Jinkoo Kim

List of Publications by Year in Descending Order

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	A machine learning procedure for seismic qualitative assessment and design of structures considering safety and serviceability. *Journal of Building Engineering*, **2022**, 50, 104190	5.2	4
97	An integrated system for simplified seismic performance evaluation and life-cycle cost analysis. *Journal of Building Engineering*, **2022**, 45, 103655	5.2	0
96	Seismic retrofit of a soft first-story building using viscoelastic dampers considering inherent uncertainties. *Journal of Building Engineering*, **2022**, 47, 103866	5.2	2
95	Fuzzy analysis of a viscoelastic damper in seismic retrofit of structures. *Engineering Structures*, **2022** , 250, 113473	4.7	2
94	Experimental study on seismic performance of prefabricated viscoelastic damping bolted joints. *Engineering Structures*, **2022**, 256, 113933	4.7	0
93	A rotational friction damper-brace for seismic design of resilient framed structures. *Journal of Building Engineering*, **2022**, 51, 104248	5.2	
92	Fuzzy probabilistic evaluation of soil-structure interaction effects on the soft-first-story structures. *Engineering Structures*, **2022**, 262, 114348	4.7	
91	Fragility-based framework for optimal damper placement in low-rise moment-frame buildings using machine learning and genetic algorithm. *Journal of Building Engineering*, **2022**, 54, 104641	5.2	0
90	Parameterized seismic life-cycle cost evaluation method for building structures. *Structure and Infrastructure Engineering*, **2021**, 17, 425-439	2.9	7
89	Seismic retrofit of 3000 kVA power transformer using friction dampers and prestressed tendons. *Structures*, **2021**, 32, 641-650	3.4	2
88	Soil-structure interaction effect on seismic retrofit of a soft first-story structure. *Structures*, **2021**, 32, 1553-1564	3.4	8
87	Performance-based seismic retrofit of RC structures using concentric braced frames equipped with friction dampers and disc springs. *Engineering Structures*, **2021**, 243, 112555	4.7	6
86	Experimental study on seismic retrofit of a RC frame using viscoelastic dampers. *Structures*, **2021**, 34, 771-786	3.4	2
85	Experimental and Numerical Sensitivity Assessment of Viscoelasticity for Polymer Composite Materials. *Scientific Reports*, **2020**, 10, 675	4.9	9
84	Seismic Fragility Evaluation of Retrofitted Low-Rise RC Structures. *Sustainable Civil Infrastructures*, **2020**, 1-12	0.2	1
83	Damage Mitigation of a Steel Column Subjected to Automobile Collision Using a Honeycomb Panel. *Journal of Performance of Constructed Facilities*, **2020**, 34, 04019107	2	5
82	Seismic retrofit of RC buildings using self-centering PC frames with friction-dampers. *Engineering Structures*, **2020**, 208, 109925	4.7	13

