

# Laszlo Dunai

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

521  
citations

567144

15  
h-index

713332

21  
g-index

59  
all docs

59  
docs citations

59  
times ranked

308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress distribution in the flanges of girders with corrugated webs. <i>Journal of Constructional Steel Research</i> , 2012, 79, 204-215.	1.7	53
2	Patch loading resistance of girders with corrugated webs. <i>Journal of Constructional Steel Research</i> , 2010, 66, 1445-1454.	1.7	31
3	Fracture mechanics based fatigue analysis of steel bridge decks by two-level cracked models. <i>Computers and Structures</i> , 2002, 80, 2321-2331.	2.4	28
4	Fatigue life of girders with trapezoidally corrugated webs: An experimental study. <i>International Journal of Fatigue</i> , 2014, 64, 22-32.	2.8	25
5	Interaction behaviour of steel I-girders Part I: Longitudinally unstiffened girders. <i>Journal of Constructional Steel Research</i> , 2014, 103, 327-343.	1.7	24
6	Numerical analysis of concrete filled Buckling Restrained Braces. <i>Journal of Constructional Steel Research</i> , 2015, 115, 92-105.	1.7	23
7	Experimental investigations on ultra-lightweight-concrete encased cold-formed steel structures. <i>Thin-Walled Structures</i> , 2016, 101, 100-108.	2.7	23
8	Experimental study on ultra-lightweight-concrete encased cold-formed steel structures Part I: Stability behaviour of elements subjected to bending. <i>Thin-Walled Structures</i> , 2016, 101, 75-84.	2.7	21
9	Interaction behaviour of steel I-girders; part II: Longitudinally stiffened girders. <i>Journal of Constructional Steel Research</i> , 2014, 103, 344-353.	1.7	20
10	Behaviour of steel-to-concrete connections under combined axial force and cyclic bending. <i>Journal of Constructional Steel Research</i> , 1996, 36, 121-147.	1.7	17
11	Potential of terrestrial laserscanning in load test measurements of bridges. <i>Periodica Polytechnica: Civil Engineering</i> , 2009, 53, 25.	0.6	17
12	Parameter-refreshed Chaboche model for mild steel cyclic plasticity behaviour. <i>Periodica Polytechnica: Civil Engineering</i> , 2013, 57, 139.	0.6	17
13	Girders with trapezoidally corrugated webs subjected by combination of bending, shear and path loading. <i>Thin-Walled Structures</i> , 2015, 96, 227-239.	2.7	17
14	The remaining load-bearing capacity of corroded steel angle compression members. <i>Journal of Constructional Steel Research</i> , 2016, 120, 188-198.	1.7	16
15	Experimental study on the cyclic behaviour of bolted end-plate joints. <i>Steel and Composite Structures</i> , 2001, 1, 33-50.	1.3	16
16	Stress history generation for truss bridges using multi-level models. <i>Computers and Structures</i> , 2000, 78, 329-339.	2.4	15
17	Interacting stability behaviour of steel I-girders with corrugated webs. <i>Thin-Walled Structures</i> , 2012, 61, 132-144.	2.7	15
18	Determination of the patch loading resistance of girders with corrugated webs using nonlinear finite element analysis. <i>Computers and Structures</i> , 2011, 89, 2010-2019.	2.4	12

