

Iman Hajirasouliha

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8424922/iman-hajirasouliha-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

136
papers

2,315
citations

28
h-index

42
g-index

139
ext. papers

2,964
ext. citations

3.8
avg, IF

6.08
L-index

#	Paper	IF	Citations
136	Strength and deformability of waste tyre rubber-filled reinforced concrete columns. <i>Construction and Building Materials</i> , 2011 , 25, 218-226	6.7	142
135	A new ductile moment-resisting connection for precast concrete frames in seismic regions: An experimental investigation. <i>Engineering Structures</i> , 2014 , 70, 144-157	4.7	136
134	Seismic behaviour of deficient RC frames strengthened with CFRP composites. <i>Engineering Structures</i> , 2010 , 32, 3075-3085	4.7	84
133	Deflection behaviour of FRP reinforced concrete beams and slabs: An experimental investigation. <i>Composites Part B: Engineering</i> , 2012 , 43, 2125-2134	10	73
132	Composites with recycled rubber aggregates: Properties and opportunities in construction. <i>Construction and Building Materials</i> , 2018 , 188, 884-897	6.7	69
131	Development of more efficient cold-formed steel channel sections in bending. <i>Thin-Walled Structures</i> , 2016 , 101, 1-13	4.7	65
130	Hysteretic performance of a new blind bolted connection to concrete filled columns under cyclic loading: An experimental investigation. <i>Engineering Structures</i> , 2013 , 46, 535-546	4.7	65
129	An efficient performance-based seismic design method for reinforced concrete frames. <i>Earthquake Engineering and Structural Dynamics</i> , 2012 , 41, 663-679	4	57
128	Local-flexural interactive buckling of standard and optimised cold-formed steel columns. <i>Journal of Constructional Steel Research</i> , 2018 , 144, 106-118	3.8	52
127	Behaviour of unconfined and FRP-confined rubberised concrete in axial compression. <i>Construction and Building Materials</i> , 2017 , 147, 388-397	6.7	51
126	Experimental investigation of local-flexural interactive buckling of cold-formed steel channel columns. <i>Thin-Walled Structures</i> , 2018 , 125, 245-258	4.7	51
125	Optimum design of cold-formed steel beams using Particle Swarm Optimisation method. <i>Journal of Constructional Steel Research</i> , 2016 , 122, 80-93	3.8	51
124	Performance-based seismic design of flexible-base multi-storey buildings considering soil-structure interaction. <i>Engineering Structures</i> , 2016 , 108, 90-103	4.7	43
123	New Lateral Force Distribution for Seismic Design of Structures. <i>Journal of Structural Engineering</i> , 2009 , 135, 906-915	3	43
122	Optimum seismic design of concentrically braced steel frames: concepts and design procedures. <i>Journal of Constructional Steel Research</i> , 2005 , 61, 151-166	3.8	43
121	Analytical and experimental study on the seismic performance of cold-formed steel frames. <i>Journal of Constructional Steel Research</i> , 2018 , 143, 18-31	3.8	38
120	General Seismic Load Distribution for Optimum Performance-Based Design of Shear-Buildings. <i>Journal of Earthquake Engineering</i> , 2012 , 16, 443-462	1.8	36

