Nor Hafizah Ramli Sulong

List of Publications by Year
in descending order

86	2,732	147801 31	197818 49
papers	citations	h-index	g-index

89	89	89	1633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prediction of shear capacity of channel shear connectors using the ANFIS model. Steel and Composite Structures, 2014, 17, 623-639.	1.3	163
2	Comparative performance of channel and angle shear connectors in high strength concrete composites: An experimental study. Construction and Building Materials, 2016, 120, 382-392.	7.2	115
3	Application of expanded polystyrene (EPS) in buildings and constructions: A review. Journal of Applied Polymer Science, 2019, 136, 47529.	2.6	115
4	Fire-resistive performance of intumescent flame-retardant coatings for steel. Materials & Design, 2012, 34, 719-724.	5.1	107
5	Development and testing of hybrid precast concrete beam-to-column connections under cyclic loading. Construction and Building Materials, 2017, 151, 258-278.	7.2	98
6	Comparison of behaviour between channel and angle shear connectors under monotonic and fully reversed cyclic loading. Construction and Building Materials, 2013, 38, 582-593.	7.2	95
7	Experimental assessment of channel shear connectors under monotonic and fully reversed cyclic loading in high strength concrete. Materials & Design, 2012, 34, 325-331.	5.1	82
8	Experimental assessment of angle shear connectors under monotonic and fully reversed cyclic loading in high strength concrete. Construction and Building Materials, 2014, 52, 276-283.	7.2	79
9	Eggshells: A novel bio-filler for intumescent flame-retardant coatings. Progress in Organic Coatings, 2015, 81, 116-124.	3.9	79
10	Analysis and review of concrete-filled double skin steel tubes under compression. Thin-Walled Structures, 2020, 148, 106495.	5.3	73
11	Investigation of through beam connection to concrete filled circular steel tube (CFCST) column. Journal of Constructional Steel Research, 2016, 121, 144-162.	3.9	70
12	Influences of flame-retardant fillers on fire protection and mechanical properties of intumescent coatings. Progress in Organic Coatings, 2015, 78, 59-66.	3.9	69
13	Behaviour of C-shaped angle shear connectors under monotonic and fully reversed cyclic loading: An experimental study. Materials & Design, 2012, 41, 67-73.	5.1	63
14	Behavior of V-shaped angle shear connectors: experimental and parametric study. Materials and Structures/Materiaux Et Constructions, 2016, 49, 3909-3926.	3.1	59
15	Integration of thermal insulation coating and moving-air-cavity in a cool roof system for attic temperature reduction. Energy Conversion and Management, 2013, 75, 241-248.	9.2	58
16	Feasibility study on the use of high volume palm oil clinker waste in environmental friendly lightweight concrete. Construction and Building Materials, 2017, 135, 94-103.	7.2	55
17	Numerical analysis of channel connectors under fire and a comparison of performance with different types of shear connectors subjected to fire. Steel and Composite Structures, 2016, 20, 651-669.	1.3	49
18	State-of-the-art review on the design and performance of steel pallet rack connections. Engineering Failure Analysis, 2016, 66, 240-258.	4.0	48

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19	The formulation and study of the thermal stability and mechanical properties of an acrylic coating using chicken eggshell as a novel bio-filler. Progress in Organic Coatings, 2013, 76, 1549-1555.	3.9	47
20	A Review on Strengthening Steel Beams Using FRP under Fatigue. Scientific World Journal, The, 2014, 2014, 1-21.	2.1	47
21	FE modelling of the flexural behaviour of square and rectangular steel tubes filled with normal and high strength concrete. Thin-Walled Structures, 2017, 119, 470-481.	5.3	47
22	Performance of dowel beam-to-column connections for precast concrete systems under seismic loads: A review. Construction and Building Materials, 2020, 237, 117582.	7.2	46
23	Failure analysis and structural behaviour of CFRP strengthened steel I-beams. Construction and Building Materials, 2012, 30, 1-9.	7.2	45
24	Seismic performance of innovative hybrid precast reinforced concrete beam-to-column connections. Engineering Structures, 2020, 202, 109886.	5.3	45
25	Shear Capacity of C-Shaped and L-Shaped Angle Shear Connectors. PLoS ONE, 2016, 11, e0156989.	2.5	42
26	CFRP strips for enhancing flexural performance of RC beams by SNSM strengthening technique. Construction and Building Materials, 2018, 165, 28-44.	7.2	40
27	Behavior of Industrial Steel Rack Connections. Mechanical Systems and Signal Processing, 2016, 70-71, 725-740.	8.0	35
28	Performance of shear connectors at elevated temperatures - A review. Steel and Composite Structures, 2016, 20, 185-203.	1.3	35
29	Behavior of Tilted Angle Shear Connectors. PLoS ONE, 2015, 10, e0144288.	2.5	35
30	Behavior of steel pallet rack beam-to-column connections at elevated temperatures. Thin-Walled Structures, 2016, 106, 471-483.	5.3	34
31	Pitch spacing effect on the axial compressive behaviour of spirally reinforced concrete-filled steel tube (SRCFT). Thin-Walled Structures, 2016, 100, 213-223.	5.3	34
32	Steel Rack Connections: Identification of Most Influential Factors and a Comparison of Stiffness Design Methods. PLoS ONE, 2015, 10, e0139422.	2.5	31
33	An investigation into waterborne intumescent coating with different fillers for steel application. Pigment and Resin Technology, 2018, 47, 142-153.	0.9	31
34	Glass Fiber Reinforced Polymer (GFRP) Bars for Enhancing the Flexural Performance of RC Beams Using Side-NSM Technique. Polymers, 2017, 9, 180.	4.5	30
35	Seismic performance of a new through rib stiffener beam connection to concrete-filled steel tubular columns: An experimental study. Engineering Structures, 2017, 131, 477-491.	5.3	29
36	Recent research on cold-formed steel beams and columns subjected to elevated temperature: A review. Construction and Building Materials, 2017, 144, 686-701.	7.2	28

