engineering and System Safety, 2020, 193, 106658.	8.9	27
15	Statistical Analysis of Area‐wide Alcohol‐related Driving Crashes: A Spatial Econometric Approach. Geographical Analysis, 2020, 52, 394-417.	3.5	21
16	Asymmetrical response of California electricity demand to summer-time temperature variation. Scientific Reports, 2020, 10, 10904.	3.3	12
17	Hurricane-induced power outage risk under climate change is primarily driven by the uncertainty in projections of future hurricane frequency. Scientific Reports, 2020, 10, 15270.	3.3	18
18	Managing the water–electricity demand nexus in a warming climate. Climatic Change, 2020, 159, 233-252.	3.6	15

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19	A Data‐Driven Framework to Characterize State‐Level Water Use in the United States. Water Resources Research, 2020, 56, e2019WR024894.	4.2	12
20	Evaluating the climate sensitivity of coupled electricity-natural gas demand using a multivariate framework. Applied Energy, 2020, 262, 114419.	10.1	28
21	The critical role of humidity in modeling summer electricity demand across the United States. Nature Communications, 2020, 11, 1686.	12.8	51
22	Characterizing the Key Predictors of Renewable Energy Penetration for Sustainable and Resilient Communities. Journal of Management in Engineering - ASCE, 2020, 36, .	4.8	15
23	Assessing Global Environmental Sustainability Via an Unsupervised Clustering Framework. Sustainability, 2020, 12, 563.	3.2	15
24	Assessing climate sensitivity of peak electricity load for resilient power systems planning and operation: A study applied to the Texas region. Energy, 2019, 185, 1143-1153.	8.8	39
25	Explaining National Trends in Terrestrial Water Storage. Frontiers in Environmental Science, 2019, 7, .	3.3	7
26	Evaluating regional climate-electricity demand nexus: A composite Bayesian predictive framework. Applied Energy, 2019, 235, 1561-1582.	10.1	30
27	Analyzing the climate sensitivity of the coupled water-electricity demand nexus in the Midwestern United States. Applied Energy, 2019, 252, 113466.	10.1	19
28	Twitter and Disasters: A Social Resilience Fingerprint. IEEE Access, 2019, 7, 58495-58506.	4.2	17
29	The Frontiers of Uncertainty Estimation in Interdisciplinary Disaster Research and Practice. Risk Analysis, 2019, 41, 1129-1135.	2.7	4
30	A Data‐Driven Approach to Assessing Supply Inadequacy Risks Due to Climate‐Induced Shifts in Electricity Demand. Risk Analysis, 2019, 39, 673-694.	2.7	46
31	Multi-Dimensional Infrastructure Resilience Modeling: An Application to Hurricane-Prone Electric Power Distribution Systems. IEEE Access, 2018, 6, 13478-13489.	4.2	61
32	A multi-hazard approach to assess severe weather-induced major power outage risks in the U.S.. Reliability Engineering and System Safety, 2018, 175, 283-305.	8.9	115
33	Leveraging advanced predictive analytics to assess commercial cooling load in the U.S.. Sustainable Production and Consumption, 2018, 14, 66-81.	11.0	17
34	Predicting Urban Reservoir Levels Using Statistical Learning Techniques. Scientific Reports, 2018, 8, 5164.	3.3	20
35	Data on major power outage events in the continental U.S.. Data in Brief, 2018, 19, 2079-2083.	1.0	20
36	Climate sensitivity of end-use electricity consumption in the built environment: An application to the state of Florida, United States. Energy, 2017, 128, 688-700.	8.8	52

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37	Climate, weather, socio-economic and electricity usage data for the residential and commercial sectors in FL, U.S. Data in Brief, 2017, 13, 192-195.	1.0	4
38	Estimating climate â€" Demand Nexus to support longterm adequacy planning in the energy sector. , 2017, , .		11
39	A multi-paradigm framework to assess the impacts of climate change on end-use energy demand. PLoS ONE, 2017, 12, e0188033.	2.5	42
40	Statistical Analysis of the Effectiveness of Seawalls and Coastal Forests in Mitigating Tsunami Impacts in Iwate and Miyagi Prefectures. PLoS ONE, 2016, 11, e0158375.	2.5	41
41	Critical Assessment of the Foundations of Power Transmission and Distribution Reliability Metrics and Standards. Risk Analysis, 2016, 36, 4-15.	2.7	16
42	Predicting Hurricane Power Outages to Support Storm Response Planning. IEEE Access, 2014, 2, 1364-1373.	4.2	182
43	Simulation of tropical cyclone impacts to the U.S. power system under climate change scenarios. Climatic Change, 2014, 127, 535-546.	3.6	87
44	Power Outage Estimation for Tropical Cyclones: Improved Accuracy with Simpler Models. Risk Analysis, 2014, 34, 1069-1078.	2.7	101
45	Forecasting hurricane-induced power outage durations. Natural Hazards, 2014, 74, 1795-1811.	3.4	125
46	Probabilistic life cycle analysis model for evaluating electric power infrastructure risk mitigation investments. Climatic Change, 2011, 106, 31-55.	3.6	33