## Iman Hajirasouliha

List of Publications by Year in descending order

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109311 175241 3,702 139 35 52 citations g-index h-index papers 140 140 140 1869 docs citations times ranked citing authors all docs

| #  | Article                                                                                                                                                                                                  | IF           | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| 1  | A new ductile moment-resisting connection for precast concrete frames in seismic regions: An experimental investigation. Engineering Structures, 2014, 70, 144-157.                                      | 5.3          | 190       |
| 2  | Strength and deformability of waste tyre rubber-filled reinforced concrete columns. Construction and Building Materials, 2011, 25, 218-226.                                                              | 7.2          | 180       |
| 3  | Composites with recycled rubber aggregates: Properties and opportunities in construction. Construction and Building Materials, 2018, 188, 884-897.                                                       | 7.2          | 112       |
| 4  | Seismic behaviour of deficient RC frames strengthened with CFRP composites. Engineering Structures, 2010, 32, 3075-3085.                                                                                 | <b>5.</b> 3  | 105       |
| 5  | Development of more efficient cold-formed steel channel sections in bending. Thin-Walled Structures, 2016, 101, 1-13.                                                                                    | <b>5.</b> 3  | 101       |
| 6  | Deflection behaviour of FRP reinforced concrete beams and slabs: An experimental investigation. Composites Part B: Engineering, 2012, 43, 2125-2134.                                                     | 12.0         | 100       |
| 7  | Behaviour of unconfined and FRP-confined rubberised concrete in axial compression. Construction and Building Materials, 2017, 147, 388-397.                                                              | 7.2          | 87        |
| 8  | Hysteretic performance of a new blind bolted connection to concrete filled columns under cyclic loading: An experimental investigation. Engineering Structures, 2013, 46, 535-546.                       | <b>5.</b> 3  | 78        |
| 9  | Experimental investigation of local-flexural interactive buckling of cold-formed steel channel columns. Thin-Walled Structures, 2018, 125, 245-258.                                                      | 5 <b>.</b> 3 | 75        |
| 10 | Local-flexural interactive buckling of standard and optimised cold-formed steel columns. Journal of Constructional Steel Research, 2018, 144, 106-118.                                                   | 3.9          | 71        |
| 11 | Optimum design of cold-formed steel beams using Particle Swarm Optimisation method. Journal of Constructional Steel Research, 2016, 122, 80-93.                                                          | 3.9          | 70        |
| 12 | An efficient performanceâ€based seismic design method for reinforced concrete frames. Earthquake Engineering and Structural Dynamics, 2012, 41, 663-679.                                                 | 4.4          | 68        |
| 13 | Deep learning-based procedure for structural design of cold-formed steel channel sections with edge-stiffened and un-stiffened holes under axial compression. Thin-Walled Structures, 2021, 166, 108076. | 5.3          | 67        |
| 14 | Strength and deflection behaviour of cold-formed steel back-to-back channels. Engineering Structures, 2018, 177, 641-654.                                                                                | 5.3          | 58        |
| 15 | Optimum seismic design of concentrically braced steel frames: concepts and design procedures.<br>Journal of Constructional Steel Research, 2005, 61, 151-166.                                            | 3.9          | 55        |
| 16 | Performance-based seismic design of flexible-base multi-storey buildings considering soil–structure interaction. Engineering Structures, 2016, 108, 90-103.                                              | <b>5.</b> 3  | 54        |
| 17 | Experimental study of cold-formed steel built-up columns. Thin-Walled Structures, 2020, 149, 106291.                                                                                                     | 5.3          | 53        |
| 18 | New Lateral Force Distribution for Seismic Design of Structures. Journal of Structural Engineering, 2009, 135, 906-915.                                                                                  | 3.4          | 50        |

