

Dennis Lam

List of Publications by Year in descending order

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63
papers

3,586
citations

185998

28
h-index

138251

58
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66
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66
docs citations

66
times ranked

1398
citing authors

#	ARTICLE	IF	CITATIONS
1	Axial-load response of CFST stub columns with external stainless steel and recycled aggregate concrete: Testing, mechanism analysis and design. <i>Engineering Structures</i> , 2022, 256, 113968.	2.6	23
2	Behaviours of circular CFDST with stainless steel external tube: Slender columns and beams. <i>Thin-Walled Structures</i> , 2021, 158, 107172.	2.7	28
3	Modified strut and tie model of headed stud shear connectors in open trough profiled sheeting for predicting the post-cracking load bearing resistance. <i>Ce/Papers</i> , 2021, 4, 627-634.	0.1	0
4	Effect of dowel shear connector on performance of slim-floor composite shear beams. <i>Journal of Constructional Steel Research</i> , 2020, 173, 106243.	1.7	10
5	Load sharing mechanism between shear studs and profiled steel sheeting in push tests. <i>Journal of Constructional Steel Research</i> , 2020, 174, 106279.	1.7	13
6	Spatiotemporal model to quantify stocks of building structural products for a prospective circular economy. <i>Resources, Conservation and Recycling</i> , 2020, 162, 105026.	5.3	26
7	Developing advanced techniques to reclaim existing end of service life (EoSL) bricks – An assessment of reuse technical viability. <i>Developments in the Built Environment</i> , 2020, 2, 100006.	2.0	4
8	Recovery and reuse of structural products from end-of-life buildings. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2019, 172, 119-128.	0.4	38
9	Different load bearing mechanisms in headed stud shear connectors for composite beams with profiled steel sheeting. <i>Steel Construction</i> , 2019, 12, 184-190.	0.4	7
10	Flexural behaviour of composite slim floor beams. <i>Structures</i> , 2019, 21, 22-32.	1.7	11
11	Different load-bearing mechanisms in headed stud shear connections in composite beams with profiled steel sheeting. <i>Ce/Papers</i> , 2019, 3, 231-236.	0.1	0
12	Testing of a Full-Scale Composite Floor Plate. <i>Engineering</i> , 2019, 5, 223-233.	3.2	3
13	Finite element analysis of concrete filled lean duplex stainless steel columns. <i>Structures</i> , 2019, 21, 150-155.	1.7	15
14	Experimental investigation of bond behaviour of two common GFRP bar types in high strength concrete. <i>Construction and Building Materials</i> , 2019, 201, 610-622.	3.2	59
15	Testing of composite beam with demountable shear connectors. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2018, 171, 3-16.	0.4	14
16	Flexural behaviour of asymmetric composite beam with low degree of shear connection. <i>Journal of Constructional Steel Research</i> , 2018, 141, 251-261.	1.7	8
17	Behaviour of octagonal steel-reinforced concrete box columns under compressive load. <i>Magazine of Concrete Research</i> , 2018, 70, 838-855.	0.9	6
18	Strength, stiffness and ductility of concrete-filled steel columns under axial compression. <i>Engineering Structures</i> , 2017, 135, 209-221.	2.6	196

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19	Recent research on composite beams with demountable shear connectors. <i>Steel Construction</i> , 2017, 10, 125-134.	0.4	27
20	Post-fire Behaviour of Innovative Shear Connection for Steel-Concrete Composite Structures. <i>Structures</i> , 2017, 9, 147-156.	1.7	7
21	Serviceability performance of steel-concrete composite beams. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2017, 170, 98-114.	0.4	17
22	08.15: Axial behaviour of concrete filled lean duplex stainless steel square hollow sections. <i>Ce/Papers</i> , 2017, 1, 1956-1965.	0.1	3
23	Structural Behaviour of Beam to Concrete-filled Elliptical Steel Tubular Column Connections. <i>Structures</i> , 2017, 9, 41-52.	1.7	10
24	Full-scale tests on composite structures with low degree of shear connection. <i>Ce/Papers</i> , 2017, 1, 297-302.	0.1	0
25	Experimental study on long spanning composite cellular beam under flexure and shear. <i>Journal of Constructional Steel Research</i> , 2016, 116, 40-54.	1.7	28
26	Slim-floor construction design for ultimate limit state. <i>Steel Construction</i> , 2015, 8, 79-84.	0.4	22
27	Tests on elliptical concrete filled steel tubular (CFST) beams and columns. <i>Journal of Constructional Steel Research</i> , 2014, 99, 149-160.	1.7	61
28	Experimental response and code modelling of continuous concrete slabs reinforced with BFRP bars. <i>Composite Structures</i> , 2014, 107, 664-674.	3.1	66
29	Finite element analysis on the capacity of circular concrete-filled double-skin steel tubular (CFDST) stub columns. <i>Engineering Structures</i> , 2014, 72, 102-112.	2.6	194
30	Experiments on special-shaped CFST stub columns under axial compression. <i>Journal of Constructional Steel Research</i> , 2014, 98, 123-133.	1.7	83
31	Numerical analysis of slender elliptical concrete filled columns under axial compression. <i>Thin-Walled Structures</i> , 2014, 77, 26-35.	2.7	68
32	An experimental study on elliptical concrete filled columns under axial compression. <i>Journal of Constructional Steel Research</i> , 2013, 87, 6-16.	1.7	83
33	Behaviour of Headed Shear Stud in Composite Beams with Profiled Metal Decking. <i>Advances in Structural Engineering</i> , 2012, 15, 1547-1558.	1.2	23
34	Structural response of concrete-filled elliptical steel hollow sections under eccentric compression. <i>Engineering Structures</i> , 2012, 45, 314-323.	2.6	84
35	Behaviour of inclined, tapered and STS square CFST stub columns subjected to axial load. <i>Thin-Walled Structures</i> , 2012, 54, 94-105.	2.7	82
36	Shape effect on the behaviour of axially loaded concrete filled steel tubular stub columns at elevated temperature. <i>Journal of Constructional Steel Research</i> , 2012, 73, 117-127.	1.7	36