119	Strength and deflection behaviour of cold-formed steel back-to-back channels. <i>Engineering Structures</i> , 2018 , 177, 641-654	4.7	36
118	Optimum strength distribution for seismic design of tall buildings. <i>Structural Design of Tall and Special Buildings</i> , 2008 , 17, 331-349	1.8	35
117	Toward more rational criteria for determination of design earthquake forces. <i>International Journal of Solids and Structures</i> , 2006 , 43, 2631-2645	3.1	35
116	Cross-sectional optimization of cold-formed steel channels to Eurocode 3. <i>Engineering Structures</i> , 2015 , 101, 641-651	4.7	33
115	Development of optimum cold-formed steel sections for maximum energy dissipation in uniaxial bending. <i>Engineering Structures</i> , 2018 , 161, 55-67	4.7	32
114	A simplified model for seismic response prediction of concentrically braced frames. <i>Advances in Engineering Software</i> , 2010 , 41, 497-505	3.6	32
113	Experimental investigation on the dynamic response of RC flat slabs after a sudden column loss. <i>Engineering Structures</i> , 2015 , 99, 28-41	4.7	31
112	Compressive behaviour of concrete columns confined with steel-reinforced grout jackets. <i>Composites Part B: Engineering</i> , 2018 , 138, 222-231	10	31
111	Full-Scale Shaking Table Tests on a Substandard RC Building Repaired and Strengthened with Post-Tensioned Metal Straps. <i>Journal of Earthquake Engineering</i> , 2014 , 18, 187-213	1.8	31
110	Performance-based optimisation of RC frames with friction wall dampers using a low-cost optimisation method. <i>Bulletin of Earthquake Engineering</i> , 2018 , 16, 5017-5040	3.7	29
109	Deep learning-based procedure for structural design of cold-formed steel channel sections with edge-stiffened and un-stiffened holes under axial compression. <i>Thin-Walled Structures</i> , 2021 , 166, 1080767	4.7	28
108	Topology optimization for the seismic design of truss-like structures. <i>Computers and Structures</i> , 2011 , 89, 702-711	4.5	27
107	An investigation on the accuracy of pushover analysis for estimating the seismic deformation of braced steel frames. <i>Journal of Constructional Steel Research</i> , 2006 , 62, 343-351	3.8	24
106	A Practical Method for Optimum Seismic Design of Friction Wall Dampers. <i>Earthquake Spectra</i> , 2017 , 33, 1033-1052	3.4	23
105	Experimental study of cold-formed steel built-up columns. <i>Thin-Walled Structures</i> , 2020 , 149, 106291	4.7	23
104	Direct displacement-based seismic design of flexible-base structures subjected to pulse-like ground motions. <i>Engineering Structures</i> , 2018 , 168, 276-289	4.7	21
103	Optimum lateral load distribution for seismic design of nonlinear shear-buildings considering soil-structure interaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 88, 356-368	3.5	21
102	Seismic performance of cold-formed steel bolted moment connections with bolting friction-slip mechanism. <i>Journal of Constructional Steel Research</i> , 2019 , 156, 122-136	3.8	21

101	Adaptive low computational cost optimisation method for performance-based seismic design of friction dampers. <i>Engineering Structures</i> , 2019 , 198, 109549	4.7	20
100	Development of optimum cold-formed steel beams for serviceability and ultimate limit states using Big Bang-Big Crunch optimisation. <i>Engineering Structures</i> , 2019 , 195, 172-181	4.7	20
99	An improved replacement oscillator approach for soil-structure interaction analysis considering soft soils. <i>Engineering Structures</i> , 2018 , 167, 26-38	4.7	19
98	A simplified Nonlinear Sway-Rocking model for evaluation of seismic response of structures on shallow foundations. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 81, 14-26	3.5	18
97	Optimum drilled flange moment resisting connections for seismic regions. <i>Journal of Constructional Steel Research</i> , 2015 , 112, 325-338	3.8	17
96	Efficient design of cold-formed steel bolted-moment connections for earthquake resistant frames. <i>Thin-Walled Structures</i> , 2020 , 150,	4.7	17
95	Practical method for optimal rehabilitation of steel frame buildings using buckling restrained brace dampers. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 123, 242-251	3.5	16
94	Seismic reliability analysis and estimation of multilevel response modification factor for steel diagrid structural systems. <i>Journal of Building Engineering</i> , 2020 , 29, 101168	5.2	16
93	Shape optimization of cold-formed steel beam-columns with practical and manufacturing constraints. <i>Journal of Constructional Steel Research</i> , 2019 , 155, 249-259	3.8	16
92	Steel-Reinforced Grout (SRG) strengthening of shear-critical RC beams. <i>Construction and Building Materials</i> , 2019 , 216, 68-83	6.7	15
91	Local Buckling in Cold-Formed Steel Moment-Resisting Bolted Connections: Behavior, Capacity, and Design. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020167	3	15
90	Effects of uncertainties on seismic behaviour of optimum designed braced steel frames. <i>Steel and Composite Structures</i> , 2016 , 20, 317-335		15
89	Design and Optimization of Cold-Formed Steel Sections in Bolted Moment Connections Considering Bimoment. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020153	3	15
88	Development of a monolithic-like precast beam-column moment connection: Experimental and analytical investigation. <i>Engineering Structures</i> , 2020 , 205, 110057	4.7	15
87	Optimum energy based seismic design of friction dampers in RC structures. <i>Structures</i> , 2020 , 27, 2550-2562	3.4	15
86	Experimental Investigation of Cross-Sectional Bending Capacity of Cold-Formed Steel Channels Subject to Local-Distortional Buckling Interaction. <i>Journal of Structural Engineering</i> , 2019 , 145, 04019064		14
85	Seismic performance evaluation of deficient steel moment-resisting frames retrofitted by vertical link elements. <i>Structures</i> , 2020 , 26, 724-736	3.4	14
84	Strengthening of short splices in RC beams using Post-Tensioned Metal Straps. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 133-147	3.4	14

