Chaojun Wan

List of Publications by Year
in descending order

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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	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
2	Flexural toughness and evaluation method of steel fiber reinforced self-compacting lightweight aggregate concrete. Construction and Building Materials, 2021, 277, 122297.	7.2	25
3	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
4	Fracture property of polypropylene fibre-reinforced lightweight concrete at high temperatures. Magazine of Concrete Research, 2020, 72, 1147-1154.	2.0	11
5	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
6	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
7	Mesoscopic study on axial compressive damage of steel fiber reinforced lightweight aggregate concrete. Construction and Building Materials, 2019, 196, 14-25.	7.2	35
8	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
9	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
10	Effect of aggregate saturation degree on the freezeâ€“thaw resistance of high performance polypropylene fiber lightweight aggregate concrete. Construction and Building Materials, 2017, 145, 367-375.	7.2	46
11	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
12	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
13	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
14	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
15	Preparation of Ultra-High Performance Concrete with common technology and materials. Cement and Concrete Composites, 2012, 34, 538-544.	10.7	253