

Peng Pan

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Development of a buckling restrained shear panel damper. Journal of Constructional Steel Research, 2015, 106, 311-321. | 3.9 | 107 |
| 2 | Experimental study of a novel precast prestressed reinforced concrete beam-to-column joint. Engineering Structures, 2018, 156, 68-81. | 5.3 | 98 |
| 3 | Shape optimization design of steel shear panel dampers. Journal of Constructional Steel Research, 2014, 99, 187-193. | 3.9 | 74 |
| 4 | Development of crawler steel damper for bridges. Journal of Constructional Steel Research, 2013, 85, 140-150. | 3.9 | 62 |
| 5 | Online hybrid test by internet linkage of distributed test-analysis domains. Earthquake Engineering and Structural Dynamics, 2005, 34, 1407-1425. | 4.4 | 58 |
| 6 | 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 |
| 7 | 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 |
| 8 | Development of peer-to-peer (P2P) internet online hybrid test system. Earthquake Engineering and Structural Dynamics, 2006, 35, 867-890. | 4.4 | 54 |
| 9 | Online test using displacement-force mixed control. Earthquake Engineering and Structural Dynamics, 2005, 34, 869-888. | 4.4 | 52 |
| 10 | 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 |
| 11 | Shape optimization of U-shaped damper for improving its bi-directional performance under cyclic loading. Engineering Structures, 2015, 93, 27-35. | 5.3 | 40 |
| 12 | Design, testing and finite element analysis of an improved precast prestressed beam-to-column joint. Engineering Structures, 2019, 199, 109661. | 5.3 | 38 |
| 13 | 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 |
| 14 | Study of GFRP Steel Buckling Restraint Braces. Journal of Composites for Construction, 2015, 19, 04015009. | 3.2 | 37 |
| 15 | 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 |
| 16 | Engineering practice of seismic isolation and energy dissipation structures in China. Science China Technological Sciences, 2012, 55, 3036-3046. | 4.0 | 32 |
| 17 | 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 |
| 18 | On-line hybrid test combining with general-purpose finite element software. Earthquake Engineering and Structural Dynamics, 2006, 35, 1471-1488. | 4.4 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Collapse simulation of a four-story steel moment frame by a distributed online hybrid test. <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 955-974. | 4.4 | 29 |
| 20 | A distributed parameter model of a frame pin-supported wall structure. <i>Earthquake Engineering and Structural Dynamics</i> , 2015, 44, 1643-1659. | 4.4 | 27 |
| 21 | Test and simulation of full-scale self-centering beam-to-column connection. <i>Earthquake Engineering and Engineering Vibration</i> , 2013, 12, 599-607. | 2.3 | 26 |
| 22 | Experimental study on slotted RC wall with steel energy dissipation links for seismic protection of buildings. <i>Engineering Structures</i> , 2017, 145, 1-11. | 5.3 | 26 |
| 23 | Title is missing!. <i>Journal of Earthquake Engineering</i> , 2005, 9, 147. | 2.5 | 25 |
| 24 | Force-displacement mixed control for collapse tests of multistory buildings using quasi-static loading systems. <i>Earthquake Engineering and Structural Dynamics</i> , 2014, 43, 287-300. | 4.4 | 20 |
| 25 | Development of an energy dissipation restrainer for bridges using a steel shear panel. <i>Journal of Constructional Steel Research</i> , 2014, 101, 83-95. | 3.9 | 20 |
| 26 | Shape Optimization of H-Beam Flange for Maximum Plastic Energy Dissipation. <i>Journal of Structural Engineering</i> , 2007, 133, 1176-1179. | 3.4 | 19 |
| 27 | Cyclic loading tests and finite element analyses on performance of ring beam connections. <i>Engineering Structures</i> , 2013, 56, 682-690. | 5.3 | 17 |
| 28 | Experimental investigation on reparability of an infilled rocking wall frame structure. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 2777-2792. | 4.4 | 17 |
