Hong Zhu

List of Publications by Year
in descending order

41 papers	1,260 citations	279798 23 h-index	361022 35 g-index
41 all docs	41 docs citations	41 times ranked	524 citing authors

#	Article	IF	Citations
1	Design and properties of seawater coral aggregate alkali-activated concrete. Journal of Sustainable Cement-Based Materials, 2022, 11, 187-201.	3.1	14
2	Mechanical properties and drying shrinkage of alkali-activated seawater coral aggregate concrete. Journal of Sustainable Cement-Based Materials, 2022, 11, 408-417.	3.1	12
3	Innovative additional aluminum alloy ribs anchorage for improving the bond reliability of pretensioned CFRP bar: A feasibility study. Composite Structures, 2022, 280, 114817.	5.8	10
4	Enhancement of Bond Performance of FRP Bars with Seawater Coral Aggregate Concrete by Utilizing Ecoefficient Slag-Based Alkali-Activated Materials. Journal of Composites for Construction, 2022, 26, .	3.2	39
5	Shrinkage mechanisms and shrinkage-mitigating strategies of alkali-activated slag composites: A critical review. Construction and Building Materials, 2022, 318, 125993.	7.2	84
6	A review on shrinkage-reducing methods and mechanisms of alkali-activated/geopolymer systems: Effects of chemical additives. Journal of Building Engineering, 2022, 49, 104056.	3.4	27
7	Fatigue performance of CFRP reinforced pretensioned prestressed beams. Construction and Building Materials, 2022, 324, 126509.	7.2	6
8	Exploratory study on the short- and long-term bond between ribbed CFRP bars and additional aluminum alloy ribs anchorage. Construction and Building Materials, 2022, 325, 126528.	7.2	5
9	Identification of the bond between ribbed CFRP bars and novel ARs anchorage. Construction and Building Materials, 2022, 327, 126811.	7.2	3
10	Bond enhancement for BFRP bar in concrete by using a resin-filled FRP tube anchorage. Structures, 2022, 39, 1107-1117.	3.6	4
11	Short- and long-term performance of the novel additional aluminum alloy ribs anchored CFRP reinforced pretensioned PC beams. Engineering Structures, 2022, 266, 114539.	5.3	6
12	Bond-slip behaviour of the CFRP ribbed bars anchored with the innovative additional ribs in concrete. Composite Structures, 2021, 262, 113595.	5.8	19
13	Feasibility of using geopolymers to investigate the bond behavior of FRP bars in seawater sea-sand concrete. Construction and Building Materials, 2021, 282, 122636.	7.2	39
14	Optimization of mix proportion of alkali-activated slag mortars prepared with seawater and coral sand. Construction and Building Materials, 2021, 284, 122805.	7.2	47
15	Bond and flexural performance of basalt fiberâ€“reinforced polymer barâ€“reinforced seawater sea sand glass aggregate concrete beams. Advances in Structural Engineering, 2021, 24, 3359-3374.	2.4	7
16	Flexural behavior of seawater sea-sand concrete beams reinforced with BFRP bars/grids and BFRP-wrapped steel tubes. Composite Structures, 2021, 268, 113956.	5.8	27
17	Compressive stress-strain behavior of seawater coral aggregate concrete incorporating eco-efficient alkali-activated slag materials. Construction and Building Materials, 2021, 299, 123886.	7.2	47
18	Fracture properties of slag-based alkali-activated seawater coral aggregate concrete. Theoretical and Applied Fracture Mechanics, 2021, 115, 103071.	4.7	26