83	Influence of masonry infill on the seismic performance of concentrically braced frames. <i>Journal of Constructional Steel Research</i> , 2013 , 88, 150-163	3.8	14
82	Simplified Method for Optimal Design of Friction Damper Slip Loads by Considering Near-Field and Far-Field Ground Motions. <i>Journal of Earthquake Engineering</i> , 2021 , 25, 1851-1875	1.8	14
81	Seismic retrofitting of RC buildings using CFRP and post-tensioned metal straps: shake table tests. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 3321-3347	3.7	13
80	A practical methodology for optimum seismic design of RC frames for minimum damage and life-cycle cost. <i>Engineering Structures</i> , 2020 , 202, 109896	4.7	13
79	Multi-Directional Base Isolation System for Coupled Horizontal and Vertical Seismic Excitations. <i>Journal of Earthquake Engineering</i> , 2020 , 1-26	1.8	12
78	Experimental study of the cross-sectional capacity of cold-formed steel built-up columns. <i>Thin-Walled Structures</i> , 2020 , 155, 106958	4.7	12
77	Behavior and Design of Cold-Formed Steel Bolted Connections Subjected to Combined Actions. <i>Journal of Structural Engineering</i> , 2021 , 147, 04021013	3	12
76	Nonlinear behaviour of reinforced concrete flat slabs after a column loss event. <i>Advances in Structural Engineering</i> , 2018 , 21, 2169-2183	1.9	11
75	Estimation of seismic response parameters and capacity of irregular tunnel-form buildings. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 5217-5239	3.7	11
74	Ultra-lightweight engineered cementitious composite using waste recycled hollow glass microspheres. <i>Journal of Cleaner Production</i> , 2020 , 249, 119331	10.3	10
73	A practical grid generation procedure for the design of free-form structures. <i>Computers and Structures</i> , 2018 , 196, 292-310	4.5	10
72	Experimental Study of Cold-Formed Steel Built-Up Beams. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020126	3	9
71	Structural Size Optimization of Single and Built-Up Cold-Formed Steel Beam-Column Members. <i>Journal of Structural Engineering</i> , 2021 , 147, 04021030	3	9
70	Seismic risk assessment for developing countries: Pakistan as a case study. <i>Earthquake Engineering and Engineering Vibration</i> , 2018 , 17, 787-804	2	9
69	Design-oriented models for concrete columns confined by steel-reinforced grout jackets. <i>Construction and Building Materials</i> , 2018 , 178, 313-326	6.7	9
68	Multilevel seismic demand prediction for acceleration-sensitive non-structural components. <i>Engineering Structures</i> , 2019 , 200, 109713	4.7	8
67	Life-cycle cost based design of bridge lead-rubber isolators in seismic regions. <i>Structures</i> , 2020 , 27, 383-395	3.4	8
66	A practical probabilistic earthquake hazard analysis tool: case study Marmara region. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 2523-2555	3.7	8