| #  | Article                                                                                                                                                                         | IF          | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
| 19 | Analytical and experimental study on the seismic performance of cold-formed steel frames. Journal of Constructional Steel Research, 2018, 143, 18-31.                           | 3.9         | 49        |
| 20 | Compressive behaviour of concrete columns confined with steel-reinforced grout jackets. Composites Part B: Engineering, 2018, 138, 222-231.                                     | 12.0        | 46        |
| 21 | Development of optimum cold-formed steel sections for maximum energy dissipation in uniaxial bending. Engineering Structures, 2018, 161, 55-67.                                 | 5.3         | 45        |
| 22 | General Seismic Load Distribution for Optimum Performance-Based Design of Shear-Buildings. Journal of Earthquake Engineering, 2012, 16, 443-462.                                | 2.5         | 44        |
| 23 | Optimum strength distribution for seismic design of tall buildings. Structural Design of Tall and Special Buildings, 2008, 17, 331-349.                                         | 1.9         | 43        |
| 24 | Cross-sectional optimization of cold-formed steel channels to Eurocode 3. Engineering Structures, 2015, 101, 641-651.                                                           | 5.3         | 43        |
| 25 | Experimental study of the cross-sectional capacity of cold-formed steel built-up columns. Thin-Walled Structures, 2020, 155, 106958.                                            | 5.3         | 43        |
| 26 | Full-Scale Shaking Table Tests on a Substandard RC Building Repaired and Strengthened with Post-Tensioned Metal Straps. Journal of Earthquake Engineering, 2014, 18, 187-213.   | 2.5         | 42        |
| 27 | Experimental investigation on the dynamic response of RC flat slabs after a sudden column loss. Engineering Structures, 2015, 99, 28-41.                                        | 5.3         | 42        |
| 28 | Multi-level performance-based design optimisation of steel frames with nonlinear viscous dampers. Bulletin of Earthquake Engineering, 2021, 19, 5015-5049.                      | 4.1         | 42        |
| 29 | Toward more rational criteria for determination of design earthquake forces. International Journal of Solids and Structures, 2006, 43, 2631-2645.                               | 2.7         | 41        |
| 30 | A simplified model for seismic response prediction of concentrically braced frames. Advances in Engineering Software, 2010, 41, 497-505.                                        | 3.8         | 41        |
| 31 | Topology optimization for the seismic design of truss-like structures. Computers and Structures, 2011, 89, 702-711.                                                             | 4.4         | 40        |
| 32 | Performance-based optimisation of RC frames with friction wall dampers using a low-cost optimisation method. Bulletin of Earthquake Engineering, 2018, 16, 5017-5040.           | 4.1         | 40        |
| 33 | Seismic performance of cold-formed steel bolted moment connections with bolting friction-slip mechanism. Journal of Constructional Steel Research, 2019, 156, 122-136.          | 3.9         | 38        |
| 34 | Ultra-lightweight engineered cementitious composite using waste recycled hollow glass microspheres. Journal of Cleaner Production, 2020, 249, 119331.                           | 9.3         | 38        |
| 35 | Development of optimum cold-formed steel beams for serviceability and ultimate limit states using Big Bang-Big Crunch optimisation. Engineering Structures, 2019, 195, 172-181. | 5.3         | 35        |
| 36 | Efficient design of cold-formed steel bolted-moment connections for earthquake resistant frames. Thin-Walled Structures, 2020, 150, .                                           | <b>5.</b> 3 | 35        |

| #  | Article                                                                                                                                                                                          | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | An investigation on the accuracy of pushover analysis for estimating the seismic deformation of braced steel frames. Journal of Constructional Steel Research, 2006, 62, 343-351.                | 3.9 | 32        |
| 38 | Experimental Study of Cold-Formed Steel Built-Up Beams. Journal of Structural Engineering, 2020, 146,                                                                                            | 3.4 | 32        |
