Yue Li

List of Publications by Year
in descending order

97	3,142	136885	168321
papers	citations	32 h-index	53 g-index

97	97	97	2027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fragility Assessment of Light-Frame Wood Construction Subjected to Wind and Earthquake Hazards. Journal of Structural Engineering, 2004, 130, 1921-1930.	1.7	276
2	Hurricane damage to residential construction in the US: Importance of uncertainty modeling in risk assessment. Engineering Structures, 2006, 28, 1009-1018.	2.6	240
3	Evaluating system reliability and targeted hardening strategies of power distribution systems subjected to hurricanes. Reliability Engineering and System Safety, 2015, 144, 319-333.	5.1	155
4	Collapse Fragility of Steel Structures Subjected to Earthquake Mainshock-Aftershock Sequences. Journal of Structural Engineering, 2014, 140, .	1.7	154
5	A probabilistic-based framework for impact and adaptation assessment of climate change on hurricane damage risks and costs. Structural Safety, 2011, 33, 173-185.	2.8	94
6	Framework for Multihazard Risk Assessment and Mitigation for Wood-Frame Residential Construction. Journal of Structural Engineering, 2009, 135, 159-168.	1.7	90
7	Social vulnerability index for coastal communities at risk to hurricane hazard and a changing climate. Natural Hazards, 2011, 59, 1055-1075.	1.6	88
8	Review of Methods to Assess, Design for, and Mitigate Multiple Hazards. Journal of Performance of Constructed Facilities, 2012, 26, 104-117.	1.0	80
9	Hurricane Risk Assessment of Power Distribution Poles Considering Impacts of a Changing Climate. Journal of Infrastructure Systems, 2013, 19, 12-24.	1.0	80
10	Flood Risk Assessment, Future Trend Modeling, and Risk Communication: A Review of Ongoing Research. Natural Hazards Review, 2018, 19, .	0.8	71
11	Reliability of woodframe residential construction subjected to earthquakes. Structural Safety, 2007, 29, 294-307.	2.8	62
12	Impact of earthquake ground motion characteristics on collapse risk of post-mainshock buildings considering aftershocks. Engineering Structures, 2014, 81, 349-361.	2.6	62
13	Loss Analysis for Combined Wind and Surge in Hurricanes. Natural Hazards Review, 2012, 13, 1-10.	0.8	60
14	Seismic risk of base isolated non-ductile reinforced concrete buildings considering uncertainties and mainshockâ€“aftershock sequences. Structural Safety, 2014, 50, 39-56.	2.8	59
15	Reliability assessment of power pole infrastructure incorporating deterioration and network maintenance. Reliability Engineering and System Safety, 2014, 132, 261-273.	5.1	56
16	Flood risk perception of rural households in western mountainous regions of Henan Province, China. International Journal of Disaster Risk Reduction, 2018, 27, 155-160.	1.8	56
17	Localized Structural Health Monitoring Using Energy-Efficient Wireless Sensor Networks. IEEE Sensors Journal, 2009, 9, 1596-1604.	2.4	54
18	Loss estimation of steel buildings to earthquake mainshockâ€“aftershock sequences. Structural Safety, 2016, 61, 1-11.	2.8	53

