Peng Pan

List of Publications by Year
in descending order

84 papers	1,551 citations	279798 23 h-index	345221 36 g-index
85 all docs	85 docs citations	85 times ranked	895 citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Structural Safety Assessment Using a Deep Neural Network. Journal of Earthquake Engineering, 2022, 26, 2625-2641.	2.5	8
2	Test, analysis, and design of ovally‐perforated vertically‐flexible steel plate shear wall (OVSPW). Earthquake Engineering and Structural Dynamics, 2022, 51, 66-85.	4.4	4
3	Experimental study and finite element analysis of T‐shaped precast shear walls with H‐shaped shear keys. Earthquake Engineering and Structural Dynamics, 2022, 51, 1158-1179.	4.4	3
4	Two-Direction Shear-Force sensor (2D-SFS) for measurement of friction force in structural Compression‐Shear testing. Engineering Structures, 2022, 262, 114284.	5.3	0
5	Test, Analysis, and Seismic Design Approach of RC Infill Walls Isolated by PVC Tubes in Coupled Shear Wall Systems. Journal of Structural Engineering, 2022, 148, .	3.4	2
6	Development of an H-shaped shear key for mutually perpendicular precast shear walls. Measurement: Journal of the International Measurement Confederation, 2021, 168, 108271.	5.0	3
7	Offline iterative control method using frequency-splitting to drive double-layer shaking tables. Mechanical Systems and Signal Processing, 2021, 152, 107443.	8.0	8
8	Parametric analysis and new design formulas of a prefabricated energy‐dissipating composite slotted shear wall. Earthquake Engineering and Structural Dynamics, 2021, 50, 2115-2133.	4.4	7
9	Feasibility study on axial pressure detection in smart rubber bearing (SRB). Measurement: Journal of the International Measurement Confederation, 2021, 174, 109031.	5.0	6
10	Test and analysis of window vibration for anti-laser-eavesdropping. Applied Acoustics, 2021, 176, 107871.	3.3	5
11	Experimental study of a new kind of double‐layer shaking table. Earthquake Engineering and Structural Dynamics, 2021, 50, 2897-2914.	4.4	4
12	Development of distributed tunable friction pendulum system (DTFPS) for semi-active control of base-isolated buildings. Bulletin of Earthquake Engineering, 2021, 19, 6243-6268.	4.1	5
13	Shear deformation detection in smart rubber bearing (SRB) using active sensing method. Engineering Structures, 2021, 242, 112573.	5.3	7
14	Pull-Out and Shear Tests of Long Glass FRP Connector for Sandwich-Insulation Wall Panels. Journal of Composites for Construction, 2021, 25, 04021047.	3.2	1
15	Comparative study of reinforced-engineered cementitious composites and reinforced-concrete slab‐column connections under a vertical monotonic load. Engineering Structures, 2021, 244, 112740.	5.3	4
16	Development of electric actuator hybrid test system and experimental study on viscoelastic damping structures. Journal of Building Engineering, 2021, 44, 102941.	3.4	1
17	Parametric analysis of slotted RC wall for seismic resilient structure. Smart Materials and Structures, 2021, 30, 015025.	3.5	6
18	Design, simulation and test on the shape optimization of a steel shear key (SSK). Measurement: Journal of the International Measurement Confederation, 2020, 151, 107127.	5.0	5

