

Shunquan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

598
citations

759233

12
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Property investigation of calcium-silicate-hydrate (C-S-H) gel in cementitious composites. Materials Characterization, 2014, 95, 129-139.	4.4	92
2	The microstructural change of C-S-H at elevated temperature in Portland cement/GGBFS blended system. Cement and Concrete Research, 2019, 123, 105773.	11.0	65
3	Investigation on microstructures of cementitious composites incorporating slag. Advances in Cement Research, 2014, 26, 222-232.	1.6	51
4	Statistical nanoindentation technique in application to hardened cement pastes: Influences of material microstructure and analysis method. Construction and Building Materials, 2016, 113, 306-316.	7.2	50
5	Hydration and soundness properties of phosphoric acid modified steel slag powder. Construction and Building Materials, 2020, 254, 119319.	7.2	49
6	Ultrasonic monitoring of setting and hardening of slag blended cement under different curing temperatures by using embedded piezoelectric transducers. Construction and Building Materials, 2018, 159, 553-560.	7.2	41
7	Investigation on microstructure and microstructural elastic properties of mortar incorporating fly ash. Cement and Concrete Composites, 2018, 86, 315-321.	10.7	39
8	The characteristics and formation mechanism of the dark rim in alkali-activated slag. Cement and Concrete Composites, 2020, 112, 103682.	10.7	38
9	Surface etching and early age hydration mechanisms of steel slag powder with formic acid. Construction and Building Materials, 2021, 280, 122500.	7.2	35
10	Triptolide sensitizes breast cancer cells to Doxorubicin through the DNA damage response inhibition. Molecular Carcinogenesis, 2018, 57, 807-814.	2.7	34
11	The hydration, pore structure and strength of cement-based material prepared with waste soaking solution from acetic acid treatment of regenerated aggregates. Journal of Cleaner Production, 2019, 235, 866-874.	9.3	23
12	Using in-situ observation to understand the leaching behavior of Portland cement and alkali-activated slag pastes. Composites Part B: Engineering, 2019, 177, 107366.	12.0	17
13	Mechanical anisotropy evolution of 3D-printed alkali-activated materials with different GGBFS/FA combinations. Journal of Building Engineering, 2022, 50, 104126.	3.4	13
14	Ultrasonic Monitoring of Crack Propagation of Notched Concretes Using Embedded Piezo-electric Transducers. Journal of Advanced Concrete Technology, 2019, 17, 449-461.	1.8	11
15	Optimization of 3D printing concrete with coarse aggregate via proper mix design and printing process. Journal of Building Engineering, 2022, 56, 104745.	3.4	11
16	Morphological and mineralogical insights into acetic acid modifying and hydraulic process on steel slag for enhanced reactivity. Construction and Building Materials, 2021, 307, 125004.	7.2	10
17	Protocatechuic Aldehyde Represses Proliferation and Migration of Breast Cancer Cells through Targeting C-terminal Binding Protein 1. Journal of Breast Cancer, 2020, 23, 20.	1.9	9
18	Wave amplitude of embedded ultrasonic transducer-based damage monitoring of concrete due to steel bar corrosion. Structural Health Monitoring, 2022, 21, 1694-1709.	7.5	4

#	ARTICLE	IF	CITATIONS
19	Insights into the microstructure and mechanical properties evolution of hydration products in cementitious materials incorporating GGBFS. Journal of Sustainable Cement-Based Materials, 2023, 12, 403-414.	3.1	3
20	A two-phase design strategy based on the composite of mortar and coarse aggregate for 3D printable concrete with coarse aggregate. Journal of Building Engineering, 2022, 54, 104672.	3.4	3