

Mohamad Mehdi Alinia

List of Publications by Year in descending order

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36
papers

919
citations

471509

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h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	A study into optimization of stiffeners in plates subjected to shear loading. Thin-Walled Structures, 2005, 43, 845-860.	5.3	78
2	Behaviour of thin steel plate shear walls regarding frame members. Journal of Constructional Steel Research, 2006, 62, 730-738.	3.9	74
3	Cyclic behaviour, deformability and rigidity of stiffened steel shear panels. Journal of Constructional Steel Research, 2007, 63, 554-563.	3.9	70
4	Influence of central cracks on buckling and post-buckling behaviour of shear panels. Thin-Walled Structures, 2007, 45, 422-431.	5.3	64
5	Shear failure characteristics of steel plate girders. Thin-Walled Structures, 2009, 47, 1498-1506.	5.3	64
6	Characteristics of the wall-frame interaction in steel plate shear walls. Journal of Constructional Steel Research, 2010, 66, 150-158.	3.9	60
7	On the design of stiffeners in steel plate shear walls. Journal of Constructional Steel Research, 2009, 65, 2069-2077.	3.9	59
8	Numerical modelling for buckling analysis of cracked shear panels. Thin-Walled Structures, 2007, 45, 1058-1067.	5.3	56
9	Nonlinearity in the postbuckling behaviour of thin steel shear panels. Thin-Walled Structures, 2009, 47, 412-420.	5.3	51
10	Plastic shear buckling of unstiffened stocky plates. Journal of Constructional Steel Research, 2009, 65, 1631-1643.	3.9	36
11	A parametric study on the longitudinal stiffeners of web panels. Thin-Walled Structures, 2008, 46, 1213-1223.	5.3	35
12	Buckling and post-buckling strength of shear panels degraded by near border cracks. Journal of Constructional Steel Research, 2008, 64, 1483-1494.	3.9	33
13	Slenderness classification of unstiffened metal plates under shear loading. Thin-Walled Structures, 2010, 48, 508-518.	5.3	28
14	Postbuckling and ultimate state of stresses in steel plate girders. Thin-Walled Structures, 2011, 49, 455-464.	5.3	27
15	Stability of longitudinally stiffened web plates under interactive shear and bending forces. Thin-Walled Structures, 2009, 47, 53-60.	5.3	26
16	Buckling and postbuckling behavior of unstiffened slender curved plates under uniform shear. Thin-Walled Structures, 2011, 49, 1017-1031.	5.3	21
17	Effect of flexibility of substructures upon thermal behaviour of spherical double layer space truss domes. Part I: Uniform thermal loading. Journal of Constructional Steel Research, 2006, 62, 359-368.	3.9	17
18	Behavior of multi-story code-designed steel plate shear wall structures regarding bay width. Journal of Constructional Steel Research, 2016, 122, 40-56.	3.9	13

#	ARTICLE	IF	CITATIONS
19	Validated finite element techniques for quasi-static cyclic response analyses of braced frames at sub-member scales. <i>Engineering Structures</i> , 2016, 106, 222-242.	5.3	13
20	Performance evaluation and strengthening of concrete structures with composite bracing members. <i>Construction and Building Materials</i> , 2008, 22, 2100-2110.	7.2	12
21	Imperfection sensitivity of slender/stocky metal plates. <i>Thin-Walled Structures</i> , 2013, 73, 207-215.	5.3	12
22	Master S-N curve approach to fatigue prediction of breathing web panels. <i>Journal of Constructional Steel Research</i> , 2017, 128, 789-799.	3.9	11
23	Effect of tension bracing on the collapse mechanism of steel moment frames. <i>Journal of Constructional Steel Research</i> , 2009, 65, 2027-2039.	3.9	10
24	Shear buckling and ultimate capacity of steel plates coupled with cover panels. <i>Journal of Constructional Steel Research</i> , 2013, 80, 181-187.	3.9	10
25	Considerations on the Pushover Analysis of Multi-Story Steel Plate Shear Wall Structures. <i>Periodica Polytechnica: Civil Engineering</i> , 2016, 60, 113-126.	0.6	8
26	Inelastic buckling behavior of stocky plates under interactive shear and in-plane bending. <i>Thin-Walled Structures</i> , 2012, 55, 76-84.	5.3	7
27	The Use of Outrigger System in Steel Plate Shear Wall Structures. <i>Advances in Structural Engineering</i> , 2015, 18, 853-872.	2.4	5
28	Criteria for balanced design of diagonally braced moment resisting frames based on hierarchical yielding and failure sequences and their application. <i>Engineering Structures</i> , 2015, 87, 198-219.	5.3	5
29	On the postbuckling of flawed shear panels considering crack growth effect. <i>Thin-Walled Structures</i> , 2015, 97, 186-198.	5.3	5
30	The flexural behavior of horizontally curved steel I-girder bridge systems and single-girders. <i>Journal of Constructional Steel Research</i> , 2016, 118, 145-155.	3.9	4
31	Nonlinear Performance Evaluation of Diagonally and X-Braced Moment Resisting Frame Systems: Buckling and Post-Buckling Responses. <i>Procedia Engineering</i> , 2016, 145, 1193-1200.	1.2	3
32	Inelastic Buckling Simulation of Steel Braces through Explicit Dynamic Analyses. , 2011, , .		1
33	A Comparative Study of the Shell Element and Strip Model Methods for Analysis of Steel Plate Shear Wall Structures. <i>Periodica Polytechnica: Civil Engineering</i> , 2016, 60, 531-546.	0.6	1
34	Brace-Frame Interaction in Tension Braced MRFs. , 2008, , .		0
35	Application of system reliability-based assessment for collapse fragility of braced moment-resisting frames. <i>Structural Design of Tall and Special Buildings</i> , 2015, 24, 757-778.	1.9	0
36	15.12: On imperfection-sensitivity evaluation of BMRF systems: Buckling and post-buckling responses. <i>Ce/Papers</i> , 2017, 1, 3980-3989.	0.3	0