#	ARTICLE	IF	CITATIONS
19	A novel robust optimum control algorithm and its application to semi-active controlled base-isolated structures. Bulletin of Earthquake Engineering, 2020, 18, 2431-2460.	4.1	8
20	Numerical study of isolation in the backfill zone of foundation pit method to reduce railway generated vibration in high‐rise buildings. Structural Design of Tall and Special Buildings, 2020, 29, e1691.	1.9	3
21	Seismic performances of a structure equipped with a large mass ratio multiple tuned mass damper. Structural Design of Tall and Special Buildings, 2020, 29, e1803.	1.9	6
22	Development of double-stage yielding coupling beam damper. Journal of Constructional Steel Research, 2020, 172, 106147.	3.9	13
23	Test of precast pre-stressed beam-to-column joint with damage-free reinforced concrete slab. Engineering Structures, 2020, 210, 110368.	5.3	13
24	Test and analysis of reinforced concrete (RC) precast shear wall assembled using steel shear key (SSK). Earthquake Engineering and Structural Dynamics, 2019, 48, 1595-1612.	4.4	32
25	Behaviour of wall segments and floor slabs in precast reinforced concrete shear walls assembled using steel shear keys (SSKW). Structural Control and Health Monitoring, 2019, 26, e2418.	4.0	12
26	Design, testing and finite element analysis of an improved precast prestressed beam-to-column joint. Engineering Structures, 2019, 199, 109661.	5.3	38
27	Development of prefabricated composite energy-dissipating slotted shear wall. Engineering Structures, 2019, 199, 109577.	5.3	15
28	Experimental Study of RC Prefabricated Shear Walls with Shear Keys Affected by a Slotted Floor Slab. Journal of Aerospace Engineering, 2019, 32, .	1.4	14
29	Seismic performance evaluation of an infilled rocking wall frame structure through quasi-static cyclic testing. Earthquake Engineering and Engineering Vibration, 2018, 17, 371-383.	2.3	17
30	Development of a tunable friction pendulum system for semi‐active control of building structures under earthquake ground motions. Earthquake Engineering and Structural Dynamics, 2018, 47, 1706-1721.	4.4	11
31	Development and experimental validation of an assembled steel double-stage yield buckling restrained brace. Journal of Constructional Steel Research, 2018, 145, 330-340.	3.9	56
32	Experimental study of a novel precast prestressed reinforced concrete beam-to-column joint. Engineering Structures, 2018, 156, 68-81.	5.3	98
33	Experimental investigation on the effectiveness of laminated rubber bearings to isolate metro generated vibration. Measurement: Journal of the International Measurement Confederation, 2018, 122, 554-562.	5.0	44
34	Experimental Study of FRP-Reinforced Slotted RC Shear Walls under Cyclic Loading. Journal of Composites for Construction, 2018, 22, .	3.2	15
35	An optimum model reference adaptive control algorithm for smart base-isolated structures. Bulletin of Earthquake Engineering, 2018, 16, 5647-5670.	4.1	6
36	Experimental study on slotted RC wall with steel energy dissipation links for seismic protection of buildings. Engineering Structures, 2017, 145, 1-11.	5.3	26

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37	Experimental investigation on reparability of an infilled rocking wall frame structure. Earthquake Engineering and Structural Dynamics, 2017, 46, 2777-2792.	4.4	17
38	Development of piezoelectric energy-harvesting tuned mass damper. Science China Technological Sciences, 2017, 60, 467-478.	4.0	12
39	Development of a self-centering buckling restrained brace using cross-anchored pre-stressed steel strands. Journal of Constructional Steel Research, 2017, 138, 621-632.	3.9	55
40	Substructure hybrid testing of reinforced concrete shear wall structure using a domain overlapping technique. Earthquake Engineering and Engineering Vibration, 2017, 16, 761-772.	2.3	5
41	Pseudo-dynamic tests on masonry residential buildings seismically retrofitted by precast steel reinforced concrete walls. Earthquake Engineering and Engineering Vibration, 2017, 16, 587-597.	2.3	13
42	Seismic performance of a reinforced concrete frame equipped with a double-stage yield buckling restrained brace. Structural Design of Tall and Special Buildings, 2017, 26, e1335.	1.9	34
43	Internet Online Hybrid Test Using Separated-Model Framework. , 2016, , 99-129.		0
44	Basics of the Online Hybrid Test. , 2016, , 11-26.		0
45	An Internet Online Hybrid Test Using Peer-to-Peer Framework. , 2016, , 131-173.		0
46	Experimental study on a self‐centering coupling beam eliminating the beam elongation effect. Structural Design of Tall and Special Buildings, 2016, 25, 265-277.	1.9	15
47	Higher mode effects in frame pin‐supported wall structure by using a distributed parameter model. Earthquake Engineering and Structural Dynamics, 2016, 45, 2371-2387.	4.4	16
48	Development of a buckling restrained shear panel damper. Journal of Constructional Steel Research, 2015, 106, 311-321.	3.9	107
49	Study of GFRP Steel Buckling Restraint Braces. Journal of Composites for Construction, 2015, 19, 04015009.	3.2	37
50	A distributed parameter model of a frame pin‐supported wall structure. Earthquake Engineering and Structural Dynamics, 2015, 44, 1643-1659.	4.4	27
51	Online hybrid test using a finite element program and an explicit integration scheme. Science China Technological Sciences, 2015, 58, 163-173.	4.0	0
52	Shape optimization of U-shaped damper for improving its bi-directional performance under cyclic loading. Engineering Structures, 2015, 93, 27-35.	5.3	40
53	Development of Collaborative Structure Analysis (CSA) System and Its Application to Investigate Effects of Soil-Structure Interaction. Journal of Earthquake Engineering, 2014, 18, 1151-1169.	2.5	0
54	Monotonic Loading Tests of Ring-Beam Connections for Steel Reinforced Concrete Columns and RC Beams. Journal of Structural Engineering, 2014, 140, .	3.4	8