65	More efficient lateral load patterns for seismic design of steel moment-resisting frames. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2018 , 171, 487-502	0.9	8
64	Dynamic column loss analysis of reinforced concrete flat slabs. <i>Engineering Structures</i> , 2019 , 198, 109453-110000	4.7	8
63	Tensile stress-strain characteristics of rubberised concrete from flexural tests. <i>Construction and Building Materials</i> , 2020 , 236, 117591	6.7	8
62	Trade-off Pareto optimum design of an innovative curved damper truss moment frame considering structural and non-structural objectives. <i>Structures</i> , 2020 , 28, 1338-1353	3.4	8
61	Optimal design of cold roll formed steel channel sections under bending considering both geometry and cold work effects. <i>Thin-Walled Structures</i> , 2020 , 157, 107020	4.7	8
60	Multi-level performance-based design optimisation of steel frames with nonlinear viscous dampers. <i>Bulletin of Earthquake Engineering</i> , 2021 , 19, 5015-5049	3.7	8
59	Effect of stressed-skin action on optimal design of cold-formed steel square and rectangular-shaped portal frame buildings. <i>International Journal of Steel Structures</i> , 2016 , 16, 299-307	1.3	7
58	Reliability analysis and multi-level response modification factors for buckling restrained braced frames. <i>Journal of Constructional Steel Research</i> , 2020 , 171, 106137	3.8	7
57	Seismic performance assessment of eccentrically braced steel frames with energy-absorbing links under sequential earthquakes. <i>Journal of Building Engineering</i> , 2021 , 33, 101576	5.2	7
56	Constrained optimization of anti-symmetric cold-formed steel beam-column sections. <i>Engineering Structures</i> , 2021 , 228, 111452	4.7	7
55	Vibration control of bridges under simultaneous effects of earthquake and moving loads using steel pipe dampers. <i>JVC/Journal of Vibration and Control</i> , 2019 , 25, 2580-2594	2	6
54	Coupled element and structural level optimisation framework for cold-formed steel frames. <i>Journal of Constructional Steel Research</i> , 2020 , 168, 105867	3.8	6
53	Seismic reliability assessment of RC tunnel-form structures with geometric irregularities using a combined system approach. <i>Soil Dynamics and Earthquake Engineering</i> , 2020 , 139, 106356	3.5	6
52	Multi-level Response Modification Factor Estimation for Steel Moment-Resisting Frames Using Endurance-Time Method. <i>Journal of Earthquake Engineering</i> , 2020 , 1-21	1.8	6
51	Optimisation of cold-formed steel beams for best seismic performance in bolted moment connections. <i>Journal of Constructional Steel Research</i> , 2021 , 181, 106621	3.8	6
50	Seismic performance assessment of multi-story steel frames with curved dampers and semi-rigid connections. <i>Journal of Constructional Steel Research</i> , 2021 , 182, 106666	3.8	6
49	Performance evaluation of curved damper truss moment frames designed using equivalent energy design procedure. <i>Engineering Structures</i> , 2021 , 226, 111363	4.7	6
48	Seismic reliability analysis of steel moment-resisting frames retrofitted by vertical link elements using combined series-parallel system approach. <i>Bulletin of Earthquake Engineering</i> , 2021 , 19, 831-862	3.7	6

