

Johnny Ho

List of Publications by Year in descending order

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Version: 2024-02-01

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	Shrinkage, cementitious paste volume, and wet packing density of concrete. <i>Structural Concrete</i> , 2022, 23, 488-504.	3.1	56
2	Impact of condensed silica fume on splitting tensile strength and brittleness of high strength self-compacting concrete. <i>Structural Concrete</i> , 2022, 23, 604-618.	3.1	5
3	Residual properties of steel slag coarse aggregate concrete after exposure to elevated temperatures. <i>Construction and Building Materials</i> , 2022, 316, 125751.	7.2	58
4	Effect of concrete wet packing density on the uni-axial strength of manufactured sand <sc>CFST</sc> columns. <i>Structural Concrete</i> , 2022, 23, 2615-2629.	3.1	35
5	Effect of fillers on the behaviour of low carbon footprint concrete at and after exposure to elevated temperatures. <i>Journal of Building Engineering</i> , 2022, 51, 104117.	3.4	18
6	Post-fire behavior of steel slag fine aggregate concrete. <i>Structural Concrete</i> , 2022, 23, 3672-3695.	3.1	32
7	Manufacture and behaviour of innovative 3D printed auxetic composite panels subjected to low-velocity impact load. <i>Structures</i> , 2022, 38, 910-933.	3.6	34
8	A 14-year study on ceramic waste slag-based lightweight aggregate concrete. <i>Construction and Building Materials</i> , 2022, 330, 127152.	7.2	3
9	Effect of fillers on the behaviour of heavy-weight concrete made by iron sand. <i>Construction and Building Materials</i> , 2022, 332, 127357.	7.2	44
10	Effect of fillers on the mechanical properties and durability of steel slag concrete. <i>Construction and Building Materials</i> , 2022, 335, 127495.	7.2	66
11	Impact of Limestone Powder on the Mechanical and Microstructure Properties of Magnesium Oxychloride Cement Pastes. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	1
12	Dilatancy reversal in superplasticised cementitious mortar. <i>Magazine of Concrete Research</i> , 2021, 73, 828-842.	2.0	32
13	Interdependence of passing ability, dilatancy and wet packing density of concrete. <i>Construction and Building Materials</i> , 2021, 270, 121440.	7.2	64
14	Improving mechanical behavior and microstructure of concrete by using BOF steel slag aggregate. <i>Construction and Building Materials</i> , 2021, 277, 122269.	7.2	84
15	Shrinkage design model of concrete incorporating wet packing density. <i>Construction and Building Materials</i> , 2021, 280, 122448.	7.2	56
16	Uni-axial behaviour of expansive CFST and DSCFST stub columns. <i>Engineering Structures</i> , 2021, 237, 112193.	5.3	58
17	Impact of Elevated Temperatures on the Performance of High-Strength Engineered Cementitious Composite. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	5
18	Zeolite to improve strength-shrinkage performance of high-strength engineered cementitious composite. <i>Construction and Building Materials</i> , 2020, 234, 117335.	7.2	52

#	ARTICLE	IF	CITATIONS
19	A stress-path dependent stress-strain model for FRP-confined concrete. <i>Engineering Structures</i> , 2020, 203, 109824.	5.3	206
20	Cause and mitigation of dilatancy in cement powder paste. <i>Construction and Building Materials</i> , 2020, 236, 117595.	7.2	64
21	Behaviour of FRP tube-concrete-encased steel composite columns. <i>Composite Structures</i> , 2020, 241, 112139.	5.8	61
22	Greener engineered cementitious composite (ECC) – The use of pozzolanic fillers and uncoiled PVA fibers. <i>Construction and Building Materials</i> , 2020, 247, 118211.	7.2	52
23	A path dependent constitutive model for CFFT column. <i>Engineering Structures</i> , 2020, 210, 110367.	5.3	158
24	Dilatancy mitigation of cement powder paste by pozzolanic and inert fillers. <i>Structural Concrete</i> , 2020, 21, 1164-1180.	3.1	62
25	A path dependent stress-strain model for concrete-filled-steel-tube column. <i>Engineering Structures</i> , 2020, 211, 110312.	5.3	179
26	Fatigue behaviour of composite sandwich beams strengthened with GFRP stiffeners. <i>Engineering Structures</i> , 2020, 214, 110596.	5.3	26
27	Experimental investigation on hollow-steel-tube columns with external confinements. <i>Journal of Constructional Steel Research</i> , 2020, 166, 105865.	3.9	60
28	Fillers to improve passing ability of concrete. <i>Structural Concrete</i> , 2019, 20, 185-197.	3.1	162
29	Uni-axial behaviour of externally confined UHSCFST columns. <i>Thin-Walled Structures</i> , 2019, 142, 19-36.	5.3	105
30	Effects of external confinement on structural performance of concrete-filled steel tubes. <i>Journal of Constructional Steel Research</i> , 2017, 132, 72-82.	3.9	55
31	Multi-sized fillers to improve strength and flowability of concrete. <i>Advances in Cement Research</i> , 2017, 29, 112-124.	1.6	30
32	Fillers to lessen shear thickening of cement powder paste. <i>Construction and Building Materials</i> , 2017, 142, 268-279.	7.2	45
33	Limestone and silica fume to improve concurrent flowability – segregation limits of concrete. <i>Magazine of Concrete Research</i> , 2017, 69, 1189-1202.	2.0	12
34	An analysis-based model for axially loaded circular CFST columns. <i>Thin-Walled Structures</i> , 2017, 119, 770-781.	5.3	66
35	Filler to improve concurrent flowability and segregation performance of concrete. <i>Australian Journal of Structural Engineering</i> , 2017, 18, 73-85.	1.1	11
36	Finite element analysis of concrete-filled steel tube (CFST) columns with circular sections under eccentric load. <i>Engineering Structures</i> , 2017, 148, 387-398.	5.3	47