| 39 | Shape optimization of cold-formed steel beam-columns with practical and manufacturing constraints. Journal of Constructional Steel Research, 2019, 155, 249-259.                                 | 3.9 | 30        |
| 40 | A Practical Method for Optimum Seismic Design of Friction Wall Dampers. Earthquake Spectra, 2017, 33, 1033-1052.                                                                                 | 3.1 | 29        |
| 41 | Adaptive low computational cost optimisation method for performance-based seismic design of friction dampers. Engineering Structures, 2019, 198, 109549.                                         | 5.3 | 29        |
| 42 | Local Buckling in Cold-Formed Steel Moment-Resisting Bolted Connections: Behavior, Capacity, and Design. Journal of Structural Engineering, 2020, 146, .                                         | 3.4 | 29        |
| 43 | Optimum lateral load distribution for seismic design of nonlinear shear-buildings considering soil-structure interaction. Soil Dynamics and Earthquake Engineering, 2016, 88, 356-368.           | 3.8 | 28        |
| 44 | Experimental Investigation of Cross-Sectional Bending Capacity of Cold-Formed Steel Channels Subject to Local-Distortional Buckling Interaction. Journal of Structural Engineering, 2019, 145, . | 3.4 | 27        |
| 45 | A practical methodology for optimum seismic design of RC frames for minimum damage and life-cycle cost. Engineering Structures, 2020, 202, 109896.                                               | 5.3 | 27        |
| 46 | Optimum drilled flange moment resisting connections for seismic regions. Journal of Constructional Steel Research, 2015, 112, 325-338.                                                           | 3.9 | 26        |
| 47 | Steel-Reinforced Grout (SRG) strengthening of shear-critical RC beams. Construction and Building Materials, 2019, 216, 68-83.                                                                    | 7.2 | 26        |
| 48 | Development of a monolithic-like precast beam-column moment connection: Experimental and analytical investigation. Engineering Structures, 2020, 205, 110057.                                    | 5.3 | 26        |
| 49 | Seismic performance evaluation of deficient steel moment-resisting frames retrofitted by vertical link elements. Structures, 2020, 26, 724-736.                                                  | 3.6 | 26        |
| 50 | An improved replacement oscillator approach for soil-structure interaction analysis considering soft soils. Engineering Structures, 2018, 167, 26-38.                                            | 5.3 | 24        |
| 51 | Practical method for optimal rehabilitation of steel frame buildings using buckling restrained brace dampers. Soil Dynamics and Earthquake Engineering, 2019, 123, 242-251.                      | 3.8 | 24        |
| 52 | Seismic reliability analysis and estimation of multilevel response modification factor for steel diagrid structural systems. Journal of Building Engineering, 2020, 29, 101168.                  | 3.4 | 24        |
| 53 | Design and Optimization of Cold-Formed Steel Sections in Bolted Moment Connections Considering<br>Bimoment. Journal of Structural Engineering, 2020, 146, .                                      | 3.4 | 24        |
| 54 | Direct displacement-based seismic design of flexible-base structures subjected to pulse-like ground motions. Engineering Structures, 2018, 168, 276-289.                                         | 5.3 | 23        |

| #  | Article                                                                                                                                                                            | IF  | Citations |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Simplified Method for Optimal Design of Friction Damper Slip Loads by Considering Near-Field and Far-Field Ground Motions. Journal of Earthquake Engineering, 2021, 25, 1851-1875. | 2.5 | 23        |
| 56 | Optimisation of cold-formed steel beams for best seismic performance in bolted moment connections. Journal of Constructional Steel Research, 2021, 181, 106621.                    | 3.9 | 23        |
| 57 | Multi-Directional Base Isolation System for Coupled Horizontal and Vertical Seismic Excitations. Journal of Earthquake Engineering, 2022, 26, 1145-1170.                           | 2.5 | 22        |
| 58 | Structural Size Optimization of Single and Built-Up Cold-Formed Steel Beam-Column Members. Journal of Structural Engineering, 2021, 147, .                                         | 3.4 | 22        |
| 59 | Behavior and Design of Cold-Formed Steel Bolted Connections Subjected to Combined Actions.<br>Journal of Structural Engineering, 2021, 147, .                                      | 3.4 | 22        |