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19	Loss-based formulation for multiple hazards with application to residential buildings. Engineering Structures, 2012, 38, 123-133.	2.6	52
20	Age-dependent fragility and life-cycle cost analysis of wood and steel power distribution poles subjected to hurricanes. Structure and Infrastructure Engineering, 2016, 12, 890-903.	2.0	51
21	Performance Evaluation of Water Distribution Systems and Asset Management. Journal of Infrastructure Systems, 2018, 24, .	1.0	49
22	Machine Learning for Risk and Resilience Assessment in Structural Engineering: Progress and Future Trends. Journal of Structural Engineering, 2022, 148, .	1.7	48
23	Seismic collapse risk of light-frame wood construction considering aleatoric and epistemic uncertainties. Structural Safety, 2010, 32, 250-261.	2.8	45
24	Loss Estimation of Light-Frame Wood Construction Subjected to Mainshock-Aftershock Sequences. Journal of Performance of Constructed Facilities, 2011, 25, 504-513.	1.0	45
25	Maintenance optimization for power distribution systems subjected to hurricane hazard, timber decay and climate change. Reliability Engineering and System Safety, 2017, 168, 136-149.	5.1	45
26	Assessment of Damage Risks to Residential Buildings and Costâ€“Benefit of Mitigation Strategies Considering Hurricane and Earthquake Hazards. Journal of Performance of Constructed Facilities, 2012, 26, 7-16.	1.0	43
27	Assessment of Seismic Performance of Buildings with Incorporation of Aftershocks. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	42
28	Social vulnerability of rural households to flood hazards in western mountainous regions of Henan province, China. Natural Hazards and Earth System Sciences, 2016, 16, 1123-1134.	1.5	39
29	Multi-criteria decision-making for seismic resilience and sustainability assessment of diagrid buildings. Engineering Structures, 2019, 191, 229-246.	2.6	39
30	State of the Art of Multihazard Design. Journal of Structural Engineering, 2017, 143, .	1.7	37
31	Reliability Analysis of Water Distribution Systems Using Physical Probabilistic Pipe Failure Method. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	1.3	37
32	A probabilistic framework for multi-hazard risk mitigation for electric power transmission systems subjected to seismic and hurricane hazards. Structure and Infrastructure Engineering, 2018, 14, 1499-1519.	2.0	36
33	Risk-based economic assessment of mitigation strategies for power distribution poles subjected to hurricanes. Structure and Infrastructure Engineering, 2014, 10, 740-752.	2.0	34
34	Uniform hazard versus uniform risk bases for performanceâ€based earthquake engineering of lightâ€frame wood construction. Earthquake Engineering and Structural Dynamics, 2010, 39, 1199-1217.	2.5	33
35	Study on a Simplified Calculation Method for Hydrodynamic Pressure to Slender Structures Under Earthquakes. Journal of Earthquake Engineering, 2013, 17, 720-735.	1.4	33
36	Establishing Common Nomenclature, Characterizing the Problem, and Identifying Future Opportunities in Multihazard Design. Journal of Structural Engineering, 2016, 142, .	1.7	33

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37	Probabilistic analysis of climate change impacts on timber power pole networks. International Journal of Electrical Power and Energy Systems, 2016, 78, 513-523.	3.3	33
38	Impact of aftershocks and uncertainties on the seismic evaluation of non-ductile reinforced concrete frame buildings. Engineering Structures, 2015, 100, 149-163.	2.6	30
39	Hurricanes Irma and Maria post-event survey in US Virgin Islands. Coastal Engineering Journal, 2019, 61, 121-134.	0.7	30
40	Cyclone Damage Risks Caused by Enhanced Greenhouse Conditions and Economic Viability of Strengthened Residential Construction. Natural Hazards Review, 2011, 12, 9-18.	0.8	28
41	Multihazard Risk Assessment of Electric Power Systems. Journal of Structural Engineering, 2017, 143, .	1.7	28
42	Risk-Based Assessment of Sustainability and Hazard Resistance of Structural Design. Journal of Performance of Constructed Facilities, 2016, 30, .	1.0	27
43	Seismic Performance Assessment and Loss Estimation of Steel Diagrid Structures. Journal of Structural Engineering, 2018, 144, .	1.7	26
44	Probabilistic loss assessment of light-frame wood construction subjected to combined seismic and snow loads. Engineering Structures, 2011, 33, 380-390.	2.6	25
45	Influencing factors for emergency evacuation capability of rural households to flood hazards in western mountainous regions of Henan province, China. International Journal of Disaster Risk Reduction, 2017, 21, 187-195.	1.8	23
46	Regional loss estimation due to hurricane wind and hurricane-induced surge considering climate variability. Structure and Infrastructure Engineering, 2014, 10, 1369-1384.	2.0	22
47	Assessment of Seismic Damage of Buildings and Related Environmental Impacts. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	22
48	Risk-informed multi-criteria decision framework for resilience, sustainability and energy analysis of reinforced concrete buildings. Journal of Building Performance Simulation, 2020, 13, 804-823.	1.0	22
49	Seismic Loss Estimation with Consideration of Aftershock Hazard and Post-Quake Decisions. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2016, 2, .	1.1	18
50	Seismic Functionality and Resilience Analysis of Water Distribution Systems. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	0.9	16
51	Assessment of the effectiveness of wood pole repair using FRP considering the impact of climate change on decay and hurricane risk. Advances in Climate Change Research, 2020, 11, 332-348.	2.1	16
52	Assessing Climate Change Impact on System Reliability of Power Distribution Systems Subjected to Hurricanes. Journal of Infrastructure Systems, 2017, 23, .	1.0	13
53	Framework for Seismic Damage and Renewal Cost Analysis of Buried Water Pipelines. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	0.9	13
54	The Next Step for AF&PA/ASCE 16-95: Performance-Based Design of Wood Structures. Journal of Structural Engineering, 2009, 135, 611-618.	1.7	12

