Laszlo Dunai

List of Publications by Year
in descending order

57	521	567144 15	713332 21
papers	citations	h-index	g-index

59	59	59	308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seismic resilience assessment of critical infrastructures â€“ Case study of M1 highway bridges. Scientia Et Securitas, 2022, 2, 440-451.	0.1	0
2	Rehabilitation of historical bridges over the Danube in Budapest. International Journal of Architectural Heritage, 2019, 13, 2-14.	1.7	0
3	Numerical investigations on bending and shear buckling interaction of I-Girders with slender WEB. Thin-Walled Structures, 2019, 143, 106199.	2.7	2
4	Experimental full-scale tests on steel portal frames for development of diaphragm action â€“ Part I experimental results. Thin-Walled Structures, 2018, 132, 729-739.	2.7	8
5	16.07: Flange buckling resistance of trapezoidal web girders: Experimental and numerical study. Ce/Papers, 2017, 1, 4088-4097.	0.1	1
6	03.13: Experimental study on cyclic plastic behaviour of steel joint components. Ce/Papers, 2017, 1, 599-608.	0.1	0
7	07.18: Cold-formed C-sections encased in ultra-lightweight concrete: Development of a Eurocode-based design method. Ce/Papers, 2017, 1, 1647-1656.	0.1	1
8	16.03: Structural analysis of the historical SzÃ©chenyi: chain bridge in Budapest. Ce/Papers, 2017, 1, 4049-4058.	0.1	0
9	The remaining load-bearing capacity of corroded steel angle compression members. Journal of Constructional Steel Research, 2016, 120, 188-198.	1.7	16
10	Loading Test of the RÃ¡kÃ³czi Danube Bridge in Budapest. Procedia Engineering, 2016, 156, 191-198.	1.2	3
11	Bending, Shear and Patch Loading Interaction Behaviour of Slender Steel Sections. Procedia Engineering, 2016, 156, 199-206.	1.2	2
12	Experimental investigations on ultra-lightweight-concrete encased cold-formed steel structures. Thin-Walled Structures, 2016, 101, 100-108.	2.7	23
13	Experimental study on ultra-lightweight-concrete encased cold-formed steel structures Part I: Stability behaviour of elements subjected to bending. Thin-Walled Structures, 2016, 101, 75-84.	2.7	21
14	Assessment of Fatigue Behaviour of Orthotropic Steel Bridge Decks using Monitoring System. Procedia Engineering, 2015, 133, 770-777.	1.2	9
15	Girders with trapezoidally corrugated webs subjected by combination of bending, shear and path loading. Thin-Walled Structures, 2015, 96, 227-239.	2.7	17
16	Numerical analysis of concrete filled Buckling Restrained Braces. Journal of Constructional Steel Research, 2015, 115, 92-105.	1.7	23
17	Experimental study on standard and innovative bolted end-plate beam-to-beam joints under bending. Steel and Composite Structures, 2015, 18, 1423-1450.	1.3	5
18	Interaction behaviour of steel I-girders; part II: Longitudinally stiffened girders. Journal of Constructional Steel Research, 2014, 103, 344-353.	1.7	20