81	Seismic retrofit of structures using rotational friction dampers with restoring force. *Advances in Structural Engineering*, **2020**, 23, 3525-3540	1.9	6
80	Seismic Retrofit of Framed Buildings Using Self-Centering PC Frames. *Journal of Structural Engineering*, **2020**, 146, 04020208	3	5
79	Seismic Retrofit of Structures Using Hybrid Steel Slit-Viscoelastic Dampers. *Journal of Structural Engineering*, **2020**, 146, 04020238	3	9
78	Seismic retrofit of a structure using self-centring precast concrete frames with enlarged beam ends. *Magazine of Concrete Research*, **2020**, 72, 1155-1170	2	6
77	Seismic performance evaluation of a multi-slit damper. *Engineering Structures*, **2019**, 189, 332-346	4.7	13
76	Variance-based global sensitivity analysis for fuzzy random structural systems. *Computer-Aided Civil and Infrastructure Engineering*, **2019**, 34, 602-615	8.4	14
75	Life-cycle cost evaluation of steel structures retrofitted with steel slit damper and shape memory alloy-based hybrid damper. *Advances in Structural Engineering*, **2019**, 22, 3-16	1.9	19
74	Seismic Retrofit of Soft-First-Story Structures Using Rotational Friction Dampers. *Journal of Structural Engineering*, **2019**, 145, 04019162	3	22
73	Seismic Performance Evaluation of Steel Diagrid Buildings. *International Journal of Steel Structures*, **2018**, 18, 1035-1047	1.3	6
72	Computationally efficient framework for probabilistic collapse analysis of structures under extreme actions. *Engineering Structures*, **2018**, 172, 440-452	4.7	28
71	Seismic Performance Evaluation of Structures Retrofitted with Viscoelastic-Slit Hybrid Dampers. *Journal of the Earthquake Engineering Society of Korea*, **2018**, 22, 361-367	0.2	
70	Seismic performance evaluation of a spring viscous damper cable system. *Engineering Structures*, **2018**, 176, 455-467	4.7	19
69	Performance-based seismic design of staggered truss frames with friction dampers. *Thin-Walled Structures*, **2017**, 111, 197-209	4.7	11
68	Simplified seismic life cycle cost estimation of a steel jacket offshore platform structure. *Structure and Infrastructure Engineering*, **2017**, 13, 1027-1044	2.9	13
67	Seismic performance of steel plate slit-friction hybrid dampers. *Journal of Constructional Steel Research*, **2017**, 136, 128-139	3.8	34
66	Seismic retrofit of structures using steel honeycomb dampers. *International Journal of Steel Structures*, **2017**, 17, 215-229	1.3	12
65	Development of box-shaped steel slit dampers for seismic retrofit of building structures. *Engineering Structures*, **2017**, 150, 934-946	4.7	43
64	Seismic Capacity Design and Retrofit of Reinforced Concrete Staggered Wall Structures. *International Journal of Concrete Structures and Materials*, **2017**, 11, 285-300	2.8	2

63	Seismic loss assessment of a structure retrofitted with slit-friction hybrid dampers. *Engineering Structures*, **2017**, 130, 336-350	4.7	43
62	Seismic performance evaluation of a structure retrofitted using steel slit dampers with shape memory alloy bars. *International Journal of Steel Structures*, **2017**, 17, 1627-1638	1.3	18
61	Seismic Behavior Factors of RC Staggered Wall Buildings. *International Journal of Concrete Structures and Materials*, **2016**, 10, 355-371	2.8	6
60	Sensitivity analysis on seismic life-cycle cost of a fixed-steel offshore platform structure. *Ocean Engineering*, **2016**, 121, 323-340	3.9	27
59	Seismic retrofit of asymmetric structures using steel plate slit dampers. *Journal of Constructional Steel Research*, **2016**, 120, 232-244	3.8	15
58	Seismic retrofit of special truss moment frames using viscous dampers. *Journal of Constructional Steel Research*, **2016**, 123, 53-67	3.8	18
57	Seismic Performance Evaluation and Retrofit of Fixed Jacket Offshore Platform Structures. *Journal of Performance of Constructed Facilities*, **2015**, 29, 04014099	2	8
56	Seismic retrofit schemes for staggered truss structures. *Engineering Structures*, **2015**, 102, 93-107	4.7	7
55	Seismic response modification factors of reinforced concrete staggered wall structures. *Magazine of Concrete Research*, **2015**, 67, 1070-1083	2	4
54	Monotonic Loading Tests of RC Beam-Column Subassemblage Strengthened to Prevent Progressive Collapse. *International Journal of Concrete Structures and Materials*, **2015**, 9, 401-413	2.8	26
53	Seismic performance of pile-founded fixed jacket platforms with chevron braces. *Structure and Infrastructure Engineering*, **2015**, 11, 776-795	2.9	7
52	Progressive Collapse of Steel Moment Frames Subjected to Vehicle Impact. *Journal of Performance of Constructed Facilities*, **2015**, 29, 04014172	2	18
51	Seismic performance evaluation of moment frames with slit-friction hybrid dampers. *Earthquake and Structures*, **2015**, 9, 1291-1311		17
50	Design of special truss moment frames considering progressive collapse. *International Journal of Steel Structures*, **2014**, 14, 331-343	1.3	11
49	Sensitivity analysis of pile-founded fixed steel jacket platforms subjected to seismic loads. *Ocean Engineering*, **2014**, 85, 1-11	3.9	18
48	Design of MR dampers to prevent progressive collapse of moment frames. *Structural Engineering and Mechanics*, **2014**, 52, 291-306		5
47	Progressive collapse resisting capacity of tilted building structures. *Structural Design of Tall and Special Buildings*, **2013**, 22, 1359-1375	1.8	8
46	Retrofit of RC frames against progressive collapse using prestressing tendons. *Structural Design of Tall and Special Buildings*, **2013**, 22, 349-361	1.8	18

