

Yi Li

List of Publications by Year in descending order

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56
papers

1,683
citations

236912

25
h-index

289230

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57
all docs

57
docs citations

57
times ranked

542
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of progressive collapse resistance of one-way reinforced concrete beam-slab substructures under a middle-column-removal scenario. <i>Engineering Structures</i> , 2016, 118, 28-40.	5.3	167
2	Experimental investigation of RC beam-slab substructures against progressive collapse subject to an edge-column-removal scenario. <i>Engineering Structures</i> , 2017, 149, 91-103.	5.3	161
3	An improved tie force method for progressive collapse resistance design of reinforced concrete frame structures. <i>Engineering Structures</i> , 2011, 33, 2931-2942.	5.3	159
4	New analytical calculation models for compressive arch action in reinforced concrete structures. <i>Engineering Structures</i> , 2018, 168, 721-735.	5.3	89
5	Numerical study of progressive collapse resistance of RC beam-slab substructures under perimeter column removal scenarios. <i>Engineering Structures</i> , 2018, 159, 14-27.	5.3	87
6	A preliminary analysis and discussion of the condominium building collapse in surfside, Florida, US, June 24, 2021. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 1097-1110.	2.9	54
7	Experimental study of a novel multi-hazard resistant prefabricated concrete frame structure. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 119, 390-407.	3.8	48
8	Progressive collapse resistance of two-storey seismic configured steel sub-frames using welded connections. <i>Journal of Constructional Steel Research</i> , 2020, 170, 106117.	3.9	48
9	Experimental study on the progressive collapse behaviour of RC flat plate substructures subjected to corner column removal scenarios. <i>Engineering Structures</i> , 2019, 180, 728-741.	5.3	47
10	Improvement to composite frame systems for seismic and progressive collapse resistance. <i>Engineering Structures</i> , 2019, 186, 227-242.	5.3	44
11	Effects of Seismic and Progressive Collapse Designs on the Vulnerability of RC Frame Structures. <i>Journal of Performance of Constructed Facilities</i> , 2017, 31, .	2.0	41
12	Progressive Collapse Resistance Demand of RC Frames under Catenary Mechanism. <i>ACI Structural Journal</i> , 2014, 111, .	0.2	38
13	Numerical investigation of progressive collapse resistance of reinforced concrete frames subject to column removals from different stories. <i>Advances in Structural Engineering</i> , 2016, 19, 314-326.	2.4	37
14	Load Transfer and Collapse Resistance of RC Flat Plates under Interior Column Removal Scenario. <i>Journal of Structural Engineering</i> , 2018, 144, .	3.4	36
15	A prediction method of building seismic loss based on BIM and FEMA P-58. <i>Automation in Construction</i> , 2019, 102, 245-257.	9.8	36
16	Progressive Collapse Resistance of Emulative Precast Concrete Frames with Various Reinforcing Details. <i>Journal of Structural Engineering</i> , 2021, 147, .	3.4	36
17	Experimental study on the progressive collapse behaviour of RC flat plate substructures subjected to edge-column and edge-interior-column removal scenarios. <i>Engineering Structures</i> , 2020, 209, 110299.	5.3	34
18	Probability-based progressive collapse-resistant assessment for reinforced concrete frame structures. <i>Advances in Structural Engineering</i> , 2016, 19, 1723-1735.	2.4	31

