

Milan Veljkovic

List of Publications by Year in descending order

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331670

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docs citations

93
times ranked

1076
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the strength of grade 10.9 bolts subject to multiaxial loading using the micromechanical failure index: MCEPS. Steel Construction, 2022, 15, 140-151.	0.8	6
2	Steel-reinforced resin for bolted shear connectors: Confined behaviour under quasi-static cyclic loading. Engineering Structures, 2022, 256, 114023.	5.3	2
3	Behavior of Orthotropic Steel-UHPC Composite Bridge Deck under Cyclic Loading. IABSE Symposium Report, 2022, , .	0.0	0
4	Experimental investigations of welding induced temperature gradients and distortions in a segment of an OSD. IABSE Symposium Report, 2022, , .	0.0	0
5	Shear performance of replaced bolt shear connectors in prefabricated composite beam. IABSE Symposium Report, 2022, , .	0.0	0
6	Fatigue crack growth modelling for S355 structural steel considering plasticity-induced crack-closure by means of UniGrow model. International Journal of Fatigue, 2022, 164, 107120.	5.7	2
7	Evaluation of high strength steels fracture based on uniaxial stress-strain curves. Engineering Failure Analysis, 2021, 120, 105025.	4.0	17
8	Three-dimensional fatigue crack propagation simulation using extended finite element methods for steel grades S355 and S690 considering mean stress effects. Engineering Structures, 2021, 227, 111414.	5.3	71
9	Ductile fracture locus identification using mesoscale critical equivalent plastic strain. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1292-1304.	3.4	12
10	Fracture parameters calibration and validation for the high strength steel based on the mesoscale failure index. Theoretical and Applied Fracture Mechanics, 2021, 112, 102929.	4.7	12
11	Fatigue experimental characterization of preloaded injection bolts in a metallic bridge strengthening scenario. Engineering Structures, 2021, 234, 112005.	5.3	3
12	Fracture simulation of a demountable steel-concrete bolted connector in push-out tests. Engineering Structures, 2021, 239, 112305.	5.3	14
13	Mechanical behaviour of welded high strength steel rectangular hollow section joints. Engineering Failure Analysis, 2021, 125, 105410.	4.0	6
14	Probabilistic strain-fatigue life performance based on stochastic analysis of structural and WAAM-stainless steels. Engineering Failure Analysis, 2021, 127, 105495.	4.0	23
15	Numerical analysis of ring flange connection with defined surface area. Ce/Papers, 2021, 4, 182-188.	0.3	2
16	Fatigue life of preloaded injection bolts in a bridge strengthening scenario – sensitivity analysis of fatigue life estimators. Ce/Papers, 2021, 4, 125-130.	0.3	0
17	Experiments and numerical simulation of wire and arc additive manufactured steel materials. Structures, 2021, 34, 1393-1402.	3.6	16
18	Flexural strength and rotation capacity of welded I-section steel beams with longitudinally profiled flanges. Journal of Constructional Steel Research, 2020, 173, 106255.	3.9	8

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19	Ductile damage model calibration for high-strength structural steels. <i>Construction and Building Materials</i> , 2020, 263, 120632.	7.2	37
20	Assessment of design mechanical parameters and partial safety factors for Wire-and-Arc Additive Manufactured stainless steel. <i>Engineering Structures</i> , 2020, 225, 111314.	5.3	31
21	Residual stress effects on fatigue crack growth rate of mild steel S355 exposed to air and seawater environments. <i>Materials and Design</i> , 2020, 193, 108732.	7.0	44
22	Reliability of Fatigue Strength Curves for Riveted Connections Using Normal and Weibull Distribution Functions. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2020, 6, .	1.7	19
23	Resin and steel-reinforced resin used as injection materials in bolted connections. , 2020, , 717-743.		0
24	Towards a demountable composite slab floor system. <i>Ce/Papers</i> , 2019, 3, 243-249.	0.3	2
25	Calibration of welding simulation parameters of fillet welding joints used in an orthotropic steel deck. <i>Ce/Papers</i> , 2019, 3, 49-54.	0.3	2
26	Computational homogenization simulation on steel reinforced resin used in the injected bolted connections. <i>Composite Structures</i> , 2019, 210, 942-957.	5.8	14
27	Mechanical characterization of a unidirectional pultruded composite lamina using micromechanics and numerical homogenization. <i>Construction and Building Materials</i> , 2019, 216, 101-118.	7.2	21
28	Fatigue crack initiation prediction using phantom nodes-based extended finite element method for S355 and S690 steel grades. <i>Engineering Fracture Mechanics</i> , 2019, 214, 164-176.	4.3	38
29	Alternative steel lattice structures for wind energy converters. <i>International Journal of Structural Integrity</i> , 2019, 12, 48-69.	3.3	8
30	ACOUSTIC EMISSION SOURCE LOCATION IN I GIRDER BASED ON EXPERIMENTAL STUDY AND LAMB WAVE PROPAGATION SIMULATION. <i>Ce/Papers</i> , 2019, 3, 3-12.	0.3	2
31	Fatigue crack propagation simulation of orthotropic bridge deck based on extended finite element method. <i>Procedia Structural Integrity</i> , 2019, 22, 283-290.	0.8	12
32	Fatigue resistance curves for single and double shear riveted joints from old portuguese metallic bridges. <i>Engineering Failure Analysis</i> , 2019, 96, 255-273.	4.0	28
33	Elastic behaviour of a tapered steel-concrete composite beam optimized for reuse. <i>Engineering Structures</i> , 2019, 183, 366-374.	5.3	25
34	Implementation of high-strength, high-performance steel structures. <i>Steel Construction</i> , 2018, 11, 247-248.	0.8	2
35	Stress intensity factors of the rib-to-deck welded joint at the crossbeam conjunction in OSDs. <i>Procedia Structural Integrity</i> , 2018, 13, 2017-2023.	0.8	4
36	Non-linear hybrid homogenization method for steel-reinforced resin. <i>Construction and Building Materials</i> , 2018, 182, 324-333.	7.2	11