47	Accurate prediction of cyclic hysteresis behaviour of RBS connections using Deep Learning Neural Networks. <i>Engineering Structures</i> , 2021 , 247, 113156	4.7	6
46	Effects of soil-structure interaction and lateral design load pattern on performance-based plastic design of steel moment resisting frames. <i>Structural Design of Tall and Special Buildings</i> , 2019 , 28, e1624	1.8	5
45	A Multi-hazard Risk Assessment of Buildings in Padang City. <i>Procedia Engineering</i> , 2015 , 125, 1094-1100		5
44	Deterioration and damage identification in building structures using a novel feature selection method. <i>Structures</i> , 2021 , 29, 458-470	3.4	5
43	More efficient design of reduced beam sections (RBS) for maximum seismic performance. <i>Journal of Constructional Steel Research</i> , 2021 , 183, 106728	3.8	5
42	Performance-based assessment of CFS strap-braced stud walls under seismic loading. <i>Journal of Constructional Steel Research</i> , 2021 , 183, 106731	3.8	5
41	Bond behaviour of multi-ply steel reinforced grout composites. <i>Construction and Building Materials</i> , 2021 , 305, 124750	6.7	5
40	Experimental and numerical investigations of cold-formed austenitic stainless steel unlipped channels under bearing loads. <i>Thin-Walled Structures</i> , 2020 , 152, 106768	4.7	4
39	A new hybrid method for size and topology optimization of truss structures using modified ALGA and QPGA. <i>Journal of Civil Engineering and Management</i> , 2016 , 23, 252-262	3	4
38	Development of a novel cost-effective toggle-brace-curved damper (TBCD) for mid-rise steel structures using multi-objective NSGA II optimization technique. <i>Structural and Multidisciplinary Optimization</i> , 2021 , 63, 661-688	3.6	4
37	Seismic performance assessment of tunnel form concrete structures under earthquake sequences using endurance time analysis. <i>Journal of Building Engineering</i> , 2021 , 40, 102327	5.2	4
36	Performance-based seismic design of moment resisting steel frames: Adaptive optimisation framework and optimum design load pattern. <i>Structures</i> , 2021 , 33, 1690-1704	3.4	4
35	Experimental and numerical investigation of a proposed monolithic-like precast concrete column-foundation connection. <i>Engineering Structures</i> , 2021 , 246, 113090	4.7	4
34	Reliability of water distribution networks subjected to seismic hazard: Application of an improved entropy function. <i>Reliability Engineering and System Safety</i> , 2020 , 197, 106828	6.3	3
33	Cold-formed steel beam-to-column bolted connections for seismic applications. <i>Thin-Walled Structures</i> , 2022 , 172, 108876	4.7	3
32	Experimental study and calculation of laterally-prestressed confined concrete columns. <i>Steel and Composite Structures</i> , 2017 , 23, 517-527		3
31	Shake Table Tests on Deficient RC Buildings Strengthened Using Post-Tensioned Metal Straps. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2014 , 187-202	0.2	3
30	An acceleration-based approach for crack localisation in beams subjected to moving oscillators. <i>JVC/Journal of Vibration and Control</i> , 2021 , 27, 489-501	2	3

