

Dong Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

248
citations

9
h-index

15
g-index

18
ext. papers

399
ext. citations

6.9
avg, IF

4.57
L-index

#	Paper	IF	Citations
17	Printability and fire performance of a developed 3D printable fibre reinforced cementitious composites under elevated temperatures. <i>Virtual and Physical Prototyping</i> , 2019 , 14, 284-292	10.1	45
16	On the mechanism of prevention of explosive spalling in ultra-high performance concrete with polymer fibers. <i>Cement and Concrete Research</i> , 2018 , 113, 169-177	10.3	43
15	Multi-response optimization of post-fire performance of strain hardening cementitious composite. <i>Cement and Concrete Composites</i> , 2017 , 80, 80-90	8.6	37
14	Effect of natural fibers on thermal spalling resistance of ultra-high performance concrete. <i>Cement and Concrete Composites</i> , 2020 , 109, 103512	8.6	33
13	Effect of various polymer fibers on spalling mitigation of ultra-high performance concrete at high temperature. <i>Cement and Concrete Composites</i> , 2020 , 114, 103815	8.6	23
12	Spalling resistance and mechanical properties of strain-hardening ultra-high performance concrete at elevated temperature. <i>Construction and Building Materials</i> , 2021 , 266, 120961	6.7	17
11	Effect of lateral restraint and inclusion of polypropylene and steel fibers on spalling behavior, pore pressure, and thermal stress in ultra-high-performance concrete (UHPC) at elevated temperature. <i>Construction and Building Materials</i> , 2021 , 271, 121879	6.7	15
10	Effect of spatial distribution of polymer fibers on preventing spalling of UHPC at high temperatures. <i>Cement and Concrete Research</i> , 2021 , 140, 106281	10.3	13
9	Combined effect of flax fibers and steel fibers on spalling resistance of ultra-high performance concrete at high temperature. <i>Cement and Concrete Composites</i> , 2021 , 121, 104067	8.6	10
8	Effect of microbially induced calcite precipitation treatment on the bonding properties of steel fiber in ultra-high performance concrete. <i>Journal of Building Engineering</i> , 2022 , 50, 104132	5.2	7
7	On measuring techniques of pore pressure in concrete at elevated temperature. <i>Cement and Concrete Composites</i> , 2020 , 114, 103737	8.6	4
6	A new in-situ growth strategy to achieve high performance graphene-based cement material. <i>Construction and Building Materials</i> , 2022 , 335, 127451	6.7	1
5	Axial compressive behaviors of reinforced concrete composite column with precast ultra-high performance concrete (UHPC) jacket. <i>Journal of Building Engineering</i> , 2022 , 48, 103956	5.2	0
4	Investigation on the quasi-static mechanical properties and dynamic compressive behaviors of ultra-high performance concrete with crumbed rubber powders. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022 , 55, 1	3.4	0
3	Fire performance of ultra-high performance concrete: effect of fine aggregate size and fibers. <i>Archives of Civil and Mechanical Engineering</i> , 2022 , 22, 1	3.4	0
2	Enhancing mechanical properties of engineering cementitious composite by defoamer. <i>Construction and Building Materials</i> , 2022 , 339, 127670	6.7	0
1	Enhancing splitting tensile strength of biocarbonated reactive magnesia-based sand using polypropylene fiber reinforcement. <i>Acta Geotechnica</i> , 1	4.9	