| 60 | A simplified Nonlinear Sway-Rocking model for evaluation of seismic response of structures on shallow foundations. Soil Dynamics and Earthquake Engineering, 2016, 81, 14-26.      | 3.8 | 21        |
| 61 | Optimum energy based seismic design of friction dampers in RC structures. Structures, 2020, 27, 2550-2562.                                                                         | 3.6 | 21        |
| 62 | Strengthening of short splices in RC beams using Post-Tensioned Metal Straps. Materials and Structures/Materiaux Et Constructions, 2016, 49, 133-147.                              | 3.1 | 20        |
| 63 | A practical probabilistic earthquake hazard analysis tool: case study Marmara region. Bulletin of Earthquake Engineering, 2020, 18, 2523-2555.                                     | 4.1 | 20        |
| 64 | Seismic retrofitting of RC buildings using CFRP and post-tensioned metal straps: shake table tests. Bulletin of Earthquake Engineering, 2017, 15, 3321-3347.                       | 4.1 | 19        |
| 65 | Estimation of seismic response parameters and capacity of irregular tunnel-form buildings. Bulletin of Earthquake Engineering, 2019, 17, 5217-5239.                                | 4.1 | 19        |
| 66 | Cold-formed steel beam-to-column bolted connections for seismic applications. Thin-Walled Structures, 2022, 172, 108876.                                                           | 5.3 | 19        |
| 67 | More efficient design of reduced beam sections (RBS) for maximum seismic performance. Journal of Constructional Steel Research, 2021, 183, 106728.                                 | 3.9 | 18        |
| 68 | Accurate prediction of cyclic hysteresis behaviour of RBS connections using Deep Learning Neural Networks. Engineering Structures, 2021, 247, 113156.                              | 5.3 | 18        |
| 69 | Influence of masonry infill on the seismic performance of concentrically braced frames. Journal of Constructional Steel Research, 2013, 88, 150-163.                               | 3.9 | 17        |
| 70 | Coupled element and structural level optimisation framework for cold-formed steel frames. Journal of Constructional Steel Research, 2020, 168, 105867.                             | 3.9 | 17        |
| 71 | Effects of uncertainties on seismic behaviour of optimum designed braced steel frames. Steel and Composite Structures, 2016, 20, 317-335.                                          | 1.3 | 17        |
| 72 | Performance evaluation of curved damper truss moment frames designed using equivalent energy design procedure. Engineering Structures, 2021, 226, 111363.                          | 5.3 | 16        |

| #  | Article                                                                                                                                                                                                         | IF  | Citations |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Seismic reliability assessment of RC tunnel-form structures with geometric irregularities using a combined system approach. Soil Dynamics and Earthquake Engineering, 2020, 139, 106356.                        | 3.8 | 15        |
| 74 | Constrained optimization of anti-symmetric cold-formed steel beam-column sections. Engineering Structures, 2021, 228, 111452.                                                                                   | 5.3 | 15        |
| 75 | Performance-based assessment of CFS strap-braced stud walls under seismic loading. Journal of Constructional Steel Research, 2021, 183, 106731.                                                                 | 3.9 | 15        |
| 76 | Innovative self-centering systems using shape memory alloy bolts and energy dissipating devices. Journal of Constructional Steel Research, 2022, 190, 107127.                                                   | 3.9 | 15        |
| 77 | A practical grid generation procedure for the design of free-form structures. Computers and Structures, 2018, 196, 292-310.                                                                                     | 4.4 | 14        |
| 78 | Design-oriented models for concrete columns confined by steel-reinforced grout jackets. Construction and Building Materials, 2018, 178, 313-326.                                                                | 7.2 | 14        |
| 79 | Tensile stress-strain characteristics of rubberised concrete from flexural tests. Construction and Building Materials, 2020, 236, 117591.                                                                       | 7.2 | 14        |
