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 g-index
66 all docs	66 docs citations	66 times ranked	1398 citing authors

#	Article	IF	Citations
1	Axial capacity of circular concrete-filled tube columns. Journal of Constructional Steel Research, 2004, 60, 1049-1068.	1.7	469
2	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
3	Behavior of Headed Stud Shear Connectors in Composite Beam. Journal of Structural Engineering, 2005, 131, 96-107.	1.7	252
4	Structural design of stainless steel concrete filled columns. Journal of Constructional Steel Research, 2008, 64, 1275-1282.	1.7	235
5	Strength, stiffness and ductility of concrete-filled steel columns under axial compression. Engineering Structures, 2017, 135, 209-221.	2.6	196
6	Finite element analysis on the capacity of circular concrete-filled double-skin steel tubular (CFDST) stub columns. Engineering Structures, 2014, 72, 102-112.	2.6	194
7	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
8	Testing and analysis of concrete-filled elliptical hollow sections. Engineering Structures, 2008, 30, 3771-3781.	2.6	132
9	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
10	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
11	Structural response of concrete-filled elliptical steel hollow sections under eccentric compression. Engineering Structures, 2012, 45, 314-323.	2.6	84
12	An experimental study on elliptical concrete filled columns under axial compression. Journal of Constructional Steel Research, 2013, 87, 6-16.	1.7	83
13	Experiments on special-shaped CFST stub columns under axial compression. Journal of Constructional Steel Research, 2014, 98, 123-133.	1.7	83
14	Behaviour of inclined, tapered and STS square CFST stub columns subjected to axial load. Thin-Walled Structures, 2012, 54, 94-105.	2.7	82
15	Numerical analysis of slender elliptical concrete filled columns under axial compression. Thin-Walled Structures, 2014, 77, 26-35.	2.7	68
16	Experimental response and code modelling of continuous concrete slabs reinforced with BFRP bars. Composite Structures, 2014, 107, 664-674.	3.1	66
17	Tests on elliptical concrete filled steel tubular (CFST) beams and columns. Journal of Constructional Steel Research, 2014, 99, 149-160.	1.7	61
18	Experimental investigation of bond behaviour of two common GFRP bar types in high â€“ Strength concrete. Construction and Building Materials, 2019, 201, 610-622.	3.2	59

#	Article	IF	Citations
19	Experimental study on concrete filled square hollow sections. Steel and Composite Structures, 2004, 4, 95-112.	1.3	56
20	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
21	Modelling of headed stud in steel-precast composite beams. Steel and Composite Structures, 2002, 2, 355-378.	1.3	46
22	Eccentrically loaded concrete encased steel composite columns. Thin-Walled Structures, 2011, 49, 53-65.	2.7	44
23	Finite Element Analysis of Steel-Concrete Composite Girders. Advances in Structural Engineering, 2003, 6, 267-281.	1.2	42
24	Recovery and reuse of structural products from end-of-life buildings. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2019, 172, 119-128.	0.4	38
25	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
26	Shape effect on the behaviour of axially loaded concrete filled steel tubular stub columns at elevated temperature. Journal of Constructional Steel Research, 2012, 73, 117-127.	1.7	36
27	Behaviour of Axially Loaded Concrete Filled Stainless Steel Elliptical Stub Columns. Advances in Structural Engineering, 2010, 13, 493-500.	1.2	35
28	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
29	Experimental study on long spanning composite cellular beam under flexure and shear. Journal of Constructional Steel Research, 2016, 116, 40-54.	1.7	28
30	Behaviours of circular CFDST with stainless steel external tube: Slender columns and beams. Thin-Walled Structures, 2021, 158, 107172.	2.7	28
31	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
32	Recent research on composite beams with demountable shear connectors. Steel Construction, 2017, 10, 125-134.	0.4	27
33	Spatiotemporal model to quantify stocks of building structural products for a prospective circular economy. Resources, Conservation and Recycling, 2020, 162, 105026.	5.3	26
34	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
35	Behaviour of Headed Shear Stud in Composite Beams with Profiled Metal Decking. Advances in Structural Engineering, 2012, 15, 1547-1558.	1.2	23
36	Axial-load response of CFST stub columns with external stainless steel and recycled aggregate concrete: Testing, mechanism analysis and design. Engineering Structures, 2022, 256, 113968.	2.6	23

