Dong Zhang

List of Publications by Year in Descending Order

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