| 80 | Seismic reliability analysis of steel moment-resisting frames retrofitted by vertical link elements using combined series–parallel system approach. Bulletin of Earthquake Engineering, 2021, 19, 831-862.      | 4.1 | 14        |
| 81 | Reliability analysis and multi-level response modification factors for buckling restrained braced frames. Journal of Constructional Steel Research, 2020, 171, 106137.                                          | 3.9 | 14        |
| 82 | Multilevel seismic demand prediction for acceleration-sensitive non-structural components. Engineering Structures, 2019, 200, 109713.                                                                           | 5.3 | 13        |
| 83 | Optimal design of cold roll formed steel channel sections under bending considering both geometry and cold work effects. Thin-Walled Structures, 2020, 157, 107020.                                             | 5.3 | 13        |
| 84 | Life-cycle cost based design of bridge lead-rubber isolators in seismic regions. Structures, 2020, 27, 383-395.                                                                                                 | 3.6 | 13        |
| 85 | Experimental and numerical investigation of a proposed monolithic-like precast concrete column-foundation connection. Engineering Structures, 2021, 246, 113090.                                                | 5.3 | 13        |
| 86 | Effect of stressed-skin action on optimal design of cold-formed steel square and rectangular-shaped portal frame buildings. International Journal of Steel Structures, 2016, 16, 299-307.                       | 1.3 | 12        |
| 87 | Nonlinear behaviour of reinforced concrete flat slabs after a column loss event. Advances in Structural Engineering, 2018, 21, 2169-2183.                                                                       | 2.4 | 12        |
| 88 | Effects of soilâ€structure interaction and lateral design load pattern on performanceâ€based plastic design of steel moment resisting frames. Structural Design of Tall and Special Buildings, 2019, 28, e1624. | 1.9 | 12        |
| 89 | Multi-level Response Modification Factor Estimation for Steel Moment-Resisting Frames Using Endurance-Time Method. Journal of Earthquake Engineering, 2022, 26, 4812-4832.                                      | 2.5 | 12        |
| 90 | Experimental and numerical investigations of cold-formed austenitic stainless steel unlipped channels under bearing loads. Thin-Walled Structures, 2020, 152, 106768.                                           | 5.3 | 12        |

| #   | Article                                                                                                                                                                                             | IF  | Citations |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Structural performance of reinforced concrete columns subjected to high-temperature and axial loading under different heating-cooling scenarios. Journal of Building Engineering, 2021, 42, 102477. | 3.4 | 12        |
| 92  | More efficient lateral load patterns for seismic design of steel moment-resisting frames. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2018, 171, 487-502.          | 0.8 | 11        |
| 93  | Seismic performance assessment of eccentrically braced steel frames with energy-absorbing links under sequential earthquakes. Journal of Building Engineering, 2021, 33, 101576.                    | 3.4 | 11        |
| 94  | Deterioration and damage identification in building structures using a novel feature selection method. Structures, 2021, 29, 458-470.                                                               | 3.6 | 11        |
| 95  | Bond behaviour of multi-ply steel reinforced grout composites. Construction and Building Materials, 2021, 305, 124750.                                                                              | 7.2 | 11        |
| 96  | Performance-based seismic design of moment resisting steel frames: Adaptive optimisation framework and optimum design load pattern. Structures, 2021, 33, 1690-1704.                                | 3.6 | 11        |
| 97  | Dynamic column loss analysis of reinforced concrete flat slabs. Engineering Structures, 2019, 198, 109453.                                                                                          | 5.3 | 10        |
| 98  | Seismic performance assessment of multi-story steel frames with curved dampers and semi-rigid connections. Journal of Constructional Steel Research, 2021, 182, 106666.                             | 3.9 | 10        |
| 99  | More efficient design of CFS strap-braced frames under vertical and seismic loading. Journal of Constructional Steel Research, 2021, 185, 106886.                                                   | 3.9 | 10        |
