

# 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	Insights into the microstructure and mechanical properties evolution of hydration products in cementitious materials incorporating GGBFS. <i>Journal of Sustainable Cement-Based Materials</i> , 2023, 12, 403-414.	3.1	3
2	Wave amplitude of embedded ultrasonic transducer-based damage monitoring of concrete due to steel bar corrosion. <i>Structural Health Monitoring</i> , 2022, 21, 1694-1709.	7.5	4
3	Mechanical anisotropy evolution of 3D-printed alkali-activated materials with different GGBFS/FA combinations. <i>Journal of Building Engineering</i> , 2022, 50, 104126.	3.4	13
4	A two-phase design strategy based on the composite of mortar and coarse aggregate for 3D printable concrete with coarse aggregate. <i>Journal of Building Engineering</i> , 2022, 54, 104672.	3.4	3
5	Optimization of 3D printing concrete with coarse aggregate via proper mix design and printing process. <i>Journal of Building Engineering</i> , 2022, 56, 104745.	3.4	11
6	Surface etching and early age hydration mechanisms of steel slag powder with formic acid. <i>Construction and Building Materials</i> , 2021, 280, 122500.	7.2	35
7	Morphological and mineralogical insights into acetic acid modifying and hydraulic process on steel slag for enhanced reactivity. <i>Construction and Building Materials</i> , 2021, 307, 125004.	7.2	10
8	Hydration and soundness properties of phosphoric acid modified steel slag powder. <i>Construction and Building Materials</i> , 2020, 254, 119319.	7.2	49
9	The characteristics and formation mechanism of the dark rim in alkali-activated slag. <i>Cement and Concrete Composites</i> , 2020, 112, 103682.	10.7	38
10	Protocatechuic Aldehyde Represses Proliferation and Migration of Breast Cancer Cells through Targeting C-terminal Binding Protein 1. <i>Journal of Breast Cancer</i> , 2020, 23, 20.	1.9	9
11	Ultrasonic Monitoring of Crack Propagation of Notched Concretes Using Embedded Piezo-electric Transducers. <i>Journal of Advanced Concrete Technology</i> , 2019, 17, 449-461.	1.8	11
12	The hydration, pore structure and strength of cement-based material prepared with waste soaking solution from acetic acid treatment of regenerated aggregates. <i>Journal of Cleaner Production</i> , 2019, 235, 866-874.	9.3	23
13	Using in-situ observation to understand the leaching behavior of Portland cement and alkali-activated slag pastes. <i>Composites Part B: Engineering</i> , 2019, 177, 107366.	12.0	17
14	The microstructural change of C-S-H at elevated temperature in Portland cement/GGBFS blended system. <i>Cement and Concrete Research</i> , 2019, 123, 105773.	11.0	65
15	Triptolide sensitizes breast cancer cells to Doxorubicin through the DNA damage response inhibition. <i>Molecular Carcinogenesis</i> , 2018, 57, 807-814.	2.7	34
16	Investigation on microstructure and microstructural elastic properties of mortar incorporating fly ash. <i>Cement and Concrete Composites</i> , 2018, 86, 315-321.	10.7	39
17	Ultrasonic monitoring of setting and hardening of slag blended cement under different curing temperatures by using embedded piezoelectric transducers. <i>Construction and Building Materials</i> , 2018, 159, 553-560.	7.2	41
18	Statistical nanoindentation technique in application to hardened cement pastes: Influences of material microstructure and analysis method. <i>Construction and Building Materials</i> , 2016, 113, 306-316.	7.2	50

#	ARTICLE	IF	CITATIONS
19	Investigation on microstructures of cementitious composites incorporating slag. <i>Advances in Cement Research</i> , 2014, 26, 222-232.	1.6	51
20	Property investigation of calcium-silicate-hydrate (C-S-H) gel in cementitious composites. <i>Materials Characterization</i> , 2014, 95, 129-139.	4.4	92