

# Shi-Shun Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8243019/publications.pdf>

Version: 2024-02-01

35  
papers

839  
citations

471509

17  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using digital image correlation to evaluate the bond between carbon fibre-reinforced polymers and timber. <i>Structural Health Monitoring</i> , 2022, 21, 534-557.	7.5	11
2	Influence of salt fog and ambient condition exposure on CFRP-to-steel bonded joints. <i>Composite Structures</i> , 2022, 280, 114874.	5.8	10
3	A review on the behaviour of reinforced concrete beams with fibre-reinforced polymer-strengthened web openings. <i>Advances in Structural Engineering</i> , 2022, 25, 426-450.	2.4	6
4	A review on corrosion detection and protection of existing reinforced concrete (RC) structures. <i>Construction and Building Materials</i> , 2022, 325, 126718.	7.2	78
5	Chloride-binding capacity of cement-GGBFS-nanosilica composites under seawater chloride-rich environment. <i>Construction and Building Materials</i> , 2022, 342, 127890.	7.2	19
6	Strengths of RC beams with a fibre-reinforced polymer (FRP)-strengthened web opening. <i>Composite Structures</i> , 2021, 258, 113380.	5.8	10
7	Circular fibre-reinforced polymer (FRP)-concrete-steel hybrid multitube concrete columns: Compressive behaviour. <i>Construction and Building Materials</i> , 2021, 272, 121609.	7.2	6
8	Integrated self-sensing and self-healing cementitious composite with microencapsulation of nano-carbon black and slaked lime. <i>Materials Letters</i> , 2021, 282, 128834.	2.6	34
9	Experimental calibration of the bond-slip relationship of different CFRP-to-timber joints through digital image correlation measurements. <i>Composites Part C: Open Access</i> , 2021, 4, 100099.	3.2	6
10	Determination of fracture toughness of an adhesive in civil engineering and interfacial damage analysis of carbon fiber reinforced polymer-steel structure bonded joints. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2423-2440.	1.1	3
11	Effect of mechanical anchorage on the bond performance of double overlapped CFRP-to-steel joints. <i>Composite Structures</i> , 2021, 267, 113902.	5.8	16
12	On the FE modelling of RC beams with a fibre-reinforced polymer (FRP)-strengthened web opening. <i>Composite Structures</i> , 2021, 271, 114161.	5.8	6
13	FRP-Confined concrete-encased cross-shaped steel columns: Effects of key parameters. <i>Composite Structures</i> , 2021, 272, 114252.	5.8	13
14	A nonlinear beam-spring-beam element for modelling the flexural behaviour of a timber-concrete sandwich panel with a cellular core. <i>Engineering Structures</i> , 2021, 244, 112785.	5.3	4
15	Performance deterioration of fly ash/slag-based geopolymer composites subjected to coupled cyclic preloading and sulfuric acid attack. <i>Journal of Cleaner Production</i> , 2021, 321, 128942.	9.3	32
16	Compressive behaviour of slender FRP-confined concrete-encased cross-shaped steel columns. <i>Construction and Building Materials</i> , 2020, 258, 120356.	7.2	19
17	Behaviour of RC beams with a fibre-reinforced polymer (FRP)-strengthened web opening. <i>Composite Structures</i> , 2020, 252, 112684.	5.8	15
18	Mechanical strength and self-sensing capacity of smart cementitious composite containing conductive rubber crumbs. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 1325-1340.	2.5	29

#	ARTICLE	IF	CITATIONS
19	Strengthening of RC beams with rectangular web openings using externally bonded FRP: Numerical simulation. <i>Composite Structures</i> , 2020, 248, 112552.	5.8	19
20	The strong column-weak beam design philosophy in reinforced concrete frame structures: A literature review. <i>Advances in Structural Engineering</i> , 2020, 23, 3566-3591.	2.4	6
21	Circular hybrid double-skin tubular columns with a stiffener-reinforced steel inner tube and a large-rupture-strain FRP outer tube: Compressive behavior. <i>Thin-Walled Structures</i> , 2020, 155, 106946.	5.3	33
22	Compressive behaviour of FRP-confined rubber concrete. <i>Construction and Building Materials</i> , 2019, 211, 416-426.	7.2	60
23	Compressive behaviour of square fibre-reinforced polymer-concrete-steel hybrid multi-tube concrete columns. <i>Advances in Structural Engineering</i> , 2018, 21, 1162-1172.	2.4	11
24	Steel-free hybrid reinforcing bars for concrete structures. <i>Advances in Structural Engineering</i> , 2018, 21, 2617-2622.	2.4	19
25	Bond strength model for near-surface mounted (NSM) FRP bonded joints: Effect of concrete edge distance. <i>Composite Structures</i> , 2018, 201, 664-675.	5.8	18
26	Compressive behaviour of large rupture strain FRP-confined concrete-encased steel columns. <i>Construction and Building Materials</i> , 2018, 183, 513-522.	7.2	56
27	Compressive behavior of hybrid double-skin tubular columns with a large rupture strain FRP tube. <i>Composite Structures</i> , 2017, 171, 10-18.	5.8	81
28	FRP-confined concrete-encased cross-shaped steel columns: Concept and behaviour. <i>Engineering Structures</i> , 2017, 152, 348-358.	5.3	44
29	Effect of groove spacing on bond strength of near-surface mounted (NSM) bonded joints with multiple FRP strips. <i>Construction and Building Materials</i> , 2017, 155, 103-113.	7.2	16
30	Fibre-reinforced polymer strengthening and fibre Bragg grating-based monitoring of reinforced concrete cantilever slabs with insufficient anchorage length of steel bars. <i>Advances in Structural Engineering</i> , 2017, 20, 1684-1698.	2.4	2
31	Compressive behavior of FRP-confined concrete-encased steel columns. <i>Composite Structures</i> , 2016, 154, 493-506.	5.8	58
32	Analytical solution for interaction forces in beams strengthened with near-surface mounted round bars. <i>Construction and Building Materials</i> , 2016, 106, 189-197.	7.2	12
33	Evaluation of the structural integrity of the CPR1000 PWR containment under steam explosion accidents. <i>Nuclear Engineering and Design</i> , 2014, 278, 632-643.	1.7	19
34	Bond-slip model for CFRP strips near-surface mounted to concrete. <i>Engineering Structures</i> , 2013, 56, 945-953.	5.3	68
35	Development and Verification of Severe Accident Simulation Capability for a NPP Simulator. , 2013, , .		0