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37	FE validation of push-out tests. Steel Construction, 2017, 10, 135-144.	0.8	15
38	Latest developments in research, standardization and practice. Steel Construction, 2017, 10, 91-92.	0.8	0
39	Recommendations for the design of grouped headed studs. Steel Construction, 2017, 10, 145-153.	0.8	4
40	09.04: Fatigue behaviour of the closed rib to deck and crossbeam joint in a newly designed orthotropic bridge deck. Ce/Papers, 2017, 1, 2378-2387.	0.3	2
41	01.15: Numerical investigation of preloaded gusset plate connections between polygonal built-up members. Ce/Papers, 2017, 1, 292-297.	0.3	0
42	18.06: Preliminary transition piece design for an onshore wind turbine. Ce/Papers, 2017, 1, 4400-4409.	0.3	0
43	Behaviour of double shear connections with injection bolts. Steel Construction, 2017, 10, 287-294.	0.8	5
44	New Lattice-Tubular Tower for Onshore WEC – Part 1: Structural Optimization. Procedia Engineering, 2017, 199, 3236-3241.	1.2	11
45	Compact cross-sections of mild and high-strength steel hollow-section beams. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2017, 170, 825-840.	0.8	5
46	08.08: Prefabricated demountable concrete and FRP decks in composite structures. Ce/Papers, 2017, 1, 1889-1898.	0.3	0
47	Determining the preload in preloaded bolt assemblies in existing steel structures. Steel Construction, 2017, 10, 282-286.	0.8	5
48	03.16: Multiplanar K-joints on cold-formed open sections: An experimental study with high strength steels. Ce/Papers, 2017, 1, 629-638.	0.3	2
49	Shear connection with groups of headed studs. Gradevinar, 2017, 69, 379-386.	0.2	1
50	Resistance of cold-formed high strength steel circular and polygonal sections - Part 2: Numerical investigations. Journal of Constructional Steel Research, 2016, 125, 227-238.	3.9	5
51	Headed Shear Studs versus High-Strength Bolts in Prefabricated Composite Decks. , 2016, , .		2
52	Numerical Investigation of the Behaviour of Steel Beams in Steel-Concrete Composite Frames. , 2016, , .		0
53	The Contact Problem of Roller Bearings: Investigation of Observed Failures. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2016, 26, 207-215.	0.8	4
54	Global Fatigue Life Modelling of Steel Half-pipes Bolted Connections. Procedia Engineering, 2016, 160, 278-284.	1.2	3