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37	Concrete-Filled Steel Tube Columns-Tests Compared with Eurocode 4. , 2011, , .		8
38	Effect of shear connector spacing and layout on the shear connector capacity in composite beams. Journal of Constructional Steel Research, 2011, 67, 706-719.	1.7	91
39	The influence of profiled sheeting thickness and shear connectorâ€™s position on strength and ductility of headed shear connector. Engineering Structures, 2011, 33, 1643-1656.	2.6	54
40	Eccentrically loaded concrete encased steel composite columns. Thin-Walled Structures, 2011, 49, 53-65.	2.7	44
41	Structural Design of Concrete Filled Steel Elliptical Hollow Sections. , 2011, , .		2
42	Numerical modelling of the axial compressive behaviour of short concrete-filled elliptical steel columns. Journal of Constructional Steel Research, 2010, 66, 931-942.	1.7	146
43	Moment resistance and rotation capacity of semi-rigid composite connections with precast hollowcore slabs. Journal of Constructional Steel Research, 2010, 66, 452-461.	1.7	25
44	Behaviour of Axially Loaded Concrete Filled Stainless Steel Elliptical Stub Columns. Advances in Structural Engineering, 2010, 13, 493-500.	1.2	35
45	Initiation and propagation of transverse cracking in composite laminates. Computational Materials Science, 2010, 47, 1031-1039.	1.4	9
46	Structural design of stainless steel concrete filled columns. Journal of Constructional Steel Research, 2008, 64, 1275-1282.	1.7	235
47	Modelling semi-rigid composite joints with precast hollowcore slabs in hogging moment region. Journal of Constructional Steel Research, 2008, 64, 1408-1419.	1.7	27
48	Testing and analysis of concrete-filled elliptical hollow sections. Engineering Structures, 2008, 30, 3771-3781.	2.6	132
49	Free-Edge and Ply Cracking Effect in Angle-Ply Laminated Composites Subjected to In-Plane Loads. Journal of Engineering Mechanics - ASCE, 2007, 133, 1268-1277.	1.6	9
50	Analytical Model of Semi-Rigid Composite Joints with Steel Beams and Precast Hollowcore Slabs. , 2007, , 1.		1
51	Parametric study of semi-rigid composite connections with 3-D finite element approach. Engineering Structures, 2007, 29, 888-898.	2.6	22
52	Properties degradation induced by transverse cracks in general symmetric laminates. International Journal of Solids and Structures, 2007, 44, 5499-5517.	1.3	9
53	Capacities of headed stud shear connectors in composite steel beams with precast hollowcore slabs. Journal of Constructional Steel Research, 2007, 63, 1160-1174.	1.7	85
54	Ply cracking and stiffness degradation in cross-ply laminates under biaxial extension, bending and thermal loading. Composite Structures, 2006, 75, 121-131.	3.1	36

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55	Behaviour of normal and high strength concrete-filled compact steel tube circular stub columns. Journal of Constructional Steel Research, 2006, 62, 706-715.	1.7	355
56	Experimental study on semi-rigid composite joints with steel beams and precast hollowcore slabs. Journal of Constructional Steel Research, 2006, 62, 771-782.	1.7	29
57	Behavior of Headed Stud Shear Connectors in Composite Beam. Journal of Structural Engineering, 2005, 131, 96-107.	1.7	252
58	Determining the effective width of composite beams with precast hollowcore slabs. Structural Engineering and Mechanics, 2005, 21, 295-313.	1.0	5
59	Axial capacity of circular concrete-filled tube columns. Journal of Constructional Steel Research, 2004, 60, 1049-1068.	1.7	469
60	Experimental study on concrete filled square hollow sections. Steel and Composite Structures, 2004, 4, 95-112.	1.3	56
61	Finite Element Analysis of Steel-Concrete Composite Girders. Advances in Structural Engineering, 2003, 6, 267-281.	1.2	42
62	Modelling of headed stud in steel-precast composite beams. Steel and Composite Structures, 2002, 2, 355-378.	1.3	46
63	Use of bolted shear connectors in composite construction. , 0, , .		3