#	Article	IF	Citations
19	A review of the research and application progress of new types of concrete-filled FRP tubular members. Construction and Building Materials, 2021, 312, 125353.	7.2	24
20	The durability of seawater sea-sand concrete beams reinforced with metal bars or non-metal bars in the ocean environment. Advances in Structural Engineering, 2020, 23, 334-347.	2.4	23
21	Flexural behavior of seawater sea-sand coral concreteâ€“UHPC composite beams reinforced with BFRP bars. Construction and Building Materials, 2020, 265, 120279.	7.2	51
22	Mechanism and control of the long-term performance evolution of structures. Frontiers of Structural and Civil Engineering, 2020, 14, 1039-1048.	2.9	2
23	Performance evaluation and microstructure characterization of seawater and coral/sea sand alkali-activated mortars. Construction and Building Materials, 2020, 259, 120403.	7.2	53
24	Anchorage systems for reinforced concrete structures strengthened with fiber-reinforced polymer composites: State-of-the-art review. Journal of Reinforced Plastics and Composites, 2020, 39, 327-344.	3.1	35
25	Influence of specimen dimensions and reinforcement corrosion on bond performance of steel bars in concrete. Advances in Structural Engineering, 2020, 23, 1759-1771.	2.4	14
26	Bond enhancement for NSM FRP bars in concrete using different anchorage systems. Construction and Building Materials, 2020, 246, 118316.	7.2	17
27	Improvement of bond performance between concrete and CFRP bars with optimized additional aluminum ribs anchorage. Construction and Building Materials, 2020, 241, 118012.	7.2	36
28	Mechanical properties of discrete BFRP needles reinforced seawater sea-sand concrete-filled GFRP tubular stub columns. Construction and Building Materials, 2020, 244, 118330.	7.2	51
29	Evaluation of bond performance of corroded steel bars in concrete after high temperature exposure. Engineering Structures, 2019, 198, 109479.	5.3	45
30	Bond performance of NSM FRP bars in concrete with an innovative additional ribs anchorage system: An experimental study. Construction and Building Materials, 2019, 207, 572-584.	7.2	28
31	Sensing Properties of Fused Silica Single-Mode Optical Fibers Based on PPP-BOTDA in High-Temperature Fields. Sensors, 2019, 19, 5021.	3.8	6
32	Fire Resistance of Strengthened RC Members Using NSM CFRP Bars with a Cladding Layer. Journal of Composites for Construction, 2019, 23, .	3.2	6
33	Durability test on the flexural performance of seawater sea-sand concrete beams completely reinforced with FRP bars. Construction and Building Materials, 2018, 192, 671-682.	7.2	129
34	Bond durability of steel-FRP composite bars embedded in seawater sea-sand concrete under constant bending and shearing stress. Construction and Building Materials, 2018, 192, 808-817.	7.2	69
35	Experimental study on the enhancement of additional ribs to the bond performance of FRP bars in concrete. Construction and Building Materials, 2018, 185, 545-554.	7.2	44
36	Experimental Evaluation of Bent FRP Tendons for Strengthening by External Prestressing. Journal of Composites for Construction, 2017, 21, .	3.2	9

#	Article	IF	Citations
37	Shear Capacity Comparison of Four Different Composite Interfaces between FRP Plates and Concrete Substrate. Journal of Composites for Construction, 2016, 20, .	3.2	11
38	Digital image correlation measurement of the bondâ€“slip relationship between fiber-reinforced polymer sheets and concrete substrate. Journal of Reinforced Plastics and Composites, 2014, 33, 1590-1603.	3.1	26
39	Bond Behavior between Basalt Fiberâ€“Reinforced Polymer Sheet and Concrete Substrate under the Coupled Effects of Freeze-Thaw Cycling and Sustained Load. Journal of Composites for Construction, 2013, 17, 530-542.	3.2	106
40	Health Monitoring of Rehabilitated Concrete Bridges Using Distributed Optical Fiber Sensing. Computer-Aided Civil and Infrastructure Engineering, 2006, 21, 411-424.	9.8	53
41	Study on mechanical properties of seawater sea-sand coral aggregate concrete-filled BFRP tubular arches. Advances in Structural Engineering, 0, , 136943322210805.	2.4	0