

Jinkoo Kim

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98
papers

2,099
citations

26
h-index

41
g-index

102
ext. papers

2,448
ext. citations

3.1
avg, IF

5.67
L-index

#	Paper	IF	Citations
98	Assessment of progressive collapse-resisting capacity of steel moment frames. <i>Journal of Constructional Steel Research</i> , 2009 , 65, 169-179	3.8	165
97	Seismic design of low-rise steel frames with buckling-restrained braces. <i>Engineering Structures</i> , 2004 , 26, 543-551	4.7	83
96	Energy-based seismic design of buckling-restrained braced frames using hysteretic energy spectrum. <i>Engineering Structures</i> , 2006 , 28, 304-311	4.7	82
95	Behavior and design of structures with buckling-restrained braces. <i>Engineering Structures</i> , 2004 , 26, 693-706	4.7	80
94	Evaluation of progressive collapse potential of steel moment frames considering catenary action. <i>Structural Design of Tall and Special Buildings</i> , 2009 , 18, 455-465	1.8	75
93	Seismic performance of structures connected by viscoelastic dampers. <i>Engineering Structures</i> , 2006 , 28, 183-195	4.7	73
92	PERFORMANCE-BASED DESIGN OF ADDED VISCOUS DAMPERS USING CAPACITY SPECTRUM METHOD. <i>Journal of Earthquake Engineering</i> , 2003 , 7, 1-24	1.8	65
91	Optimal design of added viscoelastic dampers and supporting braces. <i>Earthquake Engineering and Structural Dynamics</i> , 2004 , 33, 465-484	4	63
90	Development of integrated system for progressive collapse analysis of building structures considering dynamic effects. <i>Advances in Engineering Software</i> , 2009 , 40, 1-8	3.6	61
89	Sensitivity analysis of steel buildings subjected to column loss. <i>Engineering Structures</i> , 2011 , 33, 421-432	4.7	57
88	Investigation of Progressive Collapse-Resisting Capability of Steel Moment Frames Using Push-Down Analysis. <i>Journal of Performance of Constructed Facilities</i> , 2009 , 23, 327-335	2	54
87	Displacement-Based Design of Supplemental Dampers for Seismic Retrofit of a Framed Structure. <i>Journal of Structural Engineering</i> , 2006 , 132, 873-883	3	54
86	Vibration tests of 5-storey steel frame with viscoelastic dampers. <i>Engineering Structures</i> , 2004 , 26, 831-839	4.7	49
85	Collapse analysis of steel moment frames with various seismic connections. <i>Journal of Constructional Steel Research</i> , 2009 , 65, 1316-1322	3.8	47
84	Seismic performance evaluation of diagrid system buildings. <i>Structural Design of Tall and Special Buildings</i> , 2012 , 21, 736-749	1.8	45
83	Development of box-shaped steel slit dampers for seismic retrofit of building structures. <i>Engineering Structures</i> , 2017 , 150, 934-946	4.7	43
82	Seismic loss assessment of a structure retrofitted with slit-friction hybrid dampers. <i>Engineering Structures</i> , 2017 , 130, 336-350	4.7	43