| 29 | Seismic performance evaluation of an infilled rocking wall frame structure through quasi-static cyclic testing. <i>Earthquake Engineering and Engineering Vibration</i> , 2018, 17, 371-383. | 2.3 | 17 |
| 30 | Numerical characteristics of peer-to-peer (P2P) internet online hybrid test system and its application to seismic simulation of SRC structure. <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 265-282. | 4.4 | 16 |
| 31 | Higher mode effects in frame pin-supported wall structure by using a distributed parameter model. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 2371-2387. | 4.4 | 16 |
| 32 | Phase morphology and mechanical properties of the electrospun polyoxymethylene/polyurethane blend fiber mats. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1853-1859. | 2.1 | 15 |
| 33 | Effect of hyperbranched poly(ester amine) additive on electrospinning of low concentration poly(methyl methacrylate) solutions. <i>Journal of Applied Polymer Science</i> , 2010, 115, 3687-3696. | 2.6 | 15 |
| 34 | Experimental study on a self-centering coupling beam eliminating the beam elongation effect. <i>Structural Design of Tall and Special Buildings</i> , 2016, 25, 265-277. | 1.9 | 15 |
| 35 | Experimental Study of FRP-Reinforced Slotted RC Shear Walls under Cyclic Loading. <i>Journal of Composites for Construction</i> , 2018, 22, . | 3.2 | 15 |
| 36 | Development of prefabricated composite energy-dissipating slotted shear wall. <i>Engineering Structures</i> , 2019, 199, 109577. | 5.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Experimental Study of RC Prefabricated Shear Walls with Shear Keys Affected by a Slotted Floor Slab. <i>Journal of Aerospace Engineering</i> , 2019, 32, . | 1.4 | 14 |
| 38 | Fire detection algorithms for video images of large space structures. <i>Multimedia Tools and Applications</i> , 2011, 52, 45-63. | 3.9 | 13 |
| 39 | Development of steel dampers for bridges to allow large displacement through a vertical free mechanism. <i>Earthquake Engineering and Engineering Vibration</i> , 2014, 13, 375-388. | 2.3 | 13 |
| 40 | Pseudo-dynamic tests on masonry residential buildings seismically retrofitted by precast steel reinforced concrete walls. <i>Earthquake Engineering and Engineering Vibration</i> , 2017, 16, 587-597. | 2.3 | 13 |
| 41 | Development of double-stage yielding coupling beam damper. <i>Journal of Constructional Steel Research</i> , 2020, 172, 106147. | 3.9 | 13 |
| 42 | Test of precast pre-stressed beam-to-column joint with damage-free reinforced concrete slab. <i>Engineering Structures</i> , 2020, 210, 110368. | 5.3 | 13 |
| 43 | Development of piezoelectric energy-harvesting tuned mass damper. <i>Science China Technological Sciences</i> , 2017, 60, 467-478. | 4.0 | 12 |
| 44 | Behaviour of wall segments and floor slabs in precast reinforced concrete shear walls assembled using steel shear keys (SSKW). <i>Structural Control and Health Monitoring</i> , 2019, 26, e2418. | 4.0 | 12 |
| 45 | Development of a tunable friction pendulum system for semi-active control of building structures under earthquake ground motions. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 1706-1721. | 4.4 | 11 |
| 46 | Hybrid formulation of operator splitting (OS) and Newmark's methods for collaborative structural analysis (CSA). <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 1117-1133. | 4.4 | 8 |
| 47 | Monotonic Loading Tests of Ring-Beam Connections for Steel Reinforced Concrete Columns and RC Beams. <i>Journal of Structural Engineering</i> , 2014, 140, . | 3.4 | 8 |
| 48 | A novel robust optimum control algorithm and its application to semi-active controlled base-isolated structures. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 2431-2460. | 4.1 | 8 |
| 49 | Rapid Structural Safety Assessment Using a Deep Neural Network. <i>Journal of Earthquake Engineering</i> , 2022, 26, 2625-2641. | 2.5 | 8 |
