Johnny Ho

List of Publications by Year in descending order

72 papers	3,773 citations	87888 38 h-index	123424 61 g-index
74 all docs	74 docs citations	74 times ranked	890 citing authors

#	Article	IF	Citations
1	A stress-path dependent stress-strain model for FRP-confined concrete. Engineering Structures, 2020, 203, 109824.	5.3	206
2	A path dependent stress-strain model for concrete-filled-steel-tube column. Engineering Structures, 2020, 211, 110312.	5.3	179
3	A theoretical axial stress-strain model for circular concrete-filled-steel-tube columns. Engineering Structures, 2016, 125, 124-143.	5.3	177
4	Confinement effect of ring-confined concrete-filled-steel-tube columns under uni-axial load. Engineering Structures, 2014, 67, 123-141.	5.3	166
5	Fillers to improve passing ability of concrete. Structural Concrete, 2019, 20, 185-197.	3.1	162
6	A path dependent constitutive model for CFFT column. Engineering Structures, 2020, 210, 110367.	5.3	158
7	A constitutive model for predicting the lateral strain of confined concrete. Engineering Structures, 2015, 91, 155-166.	5.3	131
8	Axial and lateral stressâ€“strain model for FRP confined concrete. Engineering Structures, 2015, 99, 285-295.	5.3	126
9	Uni-axial behaviour of externally confined UHSCFST columns. Thin-Walled Structures, 2019, 142, 19-36.	5.3	105
10	Inelastic design of low-axially loaded high-strength reinforced concrete columns. Engineering Structures, 2003, 25, 1083-1096.	5.3	100
11	Improving mechanical behavior and microstructure of concrete by using BOF steel slag aggregate. Construction and Building Materials, 2021, 277, 122269.	7.2	84
12	Effectiveness of adding confinement for ductility improvement of high-strength concrete columns. Engineering Structures, 2010, 32, 714-725.	5.3	83
13	Effect of continuous spirals on uni-axial strength and ductility of CFST columns. Journal of Constructional Steel Research, 2015, 104, 235-249.	3.9	82
14	Length of critical region for confinement steel in limited ductility high-strength reinforced concrete columns. Engineering Structures, 2009, 31, 2896-2908.	5.3	81
15	Axial strengthening of thin-walled concrete-filled-steel-tube columns by circular steel jackets. Thin-Walled Structures, 2015, 97, 11-21.	5.3	70
16	Axial and lateral stressâ€“strain model for circular concrete-filled steel tubes with external steel confinement. Engineering Structures, 2016, 117, 528-541.	5.3	70
17	Behaviour of uni-axially loaded CFST columns confined by tie bars. Journal of Constructional Steel Research, 2013, 83, 37-50.	3.9	68
18	An analysis-based model for axially loaded circular CFST columns. Thin-Walled Structures, 2017, 119, 770-781.	5.3	66

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19	Effect of fillers on the mechanical properties and durability of steel slag concrete. Construction and Building Materials, 2022, 335, 127495.	7.2	66
20	Cause and mitigation of dilatancy in cement powder paste. Construction and Building Materials, 2020, 236, 117595.	7.2	64
21	Interdependence of passing ability, dilatancy and wet packing density of concrete. Construction and Building Materials, 2021, 270, 121440.	7.2	64
22	Dilatancy mitigation of cement powder paste by pozzolanic and inert fillers. Structural Concrete, 2020, 21, 1164-1180.	3.1	62
23	Behaviour of FRP tube-concrete-encased steel composite columns. Composite Structures, 2020, 241, 112139.	5.8	61
24	Experimental investigation on hollow-steel-tube columns with external confinements. Journal of Constructional Steel Research, 2020, 166, 105865.	3.9	60
25	Uni-axial behaviour of expansive CFST and DSCFST stub columns. Engineering Structures, 2021, 237, 112193.	5.3	58
26	Residual properties of steel slag coarse aggregate concrete after exposure to elevated temperatures. Construction and Building Materials, 2022, 316, 125751.	7.2	58
27	Shrinkage, cementitious paste volume, and wet packing density of concrete. Structural Concrete, 2022, 23, 488-504.	3.1	56
28	Shrinkage design model of concrete incorporating wet packing density. Construction and Building Materials, 2021, 280, 122448.	7.2	56
29	Effects of external confinement on structural performance of concrete-filled steel tubes. Journal of Constructional Steel Research, 2017, 132, 72-82.	3.9	55
30	Zeolite to improve strength-shrinkage performance of high-strength engineered cementitious composite. Construction and Building Materials, 2020, 234, 117335.	7.2	52
31	Greener engineered cementitious composite (ECC) â€“ The use of pozzolanic fillers and unoiled PVA fibers. Construction and Building Materials, 2020, 247, 118211.	7.2	52
32	Finite element analysis of concrete-filled steel tube (CFST) columns with circular sections under eccentric load. Engineering Structures, 2017, 148, 387-398.	5.3	47
33	Theoretical analysis of post-peak flexural behaviour of normal- and high-strength concrete beams. Structural Design of Tall and Special Buildings, 2003, 12, 109-125.	1.9	45
34	Finite element analysis of axially loaded FRP-confined rectangular concrete columns. Engineering Structures, 2015, 100, 253-263.	5.3	45
35	Fillers to lessen shear thickening of cement powder paste. Construction and Building Materials, 2017, 142, 268-279.	7.2	45
36	Effect of fillers on the behaviour of heavy-weight concrete made by iron sand. Construction and Building Materials, 2022, 332, 127357.	7.2	44