45	Progressive collapse resisting capacity of moment frames with viscous dampers. *Structural Design of Tall and Special Buildings*, **2013**, 22, 399-414	1.8	15
44	Progressive collapse-resisting capacity of modular mega-frame buildings. *Structural Design of Tall and Special Buildings*, **2013**, 22, 471-484	1.8	12
43	Progressive collapse-resisting capacity of framed structures with infill steel panels. *Journal of Constructional Steel Research*, **2013**, 89, 145-152	3.8	9
42	Discussion: Analysis of reinforced concrete frames subjected to column loss. *Magazine of Concrete Research*, **2013**, 65, 272-272	2	
41	Seismic performance evaluation of staggered wall structures using Fema P695 procedure. *Magazine of Concrete Research*, **2013**, 65, 1023-1033	2	12
40	Progressive collapse resisting capacity of building structures with outrigger trusses. *Structural Design of Tall and Special Buildings*, **2012**, 21, 566-577	1.8	3
39	Collapse resistance of unreinforced steel moment connections. *Structural Design of Tall and Special Buildings*, **2012**, 21, 724-735	1.8	6
38	Seismic performance evaluation of diagrid system buildings. *Structural Design of Tall and Special Buildings*, **2012**, 21, 736-749	1.8	45
37	Progressive collapse behavior of rotor-type diagrid buildings. *Structural Design of Tall and Special Buildings*, **2012**, 22, n/a-n/a	1.8	5
36	Experimental and analytical studies on Buckling-Restrained Knee Bracing systems with channel sections. *International Journal of Steel Structures*, **2012**, 12, 93-106	1.3	19
35	Analysis of reinforced concrete frames subjected to column loss. *Magazine of Concrete Research*, **2012**, 64, 21-33	2	26
34	Cyclic test of buckling restrained braces composed of square steel rods and steel tube. *Steel and Composite Structures*, **2012**, 13, 423-436		20
33	Adaptive Newton-Raphson Method for Analysis of Structures with Material Nonlinearity Using Stiffness-Equivalent Load. *Advances in Structural Engineering*, **2011**, 14, 917-929	1.9	
32	Seismic performance evaluation of partially staggered-wall apartment buildings. *Magazine of Concrete Research*, **2011**, 63, 927-939	2	6
31	Seismic performance evaluation of tall and nonseismic-designed wall-type structures by shaking table tests. *Structural Design of Tall and Special Buildings*, **2011**, 20, 314-326	1.8	3
30	Progressive collapse resisting capacity of braced frames. *Structural Design of Tall and Special Buildings*, **2011**, 20, 257-270	1.8	32
29	Progressive collapse performance of irregular buildings. *Structural Design of Tall and Special Buildings*, **2011**, 20, 721-734	1.8	26
28	Sensitivity analysis of steel buildings subjected to column loss. *Engineering Structures*, **2011**, 33, 421-432	4.7	57