81	Design of steel moment frames considering progressive collapse. <i>Steel and Composite Structures</i> , 2008 , 8, 85-98		41
80	Seismic performance of steel plate slit-friction hybrid dampers. <i>Journal of Constructional Steel Research</i> , 2017 , 136, 128-139	3.8	34
79	Optimum distribution of added viscoelastic dampers for mitigation of torsional responses of plan-wise asymmetric structures. <i>Engineering Structures</i> , 2002 , 24, 1257-1269	4.7	34
78	Progressive collapse resisting capacity of braced frames. <i>Structural Design of Tall and Special Buildings</i> , 2011 , 20, 257-270	1.8	32
77	Fragility analysis of steel moment frames with various seismic connections subjected to sudden loss of a column. <i>Engineering Structures</i> , 2010 , 32, 1547-1555	4.7	32
76	Design of a bracing-friction damper system for seismic retrofitting. <i>Smart Structures and Systems</i> , 2008 , 4, 685-696		31
75	Computationally efficient framework for probabilistic collapse analysis of structures under extreme actions. <i>Engineering Structures</i> , 2018 , 172, 440-452	4.7	28
74	Sensitivity analysis on seismic life-cycle cost of a fixed-steel offshore platform structure. <i>Ocean Engineering</i> , 2016 , 121, 323-340	3.9	27
73	Monotonic Loading Tests of RC Beam-Column Subassemblage Strengthened to Prevent Progressive Collapse. <i>International Journal of Concrete Structures and Materials</i> , 2015 , 9, 401-413	2.8	26
72	Progressive collapse performance of irregular buildings. <i>Structural Design of Tall and Special Buildings</i> , 2011 , 20, 721-734	1.8	26
71	Analysis of reinforced concrete frames subjected to column loss. <i>Magazine of Concrete Research</i> , 2012 , 64, 21-33	2	26
70	Optimal design of viscoelastic dampers using eigenvalue assignment. <i>Earthquake Engineering and Structural Dynamics</i> , 2004 , 33, 521-542	4	23
69	Seismic Retrofit of Soft-First-Story Structures Using Rotational Friction Dampers. <i>Journal of Structural Engineering</i> , 2019 , 145, 04019162	3	22
68	Cyclic test of buckling restrained braces composed of square steel rods and steel tube. <i>Steel and Composite Structures</i> , 2012 , 13, 423-436		20
67	Life-cycle cost evaluation of steel structures retrofitted with steel slit damper and shape memory alloyBased hybrid damper. <i>Advances in Structural Engineering</i> , 2019 , 22, 3-16	1.9	19
66	Experimental and analytical studies on Buckling-Restrained Knee Bracing systems with channel sections. <i>International Journal of Steel Structures</i> , 2012 , 12, 93-106	1.3	19
65	Seismic behavior factors of buckling-restrained braced frames. <i>Structural Engineering and Mechanics</i> , 2009 , 33, 261-284		19
64	Seismic performance evaluation of a spring viscous damper cable system. <i>Engineering Structures</i> , 2018 , 176, 455-467	4.7	19

63	Sensitivity analysis of pile-founded fixed steel jacket platforms subjected to seismic loads. <i>Ocean Engineering</i> , 2014 , 85, 1-11	3.9	18
62	Retrofit of RC frames against progressive collapse using prestressing tendons. <i>Structural Design of Tall and Special Buildings</i> , 2013 , 22, 349-361	1.8	18
61	Seismic performance evaluation of a structure retrofitted using steel slit dampers with shape memory alloy bars. <i>International Journal of Steel Structures</i> , 2017 , 17, 1627-1638	1.3	18
60	Progressive Collapse of Steel Moment Frames Subjected to Vehicle Impact. <i>Journal of Performance of Constructed Facilities</i> , 2015 , 29, 04014172	2	18
59	Inelastic behavior of staggered truss systems. <i>Structural Design of Tall and Special Buildings</i> , 2007 , 16, 85-105	1.8	18
58	Seismic retrofit of special truss moment frames using viscous dampers. <i>Journal of Constructional Steel Research</i> , 2016 , 123, 53-67	3.8	18
57	Seismic performance evaluation of moment frames with slit-friction hybrid dampers. <i>Earthquake and Structures</i> , 2015 , 9, 1291-1311		17
56	New installation scheme for viscoelastic dampers using cables. <i>Canadian Journal of Civil Engineering</i> , 2010 , 37, 1201-1211	1.3	16
55	Seismic retrofit of asymmetric structures using steel plate slit dampers. <i>Journal of Constructional Steel Research</i> , 2016 , 120, 232-244	3.8	15
54	Progressive collapse resisting capacity of moment frames with viscous dampers. <i>Structural Design of Tall and Special Buildings</i> , 2013 , 22, 399-414	1.8	15
53	Variance-based global sensitivity analysis for fuzzy random structural systems. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2019 , 34, 602-615	8.4	14
52	Simplified seismic life cycle cost estimation of a steel jacket offshore platform structure. <i>Structure and Infrastructure Engineering</i> , 2017 , 13, 1027-1044	2.9	13
51	Seismic performance evaluation of a multi-slit damper. <i>Engineering Structures</i> , 2019 , 189, 332-346	4.7	13
50	Seismic retrofit of RC buildings using self-centering PC frames with friction-dampers. <i>Engineering Structures</i> , 2020 , 208, 109925	4.7	13
49	Seismic retrofit of structures using steel honeycomb dampers. <i>International Journal of Steel Structures</i> , 2017 , 17, 215-229	1.3	12
48	Progressive collapse-resisting capacity of modular mega-frame buildings. <i>Structural Design of Tall and Special Buildings</i> , 2013 , 22, 471-484	1.8	12
47	Seismic performance evaluation of staggered wall structures using Fema P695 procedure. <i>Magazine of Concrete Research</i> , 2013 , 65, 1023-1033	2	12
46	Performance-based seismic design of staggered truss frames with friction dampers. <i>Thin-Walled Structures</i> , 2017 , 111, 197-209	4.7	11