29	More efficient design of CFS strap-braced frames under vertical and seismic loading. <i>Journal of Constructional Steel Research</i> , 2021 , 185, 106886	3.8	3
28	Structural performance of reinforced concrete columns subjected to high-temperature and axial loading under different heating-cooling scenarios. <i>Journal of Building Engineering</i> , 2021 , 42, 102477	5.2	3
27	Influence of Higher Modes on Strength and Ductility Demands of Soil-Structure Systems. <i>Journal of Earthquake and Tsunami</i> , 2016 , 10, 1650006	1.1	2
26	Optimized Design of Cold-Formed Steel Elements for Serviceability and Ultimate Limit States. <i>Ce/Papers</i> , 2021 , 4, 481-486	0.3	2
25	Development of more accurate cyclic hysteretic models to represent RBS connections. <i>Engineering Structures</i> , 2021 , 245, 112899	4.7	2
24	Innovative self-centering systems using shape memory alloy bolts and energy dissipating devices. <i>Journal of Constructional Steel Research</i> , 2022 , 190, 107127	3.8	1
23	Bond of Substandard Laps in Reinforced Concrete Beams Retrofitted with Post-Tensioned Metal Straps. <i>ACI Structural Journal</i> , 2016 , 113,	1.7	1
22	Unified design equations for web crippling failure of cold-formed ferritic stainless steel unlipped channel-sections with web holes. <i>Journal of Building Engineering</i> , 2022 , 45, 103685	5.2	1
21	Shape optimisation of cold roll formed sections considering effects of cold working. <i>Thin-Walled Structures</i> , 2022 , 170, 108576	4.7	1
20	Seismic reliability assessment of steel moment-resisting frames using Bayes estimators. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 1-15	0.9	1
19	Analytical Study of the Seismic Performance of Steel-Braced Frames with Masonry Infill. <i>Journal of Structural Engineering</i> , 2016 , 142, 04016083	3	1
18	Axial behaviour of FRP-confined rubberised concrete: An experimental investigation. <i>Construction and Building Materials</i> , 2021 , 267, 121023	6.7	1
17	Special Truss Moment Frames Equipped with Steel Slit Dampers. <i>International Journal of Steel Structures</i> , 2022 , 22, 206-224	1.3	1
16	Structural engineering from an inverse problems perspective.. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2022 , 478, 20210526	2.4	0
15	Capacity and design of cold-formed steel warping-restrained beam-column elements. <i>Journal of Constructional Steel Research</i> , 2022 , 190, 107139	3.8	0
14	Optimal distribution of friction dampers to improve the seismic performance of steel moment resisting frames. <i>Structures</i> , 2022 , 37, 624-644	3.4	0
13	Buckling behaviour of cold-formed steel sigma and lipped channel beam-column members. <i>Thin-Walled Structures</i> , 2022 , 173, 108963	4.7	0
12	Response modification factors for dual moment-resisting frames with vertical links: Multilevel approach. <i>Advances in Structural Engineering</i> , 2021 , 24, 3299-3314	1.9	0

11	Analysis of bilinear hysteretic structures with nonlinear fluid viscous dampers using modified stochastic linearization technique. <i>Engineering Structures</i> , 2022 , 251, 113555	4.7	○
10	Structural Design Optimization of All-Steel Buckling-Restrained Braces Using Intelligent Optimizers. <i>International Journal of Steel Structures</i> , 2021 , 21, 2055	1.3	○
9	A new modified stochastic linearization technique to analyze structures with nonlinear fluid viscous dampers. <i>JVC/Journal of Vibration and Control</i> , 107754632110195	2	○
8	Structural performance of RC columns retrofitted with steel-reinforced grout jackets under combined axial and lateral loading. <i>Engineering Structures</i> , 2021 , 245, 112946	4.7	○
7	An innovative variable target time method for probabilistic-based seismic performance assessment of multi-storey buildings. <i>Journal of Building Engineering</i> , 2022 , 52, 104378	5.2	○
6	Estimation of inelastic displacement demands of flexible-based structures on soft soils. <i>International Journal of Earthquake and Impact Engineering</i> , 2016 , 1, 81	0.5	
5	Countersunk bolted moment connections in cold-formed steel 2016 , 1074-1079		
4	Numerical Study of Cyclic Performance and Design of a Novel Fan Bracing System. <i>Journal of Earthquake Engineering</i> , 1-30	1.8	
3	Behaviour and Design of Cold-Formed Steel Bolted Portal Frame Connections. <i>Ce/Papers</i> , 2021 , 4, 432-437		
2	Estimation of hysteretic energy distribution for energy-based design of structures equipped with dampers. <i>Journal of Building Engineering</i> , 2022 , 51, 104221	5.2	
1	Performance-based seismic design and assessment of multi-storey CFS strap-braced frames. <i>Engineering Structures</i> , 2022 , 261, 114268	4.7	