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37	Shear thickening of cement powder paste – why and how to mitigate?. HKIE Transactions, 2017, 24, 193-203.	0.1	10
38	Axial and lateral stress-strain model for circular concrete-filled steel tubes with external steel confinement. Engineering Structures, 2016, 117, 528-541.	5.3	70
39	Axial and lateral stress-strain model for concrete-filled steel tubes with FRP jackets. Engineering Structures, 2016, 126, 365-378.	5.3	41
40	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
41	A theoretical axial stress-strain model for circular concrete-filled-steel-tube columns. Engineering Structures, 2016, 125, 124-143.	5.3	177
42	Axial and lateral stress-strain model for concrete-filled steel tubes. Journal of Constructional Steel Research, 2016, 122, 421-433.	3.9	34
43	Optimal design of external rings for confined CFST columns. Magazine of Concrete Research, 2015, 67, 1017-1032.	2.0	25
44	Finite element analysis of axially loaded FRP-confined rectangular concrete columns. Engineering Structures, 2015, 100, 253-263.	5.3	45
45	Effects of confining stiffness and rupture strain on performance of FRP confined concrete. Engineering Structures, 2015, 97, 1-14.	5.3	35
46	A constitutive model for predicting the lateral strain of confined concrete. Engineering Structures, 2015, 91, 155-166.	5.3	131
47	Axial and lateral stress-strain model for FRP confined concrete. Engineering Structures, 2015, 99, 285-295.	5.3	126
48	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
49	Axial strengthening of thin-walled concrete-filled-steel-tube columns by circular steel jackets. Thin-Walled Structures, 2015, 97, 11-21.	5.3	70
50	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
51	Curvature-relevant analysis of eccentrically loaded circular concrete-filled steel tube columns. Magazine of Concrete Research, 2014, 66, 1263-1276.	2.0	5
52	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
53	Experimental and theoretical studies of confined HSCFST columns under uni-axial compression. Earthquake and Structures, 2014, 7, 527-552.	1.0	12
54	Improving strength, stiffness and ductility of CFDST columns by external confinement. Thin-Walled Structures, 2014, 75, 18-29.	5.3	41

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55	Confinement effect of ring-confined concrete-filled-steel-tube columns under uni-axial load. <i>Engineering Structures</i> , 2014, 67, 123-141.	5.3	166
56	Strain gradient effects on flexural strength design of normal-strength concrete beams. <i>Structural Design of Tall and Special Buildings</i> , 2013, 22, 29-49.	1.9	3
57	Deformability design of high-performance concrete beams. <i>Structural Design of Tall and Special Buildings</i> , 2013, 22, 729-748.	1.9	0
58	Behaviour of uni-axially loaded CFST columns confined by tie bars. <i>Journal of Constructional Steel Research</i> , 2013, 83, 37-50.	3.9	68
59	Strain-Gradient-Dependent Stress-Strain Curve for Normal-Strength Concrete. <i>Advances in Structural Engineering</i> , 2013, 16, 1911-1930.	2.4	5
60	Flexural ductility and deformability of concrete beams incorporating high-performance materials. <i>Structural Design of Tall and Special Buildings</i> , 2012, 21, 114-132.	1.9	12
61	Uni-axial behaviour of normal-strength CFDST columns with external steel rings. <i>Steel and Composite Structures</i> , 2012, 13, 587-606.	1.3	20
62	Limited ductility design of reinforced concrete columns for tall buildings in low to moderate seismicity regions. <i>Structural Design of Tall and Special Buildings</i> , 2011, 20, 102-120.	1.9	22
63	Effectiveness of adding confinement for ductility improvement of high-strength concrete columns. <i>Engineering Structures</i> , 2010, 32, 714-725.	5.3	83
64	Length of critical region for confinement steel in limited ductility high-strength reinforced concrete columns. <i>Engineering Structures</i> , 2009, 31, 2896-2908.	5.3	81
65	Flexural ductility of high-strength concrete columns with minimal confinement. <i>Materials and Structures/Materiaux Et Constructions</i> , 2009, 42, 909-921.	3.1	36
66	Effects of concrete grade and steel yield strength on flexural ductility of reinforced concrete beams. <i>Australian Journal of Structural Engineering</i> , 2004, 5, 1-20.	1.1	10
67	Minimum flexural ductility design of high-strength concrete beams. <i>Magazine of Concrete Research</i> , 2004, 56, 13-22.	2.0	34
68	Inelastic design of low-axially loaded high-strength reinforced concrete columns. <i>Engineering Structures</i> , 2003, 25, 1083-1096.	5.3	100
69	Theoretical analysis of post-peak flexural behaviour of normal- and high-strength concrete beams. <i>Structural Design of Tall and Special Buildings</i> , 2003, 12, 109-125.	1.9	45
70	Influence of Transverse Steel Configuration on Post-elastic Behaviour of High-strength Reinforced Concrete Columns. <i>HKIE Transactions</i> , 2003, 10, 1-9.	0.1	6
71	Effects of Using High-strength Concrete on Flexural Ductility of Reinforced Concrete Beams. <i>HKIE Transactions</i> , 2002, 9, 14-21.	0.1	0
72	Flexural strength and ductility of reinforced concrete beams. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2002, 152, 361-369.	0.8	37