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19	Combined shear and patch loading of girders with corrugated webs. Periodica Polytechnica: Civil Engineering, 2010, 54, 79.	0.6	11
20	Cyclic hardening criteria in EN 15129 for steel dissipative braces. Journal of Constructional Steel Research, 2013, 83, 1-9.	1.7	9
21	Assessment of Fatigue Behaviour of Orthotropic Steel Bridge Decks using Monitoring System. Procedia Engineering, 2015, 133, 770-777.	1.2	9
22	Behaviour of bolted end-plate portal frame joints. Journal of Constructional Steel Research, 1995, 32, 207-225.	1.7	8
23	Finite element simulation of the cyclic behaviour of end-plate joints. Computers and Structures, 2004, 82, 2131-2143.	2.4	8
24	Experimental full-scale tests on steel portal frames for development of diaphragm action " Part I experimental results. Thin-Walled Structures, 2018, 132, 729-739.	2.7	8
25	Behaviour of bolted composite joints: experimental study. Journal of Constructional Steel Research, 2004, 60, 725-738.	1.7	7
26	Effect of corrosion on the buckling of steel angle members " experimental study. Periodica Polytechnica: Civil Engineering, 2012, 56, 175.	0.6	7
27	Finite element analysis of laminated structural glass plates with polyvinyl butyral (PVB) interlayer. Periodica Polytechnica: Civil Engineering, 2012, 56, 35.	0.6	7
28	Finite element modelling and analysis of bolted joints of 3D tubular structures. Computers and Structures, 2004, 82, 2173-2187.	2.4	6
29	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
30	STABILITY BEHAVIOR AND DESIGN OF NONCONVENTIONAL COLD-FORMED STEEL STRUCTURES " RESEARCH REVIEW. International Journal of Structural Stability and Dynamics, 2011, 11, 903-927.	1.5	5
31	Light-gauge composite floor beam with self-drilling screw shear connector: experimental study. Steel and Composite Structures, 2009, 9, 255-274.	1.3	5
32	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
33	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
34	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
35	Behaviour of corroded steel angle compression members " numerical study. Periodica Polytechnica: Civil Engineering, 2013, 57, 63.	0.6	3
36	Loading Test of the Rkczi Danube Bridge in Budapest. Procedia Engineering, 2016, 156, 191-198.	1.2	3

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37	Laboratory and virtual experiments on C-section compression members with semi-rigid connections. <i>Periodica Polytechnica: Civil Engineering</i> , 2010, 54, 31.	0.6	3
38	Dunaujvaros Danube Bridge: Construction, Design and Research. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2006, 16, 31-35.	0.5	2
39	Experimental Studies on Deep Trapezoidal Sheeting with Perforated Webs. <i>Journal of Structural Engineering</i> , 2013, 139, 729-739.	1.7	2
40	Bending, Shear and Patch Loading Interaction Behaviour of Slender Steel Sections. <i>Procedia Engineering</i> , 2016, 156, 199-206.	1.2	2
41	Numerical investigations on bending and shear buckling interaction of I-Girders with slender WEB. <i>Thin-Walled Structures</i> , 2019, 143, 106199.	2.7	2
42	Purlin-Cladding interaction in standing seam roofs. <i>Periodica Polytechnica: Civil Engineering</i> , 2012, 56, 13.	0.6	2
43	Resistance of C-profile cold-formed compression members: Test and standard. <i>Journal of Constructional Steel Research</i> , 2008, 64, 802-807.	1.7	1
44	Modelling aspects of interface interlock in composite floors. <i>Periodica Polytechnica: Civil Engineering</i> , 2011, 55, 147.	0.6	1
45	A mixed time integration scheme for virtual fabrication of steel plate girders. <i>Computers and Structures</i> , 2011, 89, 1859-1873.	2.4	1
46	16.07: Flange buckling resistance of trapezoidal web girders: Experimental and numerical study. <i>Ce/Papers</i> , 2017, 1, 4088-4097.	0.1	1
47	07.18: Cold-formed C-sections encased in ultra-lightweight concrete: Development of a Eurocode-based design method. <i>Ce/Papers</i> , 2017, 1, 1647-1656.	0.1	1
48	Structures in Hungary: An Introduction. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2006, 16, 6-6.	0.5	0
49	Eurosteel 2011. <i>Steel Construction</i> , 2011, 4, 131-131.	0.4	0
50	03.13: Experimental study on cyclic plastic behaviour of steel joint components. <i>Ce/Papers</i> , 2017, 1, 599-608.	0.1	0
51	16.03: Structural analysis of the historical Széchenyi chain bridge in Budapest. <i>Ce/Papers</i> , 2017, 1, 4049-4058.	0.1	0
52	Rehabilitation of historical bridges over the Danube in Budapest. <i>International Journal of Architectural Heritage</i> , 2019, 13, 2-14.	1.7	0
53	Design aspects of cold-formed portal frames. , 2001, , 203-208.		0
54	Experiments of Corroded Angle-Section Compressive Members with Bolted Connections. , 2013, , 217-222.		0

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55	Cyclic Buckling Analysis of Steel Plate Elements. , 2013, , 187-192.		0
56	Moment-rotation model of steel-to-concrete end-plate connections. , 1996, , 269-277.		0
57	Seismic resilience assessment of critical infrastructures â€™ Case study of M1 highway bridges. Scientia Et Securitas, 2022, 2, 440-451.	0.1	0