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37	Experimental and theoretical investigation on torsional behaviour of CFRP strengthened square hollow steel section. Thin-Walled Structures, 2013, 68, 135-140.	5.3	24
38	Behaviour and design of beam-to-column connections under fire conditions. Fire Safety Journal, 2007, 42, 437-451.	3.1	23
39	Behavior of Channel Shear Connectors in Normal and Light Weight Aggregate Concrete (Experimental) Tj ETQq1 1 0.784314 rgBT /Ov	0.3	23
40	Fire Propagation Performance of Intumescent Fire Protective Coatings Using Eggshells as a Novel Biofiller. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	22
41	Effect of Epoxy Binder on Fire Protection and Bonding Strength of Intumescent Fire Protective Coatings for Steel. Advanced Materials Research, 2010, 168-170, 1228-1232.	0.3	20
42	Optimization of Off-Centre bracing system using Genetic Algorithm. Journal of Constructional Steel Research, 2011, 67, 1435-1441.	3.9	20
43	A new sustainable composite column using an agricultural solid waste as aggregate. Journal of Cleaner Production, 2016, 129, 282-291.	9.3	20
44	Performance evaluation of stone mastic asphalt (SMA) mixtures with palm oil clinker (POC) as fine aggregate replacement. Construction and Building Materials, 2020, 262, 120546.	7.2	20
45	Behavior of through Beam Connections Composed of CFSST Columns and Steel Beams by Finite Element Studying. Advanced Materials Research, 0, 168-170, 2329-2333.	0.3	19
46	The safety performance of guardrail systems: review and analysis of crash tests data. International Journal of Crashworthiness, 2013, 18, 530-543.	1.9	19
47	Pull-out performance of a novel anchor blind bolt (TubeBolt) for beam to concrete-filled tubular (CFT) column bolted connections. Thin-Walled Structures, 2018, 124, 402-414.	5.3	17
48	Fire resistance performance of composite coating with geopolymerâ€based bioâ€fillers for lightweight panel application. Journal of Applied Polymer Science, 2020, 137, 49558.	2.6	17
49	Evaluation of the CO2 emissions of an innovative composite precast concrete structure building frame. Journal of Cleaner Production, 2020, 242, 118567.	9.3	16
50	Strengthening of Steel I-Beams Using CFRP Strips: An Investigation on CFRP Bond Length. Advances in Structural Engineering, 2012, 15, 2191-2204.	2.4	13
51	Experimental and numerical study of flexural behavior of novel oil palm concrete filled steel tube exposed to elevated temperature. Journal of Cleaner Production, 2018, 205, 95-114.	9.3	13
52	Effect of Palm Oil Clinker (POC) Aggregate on the Mechanical Properties of Stone Mastic Asphalt (SMA) Mixtures. Sustainability, 2020, 12, 2716.	3.2	13
53	Modelling of beam-to-column connections at elevated temperature using the component method. Steel and Composite Structures, 2010, 10, 23-43.	1.3	13
54	Analysis of developed transition road safety barrier systems. Accident Analysis and Prevention, 2013, 59, 240-252.	5.7	12