27	New installation scheme for viscoelastic dampers using cables. *Canadian Journal of Civil Engineering* , **2010**, 37, 1201-1211	1.3	16
26	Fragility analysis of steel moment frames with various seismic connections subjected to sudden loss of a column. *Engineering Structures*, **2010**, 32, 1547-1555	4.7	32
25	Development of integrated system for progressive collapse analysis of building structures considering dynamic effects. *Advances in Engineering Software*, **2009**, 40, 1-8	3.6	61
24	Seismic demand of an RC special moment frame building. *Structural Design of Tall and Special Buildings*, **2009**, 18, 137-147	1.8	4
23	Seismic performance of tubular structures with buckling restrained braces. *Structural Design of Tall and Special Buildings*, **2009**, 18, 351-370	1.8	11
22	Evaluation of progressive collapse potential of steel moment frames considering catenary action. *Structural Design of Tall and Special Buildings*, **2009**, 18, 455-465	1.8	75
21	Progressive collapse resisting capacity of tube-type structures. *Structural Design of Tall and Special Buildings*, **2009**, 19, n/a-n/a	1.8	5
20	Assessment of progressive collapse-resisting capacity of steel moment frames. *Journal of Constructional Steel Research*, **2009**, 65, 169-179	3.8	165
19	Collapse analysis of steel moment frames with various seismic connections. *Journal of Constructional Steel Research*, **2009**, 65, 1316-1322	3.8	47
18	Investigation of Progressive Collapse-Resisting Capability of Steel Moment Frames Using Push-Down Analysis. *Journal of Performance of Constructed Facilities*, **2009**, 23, 327-335	2	54
17	Progressive Collapse-Resisting Capacity of Steel Moment Frames considering Panel Zone Deformation. *Advances in Structural Engineering*, **2009**, 12, 231-240	1.9	10
16	Seismic behavior factors of buckling-restrained braced frames. *Structural Engineering and Mechanics* , **2009**, 33, 261-284		19
15	Design of steel moment frames considering progressive collapse. *Steel and Composite Structures*, **2008**, 8, 85-98		41
14	Design of a bracing-friction damper system for seismic retrofitting. *Smart Structures and Systems*, **2008**, 4, 685-696		31
13	Inelastic behavior of staggered truss systems. *Structural Design of Tall and Special Buildings*, **2007**, 16, 85-105	1.8	18
12	Seismic performance evaluation of a RC special moment frame. *Structural Engineering and Mechanics*, **2007**, 27, 671-682		8
11	Displacement-Based Design of Supplemental Dampers for Seismic Retrofit of a Framed Structure. *Journal of Structural Engineering*, **2006**, 132, 873-883	3	54
10	Seismic performance of structures connected by viscoelastic dampers. *Engineering Structures*, **2006**, 28, 183-195	4.7	73

9	Energy-based seismic design of buckling-restrained braced frames using hysteretic energy spectrum. *Engineering Structures*, **2006**, 28, 304-311	4.7	82
8	Seismic design of low-rise steel frames with buckling-restrained braces. *Engineering Structures*, **2004**, 26, 543-551	4.7	83
7	Optimal design of added viscoelastic dampers and supporting braces. *Earthquake Engineering and Structural Dynamics*, **2004**, 33, 465-484	4	63
6	Optimal design of viscoelastic dampers using eigenvalue assignment. *Earthquake Engineering and Structural Dynamics*, **2004**, 33, 521-542	4	23
5	Behavior and design of structures with buckling-restrained braces. *Engineering Structures*, **2004**, 26, 693-706	4.7	80
4	Vibration tests of 5-storey steel frame with viscoelastic dampers. *Engineering Structures*, **2004**, 26, 831-839	4.7	49
3	PERFORMANCE-BASED DESIGN OF ADDED VISCOUS DAMPERS USING CAPACITY SPECTRUM METHOD. *Journal of Earthquake Engineering*, **2003**, 7, 1-24	1.8	65
2	Optimum distribution of added viscoelastic dampers for mitigation of torsional responses of plan-wise asymmetric structures. *Engineering Structures*, **2002**, 24, 1257-1269	4.7	34
1	Fuzzy-based method for efficient seismic performance evaluation of structures with uncertainty. *Computer-Aided Civil and Infrastructure Engineering*,	8.4	3