45	Design of special truss moment frames considering progressive collapse. <i>International Journal of Steel Structures</i> , 2014 , 14, 331-343	1.3	11
44	Seismic performance of tubular structures with buckling restrained braces. <i>Structural Design of Tall and Special Buildings</i> , 2009 , 18, 351-370	1.8	11
43	Progressive Collapse-Resisting Capacity of Steel Moment Frames considering Panel Zone Deformation. <i>Advances in Structural Engineering</i> , 2009 , 12, 231-240	1.9	10
42	Experimental and Numerical Sensitivity Assessment of Viscoelasticity for Polymer Composite Materials. <i>Scientific Reports</i> , 2020 , 10, 675	4.9	9
41	Progressive collapse-resisting capacity of framed structures with infill steel panels. <i>Journal of Constructional Steel Research</i> , 2013 , 89, 145-152	3.8	9
40	Seismic Retrofit of Structures Using Hybrid Steel Slit Viscoelastic Dampers. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020238	3	9
39	Seismic Performance Evaluation and Retrofit of Fixed Jacket Offshore Platform Structures. <i>Journal of Performance of Constructed Facilities</i> , 2015 , 29, 04014099	2	8
38	Progressive collapse resisting capacity of tilted building structures. <i>Structural Design of Tall and Special Buildings</i> , 2013 , 22, 1359-1375	1.8	8
37	Seismic performance evaluation of a RC special moment frame. <i>Structural Engineering and Mechanics</i> , 2007 , 27, 671-682		8
36	Soil-structure interaction effect on seismic retrofit of a soft first-story structure. <i>Structures</i> , 2021 , 32, 1553-1564	3.4	8
35	Seismic retrofit schemes for staggered truss structures. <i>Engineering Structures</i> , 2015 , 102, 93-107	4.7	7
34	Seismic performance of pile-founded fixed jacket platforms with chevron braces. <i>Structure and Infrastructure Engineering</i> , 2015 , 11, 776-795	2.9	7
33	Parameterized seismic life-cycle cost evaluation method for building structures. <i>Structure and Infrastructure Engineering</i> , 2021 , 17, 425-439	2.9	7
32	Seismic Performance Evaluation of Steel Diagrid Buildings. <i>International Journal of Steel Structures</i> , 2018 , 18, 1035-1047	1.3	6
31	Seismic Behavior Factors of RC Staggered Wall Buildings. <i>International Journal of Concrete Structures and Materials</i> , 2016 , 10, 355-371	2.8	6
30	Collapse resistance of unreinforced steel moment connections. <i>Structural Design of Tall and Special Buildings</i> , 2012 , 21, 724-735	1.8	6
29	Seismic performance evaluation of partially staggered-wall apartment buildings. <i>Magazine of Concrete Research</i> , 2011 , 63, 927-939	2	6
28	Seismic retrofit of structures using rotational friction dampers with restoring force. <i>Advances in Structural Engineering</i> , 2020 , 23, 3525-3540	1.9	6