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55	Reliability of Roof Panels in Coastal Areas Considering Effects of Climate Change and Embedded Corrosion of Metal Fasteners. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2016, 2, .	1.1	12
56	Risk Assessment in Quantification of Hurricane Resilience of Residential Communities. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, .	1.1	12
57	Risk-Based Reliability and Cost Analysis of Utility Poles Subjected to Tornado Hazard. Journal of Aerospace Engineering, 2019, 32, .	0.8	12
58	Asset Management Decision Support Model for Water Distribution Systems: Impact of Water Pipe Failure on Road and Water Networks. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	12
59	Distributed decision-making in wireless sensor networks for online structural health monitoring. Journal of Communications and Networks, 2009, 11, 350-358.	1.8	11
60	A Probabilistic Framework for Seismic Risk Assessment of Electric Power Systems. Procedia Engineering, 2017, 199, 1187-1192.	1.2	11
61	Localized health monitoring for seismic resilience quantification and safety evaluation of smart structures. Structural Safety, 2021, 93, 102127.	2.8	10
62	Extreme events, energy security and equality through micro- and macro-levels: Concepts, challenges and methods. Energy Research and Social Science, 2022, 85, 102401.	3.0	10
63	Stochastic Modeling of Snow Loads Using a Filtered Poisson Process. Journal of Cold Regions Engineering - ASCE, 2011, 25, 16-36.	0.5	9
64	Risk-based assessment of wood residential construction subjected to hurricane events considering indirect and environmental loss. Sustainable and Resilient Infrastructure, 2016, 1, 46-62.	1.7	9
65	Optimization of Condition-Based Maintenance of Wood Utility Pole Network Subjected to Hurricane Hazard and Climate Change. Frontiers in Built Environment, 2020, 6, .	1.2	9
66	Probabilistic Assessment and Cost-Benefit Analysis of Nonductile Reinforced Concrete Buildings Retrofitted with Base Isolation: Considering Mainshockâ€“Aftershock Hazards. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, .	1.1	8
67	Vulnerability to typhoons: A comparison of consequence and driving factors between Typhoon Hato (2017) and Typhoon Mangkhut (2018). Science of the Total Environment, 2022, 838, 156476.	3.9	8
68	Post-disaster sequential recovery planning for water distribution systems using topological and hydraulic metrics. Structure and Infrastructure Engineering, 0, , 1-16.	2.0	7
69	Application of the hybrid ABV procedure for assessing community risk to hurricanes spatially. Natural Hazards, 2013, 68, 981-1000.	1.6	6
70	ABV Procedure Combined with Mechanistic Response Modeling for Roof- and Surge-Loss Estimation in Hurricanes. Journal of Performance of Constructed Facilities, 2014, 28, 206-215.	1.0	6
71	System dynamics assessment of mitigation strategies for power distribution poles subjected to hurricanes. Natural Hazards, 2014, 70, 1263-1285.	1.6	6
72	Evaluation of Hurricane Resilience of Residential Community Considering a Changing Climate, Social Disruption Cost, and Environmental Impact. Journal of Architectural Engineering, 2017, 23, 04017008.	0.8	5

