

# Dong Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

595  
citations

758635

12  
h-index

887659

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

354  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.6	5
2	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.	1.6	37
3	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.	1.3	4
4	Enhancing splitting tensile strength of biocarbonated reactive magnesia-based sand using polypropylene fiber reinforcement. <i>Acta Geotechnica</i> , 2022, 17, 4761-4768.	2.9	1
5	A new in-situ growth strategy to achieve high performance graphene-based cement material. <i>Construction and Building Materials</i> , 2022, 335, 127451.	3.2	16
6	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.	1.9	7
7	Enhancing mechanical properties of engineering cementitious composite by defoamer. <i>Construction and Building Materials</i> , 2022, 339, 127670.	3.2	5
8	Effects of fibers on the mechanical properties of UHPC: A review. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2022, 9, 363-387.	2.0	17
9	Effect of spatial distribution of polymer fibers on preventing spalling of UHPC at high temperatures. <i>Cement and Concrete Research</i> , 2021, 140, 106281.	4.6	33
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. <i>Construction and Building Materials</i> , 2021, 271, 121879.	3.2	35
11	Spalling resistance and mechanical properties of strain-hardening ultra-high performance concrete at elevated temperature. <i>Construction and Building Materials</i> , 2021, 266, 120961.	3.2	48
12	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.	4.6	43
13	Effect of natural fibers on thermal spalling resistance of ultra-high performance concrete. <i>Cement and Concrete Composites</i> , 2020, 109, 103512.	4.6	76
14	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.	4.6	59
15	On measuring techniques of pore pressure in concrete at elevated temperature. <i>Cement and Concrete Composites</i> , 2020, 114, 103737.	4.6	10
16	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.	5.3	55
17	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.	4.6	95
18	Multi-response optimization of post-fire performance of strain hardening cementitious composite. <i>Cement and Concrete Composites</i> , 2017, 80, 80-90.	4.6	49