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37	Improving strength, stiffness and ductility of CFDST columns by external confinement. Thin-Walled Structures, 2014, 75, 18-29.	5.3	41
38	Axial and lateral stress-strain model for concrete-filled steel tubes with FRP jackets. Engineering Structures, 2016, 126, 365-378.	5.3	41
39	Flexural strength and ductility of reinforced concrete beams. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2002, 152, 361-369.	0.8	37
40	Flexural ductility of high-strength concrete columns with minimal confinement. Materials and Structures/Materiaux Et Constructions, 2009, 42, 909-921.	3.1	36
41	Effects of confining stiffness and rupture strain on performance of FRP confined concrete. Engineering Structures, 2015, 97, 1-14.	5.3	35
42	Effect of concrete wet packing density on the uniâ€axial strength of manufactured sand <scp>CFST</scp> columns. Structural Concrete, 2022, 23, 2615-2629.	3.1	35
43	Minimum flexural ductility design of high-strength concrete beams. Magazine of Concrete Research, 2004, 56, 13-22.	2.0	34
44	Axial and lateral stressâ€“strain model for concrete-filled steel tubes. Journal of Constructional Steel Research, 2016, 122, 421-433.	3.9	34
45	Manufacture and behaviour of innovative 3D printed auxetic composite panels subjected to low-velocity impact load. Structures, 2022, 38, 910-933.	3.6	34
46	Dilatancy reversal in superplasticised cementitious mortar. Magazine of Concrete Research, 2021, 73, 828-842.	2.0	32
47	Postâ€fire behavior of steel slag fine aggregate concrete. Structural Concrete, 2022, 23, 3672-3695.	3.1	32
48	Multi-sized fillers to improve strength and flowability of concrete. Advances in Cement Research, 2017, 29, 112-124.	1.6	30
49	Uniaxial behaviour of confined high-strength concrete-filled-steel-tube columns. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2014, 167, 520-533.	0.8	27
50	Fatigue behaviour of composite sandwich beams strengthened with GFRP stiffeners. Engineering Structures, 2020, 214, 110596.	5.3	26
51	Optimal design of external rings for confined CFST columns. Magazine of Concrete Research, 2015, 67, 1017-1032.	2.0	25
52	Limited ductility design of reinforced concrete columns for tall buildings in low to moderate seismicity regions. Structural Design of Tall and Special Buildings, 2011, 20, 102-120.	1.9	22
53	Uni-axial behaviour of normal-strength CFDST columns with external steel rings. Steel and Composite Structures, 2012, 13, 587-606.	1.3	20
54	Effect of fillers on the behaviour of low carbon footprint concrete at and after exposure to elevated temperatures. Journal of Building Engineering, 2022, 51, 104117.	3.4	18

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55	Flexural ductility and deformability of concrete beams incorporating highâ€performance materials. Structural Design of Tall and Special Buildings, 2012, 21, 114-132.	1.9	12
56	Experimental and theoretical studies of confined HSCFST columns under uni-axial compression. Earthquake and Structures, 2014, 7, 527-552.	1.0	12
57	Limestone and silica fume to improve concurrent flowabilityâ€“segregation limits of concrete. Magazine of Concrete Research, 2017, 69, 1189-1202.	2.0	12
58	Filler to improve concurrent flowability and segregation performance of concrete. Australian Journal of Structural Engineering, 2017, 18, 73-85.	1.1	11
59	Effects of concrete grade and steel yield strength on flexural ductility of reinforced concrete beams. Australian Journal of Structural Engineering, 2004, 5, 1-20.	1.1	10
60	Shear thickening of cement powder paste â€“ why and how to mitigate?. HKIE Transactions, 2017, 24, 193-203.	0.1	10
61	A new analysis method for polymer-confined concrete columns. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2016, 169, 892-911.	0.8	7
62	Influence of Transverse Steel Configuration on Post-elastic Behaviour of High-strength Reinforced Concrete Columns. HKIE Transactions, 2003, 10, 1-9.	0.1	6
63	Strain-Gradient-Dependent Stress-Strain Curve for Normal-Strength Concrete. Advances in Structural Engineering, 2013, 16, 1911-1930.	2.4	5
64	Curvature-relevant analysis of eccentrically loaded circular concrete-filled steel tube columns. Magazine of Concrete Research, 2014, 66, 1263-1276.	2.0	5
65	Impact of condensed silica fume on splitting tensile strength and brittleness of high strength selfâ€compacting concrete. Structural Concrete, 2022, 23, 604-618.	3.1	5
66	Impact of Elevated Temperatures on the Performance of High-Strength Engineered Cementitious Composite. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	5
67	Strain gradient effects on flexural strength design of normalâ€strength concrete beams. Structural Design of Tall and Special Buildings, 2013, 22, 29-49.	1.9	3
68	Concurrent flexural strength and ductility design of RC beams via strain-gradient-dependent concrete stress-strain curve. Structural Design of Tall and Special Buildings, 2015, 24, 629-652.	1.9	3
69	A 14-year study on ceramic waste slag-based lightweight aggregate concrete. Construction and Building Materials, 2022, 330, 127152.	7.2	3
70	Impact of Limestone Powder on the Mechanical and Microstructure Properties of Magnesium Oxychloride Cement Pastes. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	1
71	Effects of Using High-strength Concrete on Flexural Ductility of Reinforced Concrete Beams. HKIE Transactions, 2002, 9, 14-21.	0.1	0
72	Deformability design of highâ€performance concrete beams. Structural Design of Tall and Special Buildings, 2013, 22, 729-748.	1.9	0