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19	Progressive Collapse Resistance of Two Typical High-Rise RC Frame Shear Wall Structures. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	2.0	30
20	Design objectives and collapse prevention for building structures in mega-earthquake. <i>Earthquake Engineering and Engineering Vibration</i> , 2010, 9, 189-199.	2.3	29
21	A Case Study on a Fire-Induced Collapse Accident of a Reinforced Concrete Frame-Supported Masonry Structure. <i>Fire Technology</i> , 2016, 52, 707-729.	3.0	29
22	Seismic loss assessment for buildings with various-LOD BIM data. <i>Advanced Engineering Informatics</i> , 2019, 39, 112-126.	8.0	29
23	Experimental and numerical investigation of the progressive collapse of precast reinforced concrete frame substructures with wet connections. <i>Engineering Structures</i> , 2022, 256, 114010.	5.3	27
24	Progressive Collapse Analysis of a Typical Super-Tall Reinforced Concrete Frame-Core Tube Building Exposed to Extreme Fires. <i>Fire Technology</i> , 2017, 53, 107-133.	3.0	26
25	Experimental and theoretical study on a novel dual-functional replaceable stiffening angle steel component. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 114, 378-391.	3.8	26
26	An Energy-Based Assessment on Dynamic Amplification Factor for Linear Static Analysis in Progressive Collapse Design of Ductile RC Frame Structures. <i>Advances in Structural Engineering</i> , 2014, 17, 1217-1225.	2.4	24
27	Influence of horizontal restraints on the behaviour of vertical disproportionate collapse of RC moment frames. <i>Engineering Failure Analysis</i> , 2020, 109, 104324.	4.0	22
28	A novel structural detailing for the improvement of seismic and progressive collapse performances of RC frames. <i>Earthquake Engineering and Structural Dynamics</i> , 2019, 48, 1451-1470.	4.4	20
29	Experimental and theoretical study of seismic and progressive collapse resilient composite frames. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 139, 106370.	3.8	19
30	FIRE RESPONSES AND RESISTANCE OF CONCRETE-FILLED STEEL TUBULAR FRAME STRUCTURES. <i>International Journal of Structural Stability and Dynamics</i> , 2010, 10, 253-271.	2.4	16
31	Experimental and Computational Assessments of Progressive Collapse Resistance of Reinforced Concrete Planar Frames Subjected to Penultimate Column Removal Scenario. <i>Journal of Performance of Constructed Facilities</i> , 2020, 34, .	2.0	16
32	Post-punching mechanisms of slab-column joints under upward and downward punching actions. <i>Magazine of Concrete Research</i> , 2021, 73, 302-314.	2.0	15
33	Multiple-Input Convolutional Neural Network Model for Large-Scale Seismic Damage Assessment of Reinforced Concrete Frame Buildings. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8258.	2.5	14
34	Experimental and numerical investigation of dynamic progressive collapse of reinforced concrete beam-column assemblies under a middle-column removal scenario. <i>Structures</i> , 2022, 38, 979-992.	3.6	14
35	Comparative and Parametric Studies on Behavior of RC-Flat Plates Subjected to Interior-Column Loss. <i>Journal of Structural Engineering</i> , 2020, 146, .	3.4	13
36	Progressive Collapse Resistance Demand of RC Frames under Catenary Mechanism. <i>ACI Structural Journal</i> , 2014, 111, .	0.2	12

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37	Uncertainty analysis on progressive collapse of RC frame structures under dynamic column removal scenarios. <i>Journal of Building Engineering</i> , 2022, 46, 103811.	3.4	12
38	Rapid Retrofit of Reinforced Concrete Frames after Progressive Collapse to Increase Sustainability. <i>Sustainability</i> , 2019, 11, 4195.	3.2	11
39	Simulation of the running attitude of a train after derailment. <i>International Journal of Crashworthiness</i> , 2020, 25, 213-219.	1.9	11
40	Dynamic response and collapse resistance of RC flat plate structures subjected to instantaneous removal of an interior column. <i>Engineering Structures</i> , 2022, 264, 114469.	5.3	10
41	Experimental Study on the Progressive Collapse Resistance of RC Slabs. , 2014, , .		8
42	Simulation of punching and post-punching shear behaviours of RC slab-column connections. <i>Magazine of Concrete Research</i> , 2021, 73, 1135-1150.	2.0	8
43	Pre- and post-punching performances of eccentrically loaded slab-column joints with in-plane restraints. <i>Engineering Structures</i> , 2021, 248, 113249.	5.3	8
44	Assessment of Earthquake Destructive Power to Structures Based on Machine Learning Methods. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6210.	2.5	7
45	Enhancing post-punching performance of flat plate-column joints by different reinforcement configurations. <i>Journal of Building Engineering</i> , 2021, 43, 102855.	3.4	7
46	Progressive Collapse of Flat Plate Substructures Initiated by Upward and Downward Punching Shear Failures of Interior Slab-column Joints. <i>Journal of Structural Engineering</i> , 2022, 148, .	3.4	7
47	Post-punching failure mechanism and resistance of flat plate-column joints with in-plane constraints. <i>Engineering Failure Analysis</i> , 2022, 138, 106360.	4.0	7
48	Post-Punching Mechanism of Slab-Column Joints Subjected Upward and Downward Punching Shear Actions. , 2018, , .		3
49	Experimental Study of Novel Concrete Frames Considering Earthquake and Progressive Collapse. , 2019, , 29-45.		3
50	Simulation of Spatially Variable Seismic Underground Motions in U-Shaped Canyons. <i>Journal of Earthquake Engineering</i> , 2019, 23, 463-486.	2.5	3
51	Pre- and post-punching failure performances of flat slab-column joints with drop panels and shear studs. <i>Engineering Failure Analysis</i> , 2022, 140, 106604.	4.0	2
52	Experimental Study of the Horizontal Progressive Collapse of RC Frames. , 2018, , .		1
53	Analytical Model for Multi-Hazard Resilient Prefabricated Concrete Frame Considering Earthquake and Column Removal Scenarios. <i>Frontiers in Built Environment</i> , 2018, 4, .	2.3	1
54	Development of the Design Specification for the Collapse Prevention of Buildings in China. , 2014, , .		0

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55	Experimental Studies on a Novel Structural Detailing of RC Frames to Resist Earthquake and Progressive Collapse. , 2017, , .		0
56	Numerical Modelling of the Progressive Collapse of Reinforced Concrete Frames with Different Lateral Restraints. Lecture Notes in Civil Engineering, 2020, , 755-763.	0.4	0