| 50 | Offline iterative control method using frequency-splitting to drive double-layer shaking tables. <i>Mechanical Systems and Signal Processing</i> , 2021, 152, 107443. | 8.0 | 8 |
| 51 | Skyline-based ground motion selection method for nonlinear time history analysis of building structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2013, 42, 1361-1373. | 4.4 | 7 |
| 52 | Parametric analysis and new design formulas of a prefabricated energy-dissipating composite slotted shear wall. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 2115-2133. | 4.4 | 7 |
| 53 | Shear deformation detection in smart rubber bearing (SRB) using active sensing method. <i>Engineering Structures</i> , 2021, 242, 112573. | 5.3 | 7 |
| 54 | A modified operator splitting (OS) method for collaborative structural analysis (CSA). <i>International Journal for Numerical Methods in Engineering</i> , 2007, 72, 379-396. | 2.8 | 6 |

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|----|--|-----|-----------|
| 55 | An optimum model reference adaptive control algorithm for smart base-isolated structures. Bulletin of Earthquake Engineering, 2018, 16, 5647-5670. | 4.1 | 6 |
| 56 | 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 |
| 57 | Feasibility study on axial pressure detection in smart rubber bearing (SRB). Measurement: Journal of the International Measurement Confederation, 2021, 174, 109031. | 5.0 | 6 |
| 58 | Parametric analysis of slotted RC wall for seismic resilient structure. Smart Materials and Structures, 2021, 30, 015025. | 3.5 | 6 |
| 59 | Fire Detection Algorithms in Video Images for High and Large-Span Space Structures. , 2009, , . | | 5 |
| 60 | 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 |
| 61 | 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 |
| 62 | Test and analysis of window vibration for anti-laser-eavesdropping. Applied Acoustics, 2021, 176, 107871. | 3.3 | 5 |
| 63 | 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 |
| 64 | Experimental study of a new kind of double-layer shaking table. Earthquake Engineering and Structural Dynamics, 2021, 50, 2897-2914. | 4.4 | 4 |
| 65 | 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 |
| 66 | 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 |
| 67 | A framework and implementation techniques for cooperative architectural engineering design systems. , 0, , . | | 3 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | Online hybrid test by Internet linkage of distributed test-analysis domains Earthquake Engineering and Structural Dynamics 2006;35(12):1581-1583. Earthquake Engineering and Structural Dynamics, 2006, 35, 1585-1585. | 4.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Experimental studies of full-scale self-centering beam-to-column exterior connection. , 2011, , . | | 1 |
| 74 | 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 |
| 75 | Development of electric actuator hybrid test system and experimental study on viscoelastic damping structures. Journal of Building Engineering, 2021, 44, 102941. | 3.4 | 1 |
| 76 | 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 |
| 77 | Development of steel dampers for bridges. , 2011, , . | | 0 |
| 78 | 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 |
| 79 | Online hybrid test using a finite element program and an explicit integration scheme. Science China Technological Sciences, 2015, 58, 163-173. | 4.0 | 0 |
| 80 | Internet Online Hybrid Test Using Separated-Model Framework. , 2016, , 99-129. | | 0 |
| 81 | Basics of the Online Hybrid Test. , 2016, , 11-26. | | 0 |
| 82 | An Internet Online Hybrid Test Using Peer-to-Peer Framework. , 2016, , 131-173. | | 0 |
| 83 | Frameworks for Internet Online Hybrid Test. Geotechnical, Geological and Earthquake Engineering, 2010, , 441-450. | 0.2 | 0 |
| 84 | Two-Direction Shear-Force sensor (2D-SFS) for measurement of friction force in structural Compressionâ€“Shear testing. Engineering Structures, 2022, 262, 114284. | 5.3 | 0 |