#	Article	IF	Citations
19	Interaction behaviour of steel I-girders Part I: Longitudinally unstiffened girders. Journal of Constructional Steel Research, 2014, 103, 327-343.	1.7	24
20	Fatigue life of girders with trapezoidally corrugated webs: An experimental study. International Journal of Fatigue, 2014, 64, 22-32.	2.8	25
21	Experimental Studies on Deep Trapezoidal Sheeting with Perforated Webs. Journal of Structural Engineering, 2013, 139, 729-739.	1.7	2
22	Cyclic hardening criteria in EN 15129 for steel dissipative braces. Journal of Constructional Steel Research, 2013, 83, 1-9.	1.7	9
23	Parameter-refreshed Chaboche model for mild steel cyclic plasticity behaviour. Periodica Polytechnica: Civil Engineering, 2013, 57, 139.	0.6	17
24	Behaviour of corroded steel angle compression members â€“ numerical study. Periodica Polytechnica: Civil Engineering, 2013, 57, 63.	0.6	3
25	Experiments of Corroded Angle-Section Compressive Members with Bolted Connections. , 2013, , 217-222.		0
26	Cyclic Buckling Analysis of Steel Plate Elements. , 2013, , 187-192.		0
27	Interacting stability behaviour of steel I-girders with corrugated webs. Thin-Walled Structures, 2012, 61, 132-144.	2.7	15
28	Stress distribution in the flanges of girders with corrugated webs. Journal of Constructional Steel Research, 2012, 79, 204-215.	1.7	53
29	Effect of corrosion on the buckling of steel angle members â€“ experimental study. Periodica Polytechnica: Civil Engineering, 2012, 56, 175.	0.6	7
30	Finite element analysis of laminated structural glass plates with polyvinyl butyral (PVB) interlayer. Periodica Polytechnica: Civil Engineering, 2012, 56, 35.	0.6	7
31	Design of girders with trapezoidal corrugated webs under the interaction of patch loading, shear and bending. Steel Construction, 2012, 5, 16-22.	0.4	3
32	Purlin-Cladding interaction in standing seam roofs. Periodica Polytechnica: Civil Engineering, 2012, 56, 13.	0.6	2
33	Modelling aspects of interface interlock in composite floors. Periodica Polytechnica: Civil Engineering, 2011, 55, 147.	0.6	1
34	Determination of the patch loading resistance of girders with corrugated webs using nonlinear finite element analysis. Computers and Structures, 2011, 89, 2010-2019.	2.4	12
35	A mixed time integration scheme for virtual fabrication of steel plate girders. Computers and Structures, 2011, 89, 1859-1873.	2.4	1
36	Eurosteel 2011. Steel Construction, 2011, 4, 131-131.	0.4	0

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37	STABILITY BEHAVIOR AND DESIGN OF NONCONVENTIONAL COLD-FORMED STEEL STRUCTURES â€" RESEARCH REVIEW. International Journal of Structural Stability and Dynamics, 2011, 11, 903-927.	1.5	5
38	Experimental and numerical studies on concrete encased embossments of steel strips under shear action for composite slabs with profiled steel decking. Steel and Composite Structures, 2011, 11, 39-58.	1.3	6
39	Patch loading resistance of girders with corrugated webs. Journal of Constructional Steel Research, 2010, 66, 1445-1454.	1.7	31
40	Combined shear and patch loading of girders with corrugated webs. Periodica Polytechnica: Civil Engineering, 2010, 54, 79.	0.6	11
41	Laboratory and virtual experiments on C-section compression members with semi-rigid connections. Periodica Polytechnica: Civil Engineering, 2010, 54, 31.	0.6	3
42	Potential of terrestrial laserscanning in load test measurements of bridges. Periodica Polytechnica: Civil Engineering, 2009, 53, 25.	0.6	17
43	Light-gauge composite floor beam with self-drilling screw shear connector: experimental study. Steel and Composite Structures, 2009, 9, 255-274.	1.3	5
44	Resistance of C-profile cold-formed compression members: Test and standard. Journal of Constructional Steel Research, 2008, 64, 802-807.	1.7	1
45	Experimental and analytical studies on the cyclic behavior of end-plate joints of composite structural elements. Journal of Constructional Steel Research, 2008, 64, 202-213.	1.7	3
46	Structures in Hungary: An Introduction. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2006, 16, 6-6.	0.5	0
47	Dunaujvaros Danube Bridge: Construction, Design and Research. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2006, 16, 31-35.	0.5	2
48	Behaviour of bolted composite joints: experimental study. Journal of Constructional Steel Research, 2004, 60, 725-738.	1.7	7
49	Finite element simulation of the cyclic behaviour of end-plate joints. Computers and Structures, 2004, 82, 2131-2143.	2.4	8
50	Finite element modelling and analysis of bolted joints of 3D tubular structures. Computers and Structures, 2004, 82, 2173-2187.	2.4	6
51	Fracture mechanics based fatigue analysis of steel bridge decks by two-level cracked models. Computers and Structures, 2002, 80, 2321-2331.	2.4	28
52	Experimental study on the cyclic behaviour of bolted end-plate joints. Steel and Composite Structures, 2001, 1, 33-50.	1.3	16
53	Design aspects of cold-formed portal frames. , 2001, , 203-208.		0
54	Stress history generation for truss bridges using multi-level models. Computers and Structures, 2000, 78, 329-339.	2.4	15

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55	Behaviour of steel-to-concrete connections under combined axial force and cyclic bending. Journal of Constructional Steel Research, 1996, 36, 121-147.	1.7	17
56	Moment-rotation model of steel-to-concrete end-plate connections. , 1996, , 269-277.		0
57	Behaviour of bolted end-plate portal frame joints. Journal of Constructional Steel Research, 1995, 32, 207-225.	1.7	8