27	Seismic retrofit of a structure using self-centring precast concrete frames with enlarged beam ends. <i>Magazine of Concrete Research</i> , 2020 , 72, 1155-1170	2	6
26	Performance-based seismic retrofit of RC structures using concentric braced frames equipped with friction dampers and disc springs. <i>Engineering Structures</i> , 2021 , 243, 112555	4.7	6
25	Progressive collapse behavior of rotor-type diagrid buildings. <i>Structural Design of Tall and Special Buildings</i> , 2012 , 22, n/a-n/a	1.8	5
24	Progressive collapse resisting capacity of tube-type structures. <i>Structural Design of Tall and Special Buildings</i> , 2009 , 19, n/a-n/a	1.8	5
23	Design of MR dampers to prevent progressive collapse of moment frames. <i>Structural Engineering and Mechanics</i> , 2014 , 52, 291-306		5
22	Damage Mitigation of a Steel Column Subjected to Automobile Collision Using a Honeycomb Panel. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04019107	2	5
21	Seismic Retrofit of Framed Buildings Using Self-Centering PC Frames. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020208	3	5
20	Seismic response modification factors of reinforced concrete staggered wall structures. <i>Magazine of Concrete Research</i> , 2015 , 67, 1070-1083	2	4
19	Seismic demand of an RC special moment frame building. <i>Structural Design of Tall and Special Buildings</i> , 2009 , 18, 137-147	1.8	4
18	A machine learning procedure for seismic qualitative assessment and design of structures considering safety and serviceability. <i>Journal of Building Engineering</i> , 2022 , 50, 104190	5.2	4
17	Progressive collapse resisting capacity of building structures with outrigger trusses. <i>Structural Design of Tall and Special Buildings</i> , 2012 , 21, 566-577	1.8	3
16	Seismic performance evaluation of tall and nonseismic-designed wall-type structures by shaking table tests. <i>Structural Design of Tall and Special Buildings</i> , 2011 , 20, 314-326	1.8	3
15	Fuzzy-based method for efficient seismic performance evaluation of structures with uncertainty. <i>Computer-Aided Civil and Infrastructure Engineering</i> ,	8.4	3
14	Seismic Capacity Design and Retrofit of Reinforced Concrete Staggered Wall Structures. <i>International Journal of Concrete Structures and Materials</i> , 2017 , 11, 285-300	2.8	2
13	Seismic retrofit of a soft first-story building using viscoelastic dampers considering inherent uncertainties. <i>Journal of Building Engineering</i> , 2022 , 47, 103866	5.2	2
12	Fuzzy analysis of a viscoelastic damper in seismic retrofit of structures. <i>Engineering Structures</i> , 2022 , 250, 113473	4.7	2
11	Seismic retrofit of 3000 kVA power transformer using friction dampers and prestressed tendons. <i>Structures</i> , 2021 , 32, 641-650	3.4	2
10	Experimental study on seismic retrofit of a RC frame using viscoelastic dampers. <i>Structures</i> , 2021 , 34, 771-786	3.4	2

9	Seismic Fragility Evaluation of Retrofitted Low-Rise RC Structures. <i>Sustainable Civil Infrastructures</i> , 2020 , 1-12	0.2	1
8	An integrated system for simplified seismic performance evaluation and life-cycle cost analysis. <i>Journal of Building Engineering</i> , 2022 , 45, 103655	5.2	0
7	Experimental study on seismic performance of prefabricated viscoelastic damping bolted joints. <i>Engineering Structures</i> , 2022 , 256, 113933	4.7	0
6	Fragility-based framework for optimal damper placement in low-rise moment-frame buildings using machine learning and genetic algorithm. <i>Journal of Building Engineering</i> , 2022 , 54, 104641	5.2	0
5	Discussion: Analysis of reinforced concrete frames subjected to column loss. <i>Magazine of Concrete Research</i> , 2013 , 65, 272-272	2	
4	Adaptive Newton-Raphson Method for Analysis of Structures with Material Nonlinearity Using Stiffness-Equivalent Load. <i>Advances in Structural Engineering</i> , 2011 , 14, 917-929	1.9	
3	Seismic Performance Evaluation of Structures Retrofitted with Viscoelastic-Slit Hybrid Dampers. <i>Journal of the Earthquake Engineering Society of Korea</i> , 2018 , 22, 361-367	0.2	
2	A rotational friction damper-brace for seismic design of resilient framed structures. <i>Journal of Building Engineering</i> , 2022 , 51, 104248	5.2	
1	Fuzzy probabilistic evaluation of soil-structure interaction effects on the soft-first-story structures. <i>Engineering Structures</i> , 2022 , 262, 114348	4.7	