

Aurel Stratan

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

499
citations

840585

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677027

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g-index

44
all docs

44
docs citations

44
times ranked

270
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual high-strength steel eccentrically braced frames with removable links. Earthquake Engineering and Structural Dynamics, 2008, 37, 1703-1720.	2.5	126
2	Experimental validation of re-centring capability of eccentrically braced frames with removable links. Engineering Structures, 2016, 113, 335-346.	2.6	56
3	Pre- and post-test mathematical modelling of a plan-asymmetric reinforced concrete frame building. Earthquake Engineering and Structural Dynamics, 2006, 35, 1359-1379.	2.5	42
4	Cyclic Tests of Double-Sided Beam-to-Column Joints. Journal of Structural Engineering, 2001, 127, 129-136.	1.7	32
5	A risk-consistent approach to determine EN1998 behaviour factors for lateral load resisting systems. Soil Dynamics and Earthquake Engineering, 2020, 131, 106008.	1.9	30
6	Behaviour of welded connections of moment resisting frames beam-to-column joints. Engineering Structures, 2002, 24, 1431-1440.	2.6	26
7	Design implementation of re-centring dual eccentrically braced frames with removable links. Soil Dynamics and Earthquake Engineering, 2018, 112, 174-184.	1.9	21
8	High strength steel in seismic resistant building frames. Steel Construction, 2014, 7, 173-177.	0.4	20
9	Beam-to-CFT High-Strength Joints with External Diaphragm. I: Design and Experimental Validation. Journal of Structural Engineering, 2017, 143, .	1.7	20
10	Re-centring capacity of dual-steel frames. Steel Construction, 2011, 4, 73-84.	0.4	15
11	Beam-to-CFT High-Strength Joints with External Diaphragm. II: Numerical Simulation of Joint Behavior. Journal of Structural Engineering, 2017, 143, .	1.7	12
12	Cyclic tests on bolted steel and composite double-sided beam-to-column joints. Steel and Composite Structures, 2002, 2, 147-160.	1.3	11
13	Implications of Structural Model on the Design of Steel Moment Resisting Frames. Open Construction and Building Technology Journal, 2018, 12, 124-131.	0.3	10
14	Cyclic Performances of Shear Connectors. , 2011, , .		7
15	Numerical simulation of bolted links removal in eccentrically braced frames. Pollack Periodica, 2013, 8, 15-26.	0.2	7
16	Tower Centre International building in Bucharest Part II: Performance-based seismic evaluation and robustness. Steel Construction, 2010, 3, 14-18.	0.4	5
17	Numerical simulation of the cyclic loading for welded beam-to-CFT column joints of dual-steel frames. Pollack Periodica, 2012, 7, 35-46.	0.2	5
18	Finite Element Analysis of Composite Replaceable Short Links. Key Engineering Materials, 0, 763, 576-583.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Cyclic Tests on Bolted Steel Double-Sided Beam-To-Column Joints. , 2000, , 129-138.		5
20	FINITE ELEMENT MODELLING OF DETACHABLE SHORT LINKS. , 2017, , .		5
21	Beam-to-column joints for seismic resistant dual-steel structures. Pollack Periodica, 2011, 6, 49-60.	0.2	4
22	I.11.47: A risk-consistent approach to determine behavior factors for innovative steel lateral load resisting systems. Ce/Papers, 2017, 1, 3434-3443.	0.1	4
23	High-strength steel and dissipative fuse solutions for seismic-resistant building structures. Steel Construction, 2020, 13, 154-164.	0.4	4
24	Resilience of dual steel dual frame buildings in seismic areas. Steel Construction, 2021, 14, 150-166.	0.4	4
25	Tower Centre International building in Bucharest "Part I: Structural design. Steel Construction, 2009, 2, 256-263.	0.4	3
26	Behavior of concentrically braced frames with friction dampers. Pollack Periodica, 2011, 6, 59-71.	0.2	3
27	01.29: Experimental prequalification of bolted extended end plate beam to column connections with haunches. Ce/Papers, 2017, 1, 414-423.	0.1	3
28	11.42: Cyclic behaviour of European carbon steels. Ce/Papers, 2017, 1, 3173-3180.	0.1	2
29	Numerical testing of steel beam-to-column bolted extended end-plate connection with haunches. ITM Web of Conferences, 2019, 29, 02008.	0.4	2
30	Validation through numerical simulations of the design procedure for bolted beam-to-column connections with haunches. Pollack Periodica, 2015, 10, 95-107.	0.2	2
31	I.11.07: Pre-test numerical simulations for development of prequalified buckling restrained braces. Ce/Papers, 2017, 1, 3404-3413.	0.1	1
32	I.11.20: Design recommendations for dual moment eccentric braced frames with replaceable links. Ce/Papers, 2017, 1, 3414-3423.	0.1	1
33	Development of Two Types of Buckling Restrained Braces Using Finite Element Modelling. Springer Natural Hazards, 2018, , 373-387.	0.1	1
34	Seismic Performance of EB Frames of Composite CFHS High Strength Steel Columns. , 2012, , .		1
35	DESIGN CRITERIA AND MODELLING OF RE-CENTRING DUAL ECCENTRICALLY BRACED FRAMES. , 2017, , .		1
36	Pre-test Numerical Modelling of Stainless Steel and Hybrid Links. Lecture Notes in Civil Engineering, 2022, , 125-132.	0.3	1

#	ARTICLE	IF	CITATIONS
37	I.11.05: Parametric finite element analyses of detachable short links. Ce/Papers, 2017, 1, 3395-3403.	0.1	0
38	Closure to "Beam-to-CFT High-Strength Joints with External Diaphragm. II: Numerical Simulation of Joint Behavior" by Cristian Vulcu, Aurel Stratan, Adrian Ciutina, and Dan Dubina. Journal of Structural Engineering, 2018, 144, 07018005.	1.7	0
39	Performance based design of steel frames. , 2005, , 291-299.		0
40	Global Performance of Steel Moment Resisting Frames with Semi-Rigid Joints. , 1999, , 367-375.		0