

# Jingming Cai

## List of Publications by Year in descending order

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44  
papers

1,134  
citations

411340  
20  
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445137  
33  
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44  
all docs

44  
docs citations

44  
times ranked

684  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of reinforcement configurations on the flexural behaviors of 3D printed fiber reinforced cementitious composite (FRCC) beams. <i>Journal of Building Engineering</i> , 2022, 46, 103773.	1.6	3
2	Self-sensing properties and piezoresistive effect of high ductility cementitious composite. <i>Construction and Building Materials</i> , 2022, 323, 126390.	3.2	20
3	Low-energy impact behavior of ambient cured engineered geopolymer composites. <i>Ceramics International</i> , 2022, 48, 9378-9389.	2.3	15
4	Mechanical Behaviors of Metakaolin-Based Engineered Geopolymer Composite under Ambient Curing Condition. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	14
5	Recycling of unseparated construction and demolition waste (UCDW) through geopolymer technology. <i>Construction and Building Materials</i> , 2022, 341, 127771.	3.2	24
6	Co-disposal of construction and demolition waste (CDW) and municipal solid waste incineration fly ash (MSWI FA) through geopolymer technology. <i>Journal of Cleaner Production</i> , 2022, 362, 132502.	4.6	36
7	Impact resistance of engineered geopolymer composite (EGC) in cold temperatures. <i>Construction and Building Materials</i> , 2022, 343, 128150.	3.2	7
8	Mechanical behaviour of ECC ring beam connections under square local compressive loading. <i>Journal of Building Engineering</i> , 2021, 34, 101741.	1.6	1
9	Bond performance of deformed steel rebars in HSC incorporating industrially produced recycled concrete aggregate. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	1.3	8
10	Mechanical behavior of RC and ECC/RC composite frames under reversed cyclic loading. <i>Journal of Building Engineering</i> , 2021, 35, 102036.	1.6	10
11	Mechanical behaviour of a new ECC-encased CFST column to RC beam connection under cyclic loading. <i>Engineering Structures</i> , 2021, 234, 111915.	2.6	22
12	Mechanical properties of engineered cementitious composites beams fabricated by extrusion-based 3D printing. <i>Engineering Structures</i> , 2021, 238, 112201.	2.6	29
13	Thermoelectric properties of geopolymers with the addition of nano-silicon carbide (SiC) powder. <i>Ceramics International</i> , 2021, 47, 19752-19759.	2.3	18
14	Experimental study on the hysteresis behavior of L-shaped double-skin composite wall with concrete-filled steel tubes. <i>Engineering Structures</i> , 2021, 245, 112965.	2.6	7
15	Local web buckling of CFRP reinforced single-coped beam with slender web. <i>Engineering Structures</i> , 2021, 247, 113224.	2.6	3
16	Study on the conductivity of carbon fiber self-sensing high ductility cementitious composite. <i>Journal of Building Engineering</i> , 2021, 43, 103125.	1.6	8
17	The influence of rounded corners on the performance of single-coped beam with slender web. <i>Structures</i> , 2021, 34, 4297-4307.	1.7	1
18	Impact behaviours of engineered geopolymer composite exposed to elevated temperatures. <i>Construction and Building Materials</i> , 2021, 312, 125421.	3.2	26

#	ARTICLE	IF	CITATIONS
19	Nonlinear analysis of circular concrete-filled steel tube columns under eccentric loading. Magazine of Concrete Research, 2020, 72, 292-303.	0.9	10
20	Electrical resistivity of fly ash and metakaolin based geopolymers. Construction and Building Materials, 2020, 234, 117868.	3.2	54
21	Thermoelectric behaviors of fly ash and metakaolin based geopolymer. Construction and Building Materials, 2020, 237, 117757.	3.2	27
22	A review on carbon-based self-sensing cementitious composites. Construction and Building Materials, 2020, 265, 120764.	3.2	74
23	Development of eco-friendly geopolymers with ground mixed recycled aggregates and slag. Journal of Cleaner Production, 2020, 256, 120369.	4.6	71
24	Feasibility of using microwave curing to enhance the compressive strength of mixed recycled aggregate powder based geopolymer. Construction and Building Materials, 2020, 262, 120897.	3.2	21
25	Behavior of geopolymeric recycled aggregate concrete-filled FRP tube (GRACFFT) columns under lateral cyclic loading. Engineering Structures, 2020, 222, 111047.	2.6	31
26	Experimental study on local compressive behaviour of ECC ring beam connections. Structures, 2020, 27, 2069-2081.	1.7	4
27	Nonlinear finite-element analysis for hysteretic behavior of ECC-encased CFST columns. Structures, 2020, 25, 670-682.	1.7	23
28	Fly ash-based geopolymer with self-heating capacity for accelerated curing. Journal of Cleaner Production, 2020, 261, 121119.	4.6	13
29	Thermal and compressive behaviors of fly ash and metakaolin-based geopolymer. Journal of Building Engineering, 2020, 30, 101307.	1.6	44
30	Behavior of ECC-encased CFST columns under eccentric loading. Journal of Building Engineering, 2020, 30, 101188.	1.6	6
31	Bond behaviours of deformed steel rebars in engineered cementitious composites (ECC) and concrete. Construction and Building Materials, 2020, 252, 119082.	3.2	43
32	Nonlinear analysis of ECC-encased CFST columns under axial compression. Journal of Building Engineering, 2020, 31, 101401.	1.6	10
33	Numerical analysis of circular and square section concrete filled aluminum tubes under axial compression. Frattura Ed Integrita Strutturale, 2020, 14, 169-181.	0.5	0
34	Analysis of Concrete-Filled Square Steel Tube Short Columns under Eccentric Loading. Mathematical Problems in Engineering, 2019, 2019, 1-12.	0.6	4
35	Mechanical behavior of flat CFST column to steel beam joints under reversed cyclic loading. Engineering Structures, 2019, 198, 109540.	2.6	9
36	Seismic performance of precast RC and RC/ECC composite columns with grouted sleeve connections. Engineering Structures, 2019, 188, 104-110.	2.6	59

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37	Development of Multiscale Fiber-Reinforced Engineered Cementitious Composites with PVA Fiber and CaCO <sub>3</sub> Whisker. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	44
38	Mechanical behavior of ECC-encased CFST columns subjected to eccentric loading. Engineering Structures, 2018, 162, 22-28.	2.6	35
39	Behavior of ECC-encased CFST columns under axial compression. Engineering Structures, 2018, 171, 1-9.	2.6	59
40	Experimental study on the hysteretic behavior of ECC-encased CFST columns. Engineering Structures, 2018, 173, 107-121.	2.6	45
41	CaCO <sub>3</sub> whisker modified Engineered Cementitious Composite with local ingredients. Construction and Building Materials, 2017, 151, 1-8.	3.2	64
42	Flexural behavior of basalt FRP reinforced ECC and concrete beams. Construction and Building Materials, 2017, 142, 423-430.	3.2	68
43	Failure mechanism of full-size concrete filled steel circle and square tubes under uniaxial compression. Science China Technological Sciences, 2015, 58, 1638-1647.	2.0	6
44	Mechanical behavior of steel-reinforced concrete-filled steel tubular (SRCFST) columns under uniaxial compressive loading. Thin-Walled Structures, 2015, 97, 1-10.	2.7	58