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55	Numerical assessment of T-stub component subjected to impact loading. Engineering Structures, 2016, 106, 450-460.	5.3	51
56	Resistance of cold-formed high strength steel circular and polygonal sections â€” Part 1: Experimental investigations. Journal of Constructional Steel Research, 2016, 120, 245-257.	3.9	23
57	Improved design of tubular wind tower foundations using steel micropiles. Structure and Infrastructure Engineering, 2016, 12, 1038-1050.	3.7	4
58	AXIAL FORCE AND DEFORMATION OF A RESTRAINED STEEL BEAM IN FIRE Description and validation of a simplified analytical procedure. , 2016, , 174-193.		0
59	Untersuchungen zur statischen Effizienz polygonaler und kreisförmiger Stahltröme für Windenergieanlagen. Stahlbau, 2015, 84, 1004-1009.	0.1	0
60	Numerical Study of Steel Beams in Sub-frame Assembly Validation of Existing Hand Calculation Procedures. Journal of Structural Fire Engineering, 2015, 6, 123-140.	0.8	0
61	Friction connection vs. ring flange connection in steel towers for wind converters. Engineering Structures, 2015, 98, 151-162.	5.3	19
62	Initial stiffness evaluation of reverse channel connections in tension and compression. Journal of Constructional Steel Research, 2015, 114, 119-128.	3.9	5
63	Connections in towers for wind converters, Part II: The friction connection behaviour. Journal of Constructional Steel Research, 2015, 115, 458-466.	3.9	18
64	Connections in towers for wind converters, part I: Evaluation of down-scaled experiments. Journal of Constructional Steel Research, 2015, 115, 445-457.	3.9	29
65	SUB-FRAMES WITH REVERSE CHANNEL CONNECTIONS TO CFT COMPOSITE COLUMNS â€” EXPERIMENTAL EVALUATION. , 2015, , 111-126.		0
66	Large Scale Test on a Steel Column Exposed to Localized Fire. Journal of Structural Fire Engineering, 2014, 5, 147-160.	0.8	16
67	Comparative life cycle assessment of tubular wind towers and foundations â€” Part 1: Structural design. Engineering Structures, 2014, 74, 283-291.	5.3	23
68	Comparative life cycle assessment of tubular wind towers and foundations â€” Part 2: Life cycle analysis. Engineering Structures, 2014, 74, 292-299.	5.3	13
69	Bolted shear connectors vs. headed studs behaviour in push-out tests. Journal of Constructional Steel Research, 2013, 88, 134-149.	3.9	323
70	Design of slip resistant lap joints with long open slotted holes. Journal of Constructional Steel Research, 2013, 82, 223-233.	3.9	34
71	Experimental behaviour of the reverse channel joint component at elevated and ambient temperatures. International Journal of Steel Structures, 2013, 13, 459-472.	1.3	10
72	Measurement and calculation of adiabatic surface temperature in a full-scale compartment fire experiment. Journal of Fire Sciences, 2013, 31, 35-50.	2.0	17

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73	Piezo-impedance transducers for residual fatigue life assessment of bolted steel joints. Structural Health Monitoring, 2012, 11, 733-750.	7.5	56
74	Thermal analysis of a pool fire test in a steel container. Journal of Fire Sciences, 2012, 30, 170-184.	2.0	1
75	A comparison of the fatigue behavior between S355 and S690 steel grades. Journal of Constructional Steel Research, 2012, 79, 140-150.	3.9	150
76	Full-scale experimental and numerical studies on compartment fire under low ambient temperature. Building and Environment, 2012, 51, 255-262.	6.9	43
77	Structural monitoring of a wind turbine steel tower - Part I: system description and calibration. Wind and Structures, an International Journal, 2012, 15, 285-299.	0.8	13
78	Structural monitoring of a wind turbine steel tower - Part II: monitoring results. Wind and Structures, an International Journal, 2012, 15, 301-311.	0.8	8
79	Monitoring of a Swedish Integral Abutment Bridge. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2011, 21, 175-180.	0.8	16
80	Use of Plate Thermometers for Better Estimate of Fire Development. Applied Mechanics and Materials, 2011, 82, 362-367.	0.2	5
81	Friction connection in tubular towers for a wind turbine. Stahlbau, 2010, 79, 660-668.	0.1	21
82	Steel meets culture. Steel Construction, 2010, 3, 127-127.	0.8	0
83	Review of plate buckling rules in EN 1993-1-5. Steel Construction, 2009, 2, 228-234.	0.8	18
84	Thin-walled steel columns with partially closed cross-section: Tests and computer simulations. Journal of Constructional Steel Research, 2008, 64, 816-821.	3.9	15
85	A design model for stainless steel box columns in fire. Journal of Constructional Steel Research, 2008, 64, 1294-1301.	3.9	33
86	Numerical study of a steel sub-frame in fire. Computers and Structures, 2008, 86, 1619-1632.	4.4	21
87	Use of Duplex Stainless Steel in Economic Design of a Pressure Vessel. Journal of Pressure Vessel Technology, Transactions of the ASME, 2007, 129, 155-161.	0.6	11
88	Light steel framing for residential buildings. Thin-Walled Structures, 2006, 44, 1272-1279.	5.3	48
89	Residual Static Resistance of Welded Stud Shear Connectors. , 2006, , 524.		3
90	Steel plated structures. Structural Control and Health Monitoring, 2001, 3, 13-27.	0.7	10

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91	Influence of load arrangement on composite slab behaviour and recommendations for design. Journal of Constructional Steel Research, 1998, 45, 149-178.	3.9	18