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55	Force–displacement mixed control for collapse tests of multistory buildings using quasi–static loading systems. Earthquake Engineering and Structural Dynamics, 2014, 43, 287-300.	4.4	20
56	A simplified model for analysis of high–rise buildings equipped with hysteresis damped outriggers. Structural Design of Tall and Special Buildings, 2014, 23, 1158-1170.	1.9	37
57	Development of steel dampers for bridges to allow large displacement through a vertical free mechanism. Earthquake Engineering and Engineering Vibration, 2014, 13, 375-388.	2.3	13
58	Shape optimization design of steel shear panel dampers. Journal of Constructional Steel Research, 2014, 99, 187-193.	3.9	74
59	Development of an energy dissipation restrainer for bridges using a steel shear panel. Journal of Constructional Steel Research, 2014, 101, 83-95.	3.9	20
60	Test and simulation of full-scale self-centering beam-to-column connection. Earthquake Engineering and Engineering Vibration, 2013, 12, 599-607.	2.3	26
61	Cyclic loading tests and finite element analyses on performance of ring beam connections. Engineering Structures, 2013, 56, 682-690.	5.3	17
62	Development of crawler steel damper for bridges. Journal of Constructional Steel Research, 2013, 85, 140-150.	3.9	62
63	Skyline–based ground motion selection method for nonlinear time history analysis of building structures. Earthquake Engineering and Structural Dynamics, 2013, 42, 1361-1373.	4.4	7
64	Engineering practice of seismic isolation and energy dissipation structures in China. Science China Technological Sciences, 2012, 55, 3036-3046.	4.0	32
65	Fire detection algorithms for video images of large space structures. Multimedia Tools and Applications, 2011, 52, 45-63.	3.9	13
66	Experimental studies of full-scale self-centering beam-to-column exterior connection. , 2011, , .		1
67	Development of steel dampers for bridges. , 2011, , .		0
68	Effect of hyperbranched poly(ester amine) additive on electrospinning of low concentration poly(methyl methacrylate) solutions. Journal of Applied Polymer Science, 2010, 115, 3687-3696.	2.6	15
69	Frameworks for Internet Online Hybrid Test. Geotechnical, Geological and Earthquake Engineering, 2010, , 441-450.	0.2	0
70	Phase morphology and mechanical properties of the electrospun polyoxymethylene/polyurethane blend fiber mats. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1853-1859.	2.1	15
71	Fire Detection Algorithms in Video Images for High and Large-Span Space Structures. , 2009, , .		5
72	Numerical characteristics of peer–to–peer (P2P) internet online hybrid test system and its application to seismic simulation of SRC structure. Earthquake Engineering and Structural Dynamics, 2008, 37, 265-282.	4.4	16

#	ARTICLE	IF	CITATIONS
73	Collapse simulation of a four‐story steel moment frame by a distributed online hybrid test. Earthquake Engineering and Structural Dynamics, 2008, 37, 955-974.	4.4	29
74	Hybrid formulation of operator splitting (OS) and Newmark‐β methods for collaborative structural analysis (CSA). Earthquake Engineering and Structural Dynamics, 2008, 37, 1117-1133.	4.4	8
75	Shape Optimization of H-Beam Flange for Maximum Plastic Energy Dissipation. Journal of Structural Engineering, 2007, 133, 1176-1179.	3.4	19
76	A modified operator splitting (OS) method for collaborative structural analysis (CSA). International Journal for Numerical Methods in Engineering, 2007, 72, 379-396.	2.8	6
77	Development of peer-to-peer (P2P) internet online hybrid test system. Earthquake Engineering and Structural Dynamics, 2006, 35, 867-890.	4.4	54
78	On-line hybrid test combining with general-purpose finite element software. Earthquake Engineering and Structural Dynamics, 2006, 35, 1471-1488.	4.4	30
79	Online hybrid test by Internet linkage of distributed test-analysis domainsEarthquake Engineering and Structural Dynamics 2006;35(12):1581â€"1583. Earthquake Engineering and Structural Dynamics, 2006, 35, 1585-1585.	4.4	1
80	Online test using displacement-force mixed control. Earthquake Engineering and Structural Dynamics, 2005, 34, 869-888.	4.4	52
81	Online hybrid test by internet linkage of distributed test-analysis domains. Earthquake Engineering and Structural Dynamics, 2005, 34, 1407-1425.	4.4	58
82	Title is missing!. Journal of Earthquake Engineering, 2005, 9, 147.	2.5	25
83	A framework and implementation techniques for cooperative architectural engineering design systems. , 0, , .		3
84	Experimental validation on seismic performance of a monolithic precast RC shear wall structure with novel connections. Advances in Structural Engineering, 0, , 136943322110606.	2.4	1