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73	Reliability-based assessment of climatic adaptation for the increased resiliency of power distribution systems subjected to hurricanes. Sustainable and Resilient Infrastructure, 2018, 3, 36-48.	1.7	5
74	Performance Prediction of the Dowel Bar Retrofit Technique Using Statistical Modelling. Road Materials and Pavement Design, 2010, 11, 701-723.	2.0	4
75	Loss Estimation of Reinforced Concrete Buildings Considering Aftershock Hazards. , 2015, , .		4
76	Statistical analysis of the variation of floor vibrations in nuclear power plants subject to seismic loads. Nuclear Engineering and Design, 2016, 309, 84-96.	0.8	4
77	A framework to investigate the effectiveness of interconnection of power distribution systems subjected to hurricanes. Structure and Infrastructure Engineering, 2018, 14, 203-217.	2.0	4
78	Climate Adaptation for Housing in Hurricane Regions. , 2019, , 271-299.		4
79	Recent Advances in Assessment and Mitigation of Multiple Hazards. Journal of Structural Engineering, 2017, 143, 02017001.	1.7	3
80	Reliability-Based Assessment and Cost Analysis of Power Distribution Systems at Risk of Tornado Hazard. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, 04020014.	1.1	3
81	Investigating the effects of climate change on structural resistance and actions. , 2021, , .		3
82	Application of spatial visualization for probabilistic hurricanes risk assessment to build environment. , 2008, , .		2
83	Statistical Investigation of Effective Prestress in Prestressed Concrete Bridges. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, .	1.1	2
84	Risk-Based Management of Electric Power Distribution Systems Subjected to Hurricane and Tornado Hazards. Springer Tracts in Civil Engineering, 2022, , 143-166.	0.3	2
85	Performance-Based Design for Wood Residential Construction Subjected to Snow Loads. , 2008, , .		1
86	Evaluation of Impact of Climate Change on Hurricane Damage Risks and Adaptation Strategies. , 2010, , .		1
87	Factors influencing cost-effectiveness of maintenance of power distribution poles subjected to hurricanes: a system-dynamics-based analysis. Natural Hazards, 2014, 72, 633-650.	1.6	1
88	Effect of aftershock intensity on seismic collapse fragilities. International Journal of Reliability and Safety, 2014, 8, 174.	0.2	1
89	Expected Economic Losses and Vulnerability of Coastal Residential Building to Hurricanes. , 2005, , 466.		0
90	Reliability Basis for Counteracting Load Combinations in ASCE Standard 7-05. , 2007, , .		0

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91	Quantified Risk Analysis of Light Framed Construction Due to Mainshock and Aftershock Sequences. , 2010, , .		0
92	Reliability Analysis on Shear Capacity of Reinforced Masonry Wall Due to Earthquake. Applied Mechanics and Materials, 2011, 105-107, 360-365.	0.2	0
93	Closure to â€œReview of Methods to Assess, Design for, and Mitigate Multiple Hazardsâ€•by Yue Li, Aakash Ahuja, and Jamie E. Padgett. Journal of Performance of Constructed Facilities, 2013, 27, 216-216.	1.0	0
94	Seismic Risk Evaluation of Retrofitted Reinforced Concrete Buildings Utilizing Base Isolation and Considering Mainshock-Aftershock. Advanced Materials Research, 2013, 671-674, 1372-1375.	0.3	0
95	Social Vulnerability Mapping Considering Hurricane Hazards in a Changing Climate. , 2017, , .		0
96	Performance Prediction of the Dowel Bar Retrofit Technique Using Statistical Modelling. Road Materials and Pavement Design, 2010, 11, 701-723.	2.0	0
97	Time-dependent reliability assessment of steel pipelines subjected to localized corrosion. Structure and Infrastructure Engineering, 0, , 1-11.	2.0	0