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37	Parametric study of semi-rigid composite connections with 3-D finite element approach. Engineering Structures, 2007, 29, 888-898.	2.6	22
38	Slimâ€floor construction â€“ design for ultimate limit state. Steel Construction, 2015, 8, 79-84.	0.4	22
39	Serviceability performance of steelâ€“concrete composite beams. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2017, 170, 98-114.	0.4	17
40	Finite element analysis of concrete filled lean duplex stainless steel columns. Structures, 2019, 21, 150-155.	1.7	15
41	Testing of composite beam with demountable shear connectors. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2018, 171, 3-16.	0.4	14
42	Load sharing mechanism between shear studs and profiled steel sheeting in push tests. Journal of Constructional Steel Research, 2020, 174, 106279.	1.7	13
43	Flexural behaviour of composite slim floor beams. Structures, 2019, 21, 22-32.	1.7	11
44	Structural Behaviour of Beam to Concrete-filled Elliptical Steel Tubular Column Connections. Structures, 2017, 9, 41-52.	1.7	10
45	Effect of dowel shear connector on performance of slim-floor composite shear beams. Journal of Constructional Steel Research, 2020, 173, 106243.	1.7	10
46	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
47	Properties degradation induced by transverse cracks in general symmetric laminates. International Journal of Solids and Structures, 2007, 44, 5499-5517.	1.3	9
48	Initiation and propagation of transverse cracking in composite laminates. Computational Materials Science, 2010, 47, 1031-1039.	1.4	9
49	Concrete-Filled Steel Tube Columns-Tests Compared with Eurocode 4. , 2011, , .		8
50	Flexural behaviour of asymmetric composite beam with low degree of shear connection. Journal of Constructional Steel Research, 2018, 141, 251-261.	1.7	8
51	Post-fire Behaviour of Innovative Shear Connection for Steel-Concrete Composite Structures. Structures, 2017, 9, 147-156.	1.7	7
52	Different load bearing mechanisms in headed stud shear connectors for composite beams with profiled steel sheeting. Steel Construction, 2019, 12, 184-190.	0.4	7
53	Behaviour of octagonal steel-reinforced concrete box columns under compressive load. Magazine of Concrete Research, 2018, 70, 838-855.	0.9	6
54	Determining the effective width of composite beams with precast hollowcore slabs. Structural Engineering and Mechanics, 2005, 21, 295-313.	1.0	5

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55	Developing advanced techniques to reclaim existing end of service life (EoSL) bricks â€“ An assessment of reuse technical viability. Developments in the Built Environment, 2020, 2, 100006.	2.0	4
56	08.15: Axial behaviour of concrete filled lean duplex stainless steel square hollow sections. Ce/Papers, 2017, 1, 1956-1965.	0.1	3
57	Testing of a Full-Scale Composite Floor Plate. Engineering, 2019, 5, 223-233.	3.2	3
58	Use of bolted shear connectors in composite construction. , 0, , .		3
59	Structural Design of Concrete Filled Steel Elliptical Hollow Sections. , 2011, , .		2
60	Analytical Model of Semi-Rigid Composite Joints with Steel Beams and Precast Hollowcore Slabs. , 2007, , 1.		1
61	Fullâ€scale tests on composite structures with low degree of shear connection. Ce/Papers, 2017, 1, 297-302.	0.1	0
62	Different loadâ€bearing mechanisms in headed stud shear connections in composite beams with profiled steel sheeting. Ce/Papers, 2019, 3, 231-236.	0.1	0
63	Modified strut and tie model of headed stud shear connectors in open trough profiled sheeting for predicting the postâ€cracking load bearing resistance. Ce/Papers, 2021, 4, 627-634.	0.1	0