| 100 | Structural performance of RC columns retrofitted with steel-reinforced grout jackets under combined axial and lateral loading. Engineering Structures, 2021, 245, 112946.                           | 5.3 | 10        |
| 101 | Optimal distribution of friction dampers to improve the seismic performance of steel moment resisting frames. Structures, 2022, 37, 624-644.                                                        | 3.6 | 10        |
| 102 | A new hybrid method for size and topology optimization of truss structures using modified ALGA and QPGA. Journal of Civil Engineering and Management, 2016, 23, 252-262.                            | 3.5 | 9         |
| 103 | Seismic risk assessment for developing countries: Pakistan as a case study. Earthquake Engineering and Engineering Vibration, 2018, 17, 787-804.                                                    | 2.3 | 9         |
| 104 | Reliability of water distribution networks subjected to seismic hazard: Application of an improved entropy function. Reliability Engineering and System Safety, 2020, 197, 106828.                  | 8.9 | 9         |
| 105 | Experimental study and calculation of laterally-prestressed confined concrete columns. Steel and Composite Structures, 2017, 23, 517-527.                                                           | 1.3 | 9         |
| 106 | Structural engineering from an inverse problems perspective. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, 20210526.                              | 2.1 | 9         |
| 107 | Capacity and design of cold-formed steel warping-restrained beam-column elements. Journal of Constructional Steel Research, 2022, 190, 107139.                                                      | 3.9 | 9         |
| 108 | Vibration control of bridges under simultaneous effects of earthquake and moving loads using steel pipe dampers. JVC/Journal of Vibration and Control, 2019, 25, 2580-2594.                         | 2.6 | 8         |

| #   | Article                                                                                                                                                                                                                      | IF  | Citations |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Trade-off Pareto optimum design of an innovative curved damper truss moment frame considering structural and non-structural objectives. Structures, 2020, 28, 1338-1353.                                                     | 3.6 | 8         |
| 110 | Seismic reliability assessment of steel moment-resisting frames using Bayes estimators. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2023, 176, 306-320.                                     | 0.8 | 8         |
| 111 | Development of more accurate cyclic hysteretic models to represent RBS connections. Engineering Structures, 2021, 245, 112899.                                                                                               | 5.3 | 8         |
| 112 | A Multi-hazard Risk Assessment of Buildings in Padang City. Procedia Engineering, 2015, 125, 1094-1100.                                                                                                                      | 1.2 | 7         |
| 113 | Axial behaviour of FRP-confined rubberised concrete: An experimental investigation. Construction and Building Materials, 2021, 267, 121023.                                                                                  | 7.2 | 7         |
| 114 | Buckling behaviour of cold-formed steel sigma and lipped channel beam–column members. Thin-Walled Structures, 2022, 173, 108963.                                                                                             | 5.3 | 7         |
| 115 | Seismic performance assessment of tunnel form concrete structures under earthquake sequences using endurance time analysis. Journal of Building Engineering, 2021, 40, 102327.                                               | 3.4 | 6         |
| 116 | Unified design equations for web crippling failure of cold-formed ferritic stainless steel unlipped channel-sections with web holes. Journal of Building Engineering, 2022, 45, 103685.                                      | 3.4 | 6         |
| 117 | An acceleration-based approach for crack localisation in beams subjected to moving oscillators. JVC/Journal of Vibration and Control, 2021, 27, 489-501.                                                                     | 2.6 | 5         |
| 118 | Shake Table Tests on Deficient RC Buildings Strengthened Using Post-Tensioned Metal Straps. Geotechnical, Geological and Earthquake Engineering, 2014, , 187-202.                                                            | 0.2 | 5         |