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55	Cyclic performance of stiffened steel plate shear walls with various configurations of stiffeners. Journal of Vibroengineering, 2018, 20, 459-476.	1.0	12
56	New approach for developing soft computational prediction models for moment and rotation of boltless steel connections. Thin-Walled Structures, 2018, 133, 206-215.	5.3	11
57	Development of lightweight aggregate mortar skin layer for an innovative sandwich concrete composite. Journal of Building Engineering, 2020, 27, 100941.	3.4	11
58	A systematic review of the utilization of waste materials as aggregate replacement in stone matrix asphalt mixes. Environmental Science and Pollution Research, 2022, 29, 35557-35582.	5.3	11
59	Investigation on solvent-borne intumescent flame-retardant coatings for steel. Materials Research Innovations, 2014, 18, S6-384-S6-388.	2.3	10
60	Nonlinear dynamic response of tension leg platform under environmental loads. KSCE Journal of Civil Engineering, 2017, 21, 1022-1030.	1.9	10
61	Stochastic Response of Intact and a Removed Tendon Tension Leg Platform to Random Wave and Current Forces. Arabian Journal for Science and Engineering, 2017, 42, 1065-1076.	3.0	10
62	Flexural behaviour of steel hollow sections filled with concrete that contains OPBC as coarse aggregate. Journal of Constructional Steel Research, 2018, 148, 287-294.	3.9	10
63	Optimization of mixing time for polymer modified asphalt. IOP Conference Series: Materials Science and Engineering, 0, 512, 012030.	0.6	10
64	Predicting the Mechanical Properties of Concrete Using Intelligent Techniques to Reduce CO₂ Emissions. Materiales De Construccion, 2019, 69, 190.	0.7	9
65	Nonlinear Response of Tension Leg Platform Subjected to Wave, Current and Wind Forces. International Journal of Civil Engineering, 2016, 14, 521-533.	2.0	8
66	Combustion of waterborne intumescent flame-retardant coatings with hybrid industrial filler and biofiller. Journal of Coatings Technology Research, 2019, 16, 543-553.	2.5	7
67	Synergistic effect of industrial- and bio-fillers waterborne intumescent hybrid coatings on flame retardancy, physical and mechanical properties. Progress in Organic Coatings, 2020, 149, 105905.	3.9	7
68	Performance of Palm Oil Clinker as a Bio-Filler with Hybrid Fillers in Intumescent Fire Protective Coatings for Steel. Sains Malaysiana, 2017, 46, 2489-2496.	0.5	7
69	Failure Modes of CFRP Flexural Strengthened Steel I-Beams. Key Engineering Materials, 0, 471-472, 590-595.	0.4	5
70	Bolted connections to tubular columns at ambient and elevated temperatures - A review. Steel and Composite Structures, 2016, 21, 303-321.	1.3	5
71	Local Stiffening of Steel I-Beams by Using CFRP Materials. Advanced Materials Research, 0, 163-167, 3838-3843.	0.3	4
72	Effect of axial restraints on top-seat angle connections at elevated temperatures. KSCE Journal of Civil Engineering, 2016, 20, 2375-2383.	1.9	4

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73	Crashworthiness of G4(2W) guardrail system: a finite element parametric study. International Journal of Crashworthiness, 2017, 22, 169-189.	1.9	3
74	Effects of Lateral Bracing and Stiffeners on the CFRP Failure of Strengthened Steel Beams. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012021.	0.6	3
75	Performance of solvent-borne intumescent fire protective coating with Palm oil clinker as novel bio-filler on steel. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012027.	0.6	3
76	Characterizing the Cyclic Behavior of Stiffened SPSWs. KSCE Journal of Civil Engineering, 2019, 23, 1691-1706.	1.9	3
77	Experimental Investigation on Fatigue Behavior of Wide-Flange Steel I-Beams Strengthened Using Different CFRP End Cutting Shapes. International Journal of Steel Structures, 2019, 19, 760-768.	1.3	3
78	Fuzzy multi-objective genetic algorithm in determination of optimum mid connection location of off-centre bracing system. , 2010, , .		2
79	Genetic algorithm in locating the optimum mid-connection of Off-Centre braced system. Structure and Infrastructure Engineering, 2013, 9, 1040-1049.	3.7	2
80	Experimental Studies on End Anchoring of CFRP Strengthened Steel I-Beam. , 2011, , .		2
81	Finite element analysis on the structural behaviour of square CFST beams. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012018.	0.6	1
82	On the behaviour of mid-connection in off-centre bracing system. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2018, 171, 598-610.	0.8	1
83	Investigation of tendon dynamics effects on tension leg platform response in random seas. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2019, 233, 1082-1102.	0.5	1
84	STRUCTURAL PERFORMANCE OF BOLTLESS BEAM END CONNECTORS. , 2017, , 144-159.		1
85	Eccentricity Optimization of NGB System by using Multi-Objective Genetic Algorithm. Journal of Applied Sciences, 2009, 9, 3502-3512.	0.3	1
86	Artificial Intelligence in Designing Non Geometric Brace Systems. , 2009, , .		0