

Chaojun Wan

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

897
citations

759233

12
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Ultra-High Performance Concrete with common technology and materials. Cement and Concrete Composites, 2012, 34, 538-544.	10.7	253
2	Facile synthesis of a novel transparent hyperbranched phosphorous/nitrogen-containing flame retardant and its application in reducing the fire hazard of epoxy resin. Journal of Hazardous Materials, 2019, 379, 120793.	12.4	137
3	Mechanical, thermal and fire performance of an inorganic-organic insulation material composed of hollow glass microspheres and phenolic resin. Journal of Colloid and Interface Science, 2018, 530, 163-170.	9.4	119
4	Comparison of flexural property between high performance polypropylene fiber reinforced lightweight aggregate concrete and steel fiber reinforced lightweight aggregate concrete. Construction and Building Materials, 2017, 157, 729-736.	7.2	68
5	A mix-design method for lightweight aggregate self-compacting concrete based on packing and mortar film thickness theories. Construction and Building Materials, 2017, 157, 621-634.	7.2	47
6	Microstructure-based modelling of drying shrinkage and microcracking of cement paste at high relative humidity. Construction and Building Materials, 2016, 126, 410-425.	7.2	46
7	Effect of aggregate saturation degree on the freeze-thaw resistance of high performance polypropylene fiber lightweight aggregate concrete. Construction and Building Materials, 2017, 145, 367-375.	7.2	46
8	Numerical modeling of drying shrinkage deformation of cement-based composites by coupling multiscale structure model with 3D lattice analyses. Computers and Structures, 2017, 178, 88-104.	4.4	43
9	Mesoscopic study on axial compressive damage of steel fiber reinforced lightweight aggregate concrete. Construction and Building Materials, 2019, 196, 14-25.	7.2	35
10	Study on mixture design method and mechanical properties of steel fiber reinforced self-compacting lightweight aggregate concrete. Construction and Building Materials, 2021, 267, 121019.	7.2	31
11	Density Effect on Flame Retardancy, Thermal Degradation, and Combustibility of Rigid Polyurethane Foam Modified by Expandable Graphite or Ammonium Polyphosphate. Polymers, 2019, 11, 668.	4.5	25
12	Flexural toughness and evaluation method of steel fiber reinforced self-compacting lightweight aggregate concrete. Construction and Building Materials, 2021, 277, 122297.	7.2	25
13	Fracture property of polypropylene fibre-reinforced lightweight concrete at high temperatures. Magazine of Concrete Research, 2020, 72, 1147-1154.	2.0	11
14	Mixture design method of self-compacting lightweight aggregate concrete based on rheological property and strength of mortar. Journal of Building Engineering, 2021, 43, 102660.	3.4	7
15	An effective approach to reducing fire hazards of rigid polyurethane foam: fire protective coating. Journal of Coatings Technology Research, 2019, 16, 257-261.	2.5	4