| 119 | Shape optimisation of cold roll formed sections considering effects of cold working. Thin-Walled Structures, 2022, 170, 108576.                                                                                              | 5.3 | 5         |
| 120 | Analysis of bilinear hysteretic structures with nonlinear fluid viscous dampers using modified stochastic linearization technique. Engineering Structures, 2022, 251, 113555.                                                | 5.3 | 5         |
| 121 | Special Truss Moment Frames Equipped with Steel Slit Dampers. International Journal of Steel Structures, 2022, 22, 206-224.                                                                                                  | 1.3 | 5         |
| 122 | A low computational cost seismic analyses framework for 3D tunnel-form building structures. Advances in Structural Engineering, 2022, 25, 2938-2952.                                                                         | 2.4 | 5         |
| 123 | Development of a novel cost-effective toggle-brace-curveddamper (TBCD) for mid-rise steel structures using multi-objective NSGA II optimization technique. Structural and Multidisciplinary Optimization, 2021, 63, 661-688. | 3.5 | 4         |
| 124 | Bond of Substandard Laps in Reinforced Concrete Beams Retrofitted with Post-Tensioned Metal Straps. ACI Structural Journal, 2016, 113, .                                                                                     | 0.2 | 4         |
| 125 | Response modification factors for dual moment-resisting frames with vertical links: Multilevel approach. Advances in Structural Engineering, 2021, 24, 3299-3314.                                                            | 2.4 | 4         |
| 126 | An innovative variable target time method for probabilistic-based seismic performance assessment of multi-storey buildings. Journal of Building Engineering, 2022, 52, 104378.                                               | 3.4 | 4         |

| #   | Article                                                                                                                                                                   | IF  | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Structural Design Optimization of All-Steel Buckling-Restrained Braces Using Intelligent Optimizers. International Journal of Steel Structures, 2021, 21, 2055.           | 1.3 | 3         |
| 128 | Analytical Study of the Seismic Performance of Steel-Braced Frames with Masonry Infill. Journal of Structural Engineering, 2016, 142, .                                   | 3.4 | 2         |
| 129 | Influence of Higher Modes on Strength and Ductility Demands of Soil–Structure Systems. Journal of Earthquake and Tsunami, 2016, 10, 1650006.                              | 1.3 | 2         |
| 130 | Optimized Design of Coldâ€Formed Steel Elements for Serviceability and Ultimate Limit States. Ce/Papers, 2021, 4, 481-486.                                                | 0.3 | 2         |
| 131 | Performance-based seismic design and assessment of multi-storey CFS strap-braced frames. Engineering Structures, 2022, 261, 114268.                                       | 5.3 | 2         |
| 132 | A new modified stochastic linearization technique to analyze structures with nonlinear fluid viscous dampers. JVC/Journal of Vibration and Control, 0, , 107754632110195. | 2.6 | 1         |
| 133 | Behaviour and Design of Coldâ€Formed Steel Bolted Portal Frame Connections. Ce/Papers, 2021, 4, 432-437.                                                                  | 0.3 | 1         |
| 134 | TENSILE BEHAVIOUR OF MULTI-PLY STEEL- REINFORCED GROUT (SRG) COMPOSITES. , 2019, , .                                                                                      |     | 1         |
| 135 | Estimation of hysteretic energy distribution for energy-based design of structures equipped with dampers. Journal of Building Engineering, 2022, 51, 104221.              | 3.4 | 1         |
| 136 | Estimation of inelastic displacement demands of flexible-based structures on soft soils. International Journal of Earthquake and Impact Engineering, 2016, 1, 81.         | 0.3 | 0         |
| 137 | Numerical Study of Cyclic Performance and Design of a Novel Fan Bracing System. Journal of Earthquake Engineering, $0$ , $1$ - $30$ .                                     | 2.5 | 0         |
| 138 | Countersunk bolted moment connections in cold-formed steel., 2016,, 1074-1079.                                                                                            |     | 0         |
| 139 | A Novel Methodology for Optimum Seismic Performance-based Design of Friction Energy Dissipation Devices. IABSE Symposium Report, 2017, , .                                | 0.0 | 0         |