

# Fei Sha

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

545  
citations

759233

12  
h-index

642732

23  
g-index

32  
all docs

32  
docs citations

32  
times ranked

285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on performance of cement-based grouts admixed with fly ash, bentonite, superplasticizer and water glass. <i>Construction and Building Materials</i> , 2018, 161, 282-291.	7.2	116
2	Investigation on fundamental properties of microfine cement and cement-slag grouts. <i>Construction and Building Materials</i> , 2017, 153, 965-974.	7.2	58
3	Reinforcement simulation of water-rich and broken rock with Portland cement-based grout. <i>Construction and Building Materials</i> , 2019, 221, 292-300.	7.2	43
4	Investigation of the Porosity Distribution, Permeability, and Mechanical Performance of Pervious Concretes. <i>Processes</i> , 2018, 6, 78.	2.8	36
5	Properties of Cement-Based Grouts with High Amounts of Ground Granulated Blast-Furnace Slag and Fly Ash. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	2.9	34
6	Performance of typical cement suspension-sodium silicate double slurry grout. <i>Construction and Building Materials</i> , 2019, 200, 408-419.	7.2	29
7	Investigation of viscous behaviour and strength of microfine-cement-based grout mixed with microfine fly ash and superplasticiser. <i>Advances in Cement Research</i> , 2017, 29, 206-215.	1.6	24
8	Microstructure and Adsorption Properties of MTMS / TEOS Co-precursor Silica Aerogels Dried at Ambient Pressure. <i>Journal of Non-Crystalline Solids</i> , 2021, 562, 120778.	3.1	24
9	Study on micro structure and composition distribution of concrete surface zone based on fractal theory and XCT technology. <i>Construction and Building Materials</i> , 2020, 263, 120209.	7.2	23
10	Facile synthesis of aminophenylboronic decorated electrospun CoFe <sub>2</sub> O <sub>4</sub> spinel nanofibers with enhanced electrocatalytic performance for glucose electrochemical sensor application. <i>Ceramics International</i> , 2021, 47, 19052-19062.	4.8	16
11	Effects of fineness on viscoelasticity of microfine cement-based grouts with fly ash, silica fume and superplasticiser. <i>Advances in Cement Research</i> , 2018, 30, 469-481.	1.6	14
12	Development of steel slag composite grouts for underground engineering. <i>Journal of Materials Research and Technology</i> , 2020, 9, 2793-2809.	5.8	13
13	Study on the mechanical and rheological properties of ultra-high performance concrete. <i>Journal of Materials Research and Technology</i> , 2022, 17, 111-124.	5.8	12
14	Development of effective microfine cement-based grouts (EMCG) for porous and fissured strata. <i>Construction and Building Materials</i> , 2020, 262, 120775.	7.2	11
15	Mechanical Sensing Properties of Embedded Smart Piezoelectric Sensor for Structural Health Monitoring of Concrete. <i>Research in Nondestructive Evaluation</i> , 2021, 32, 88-112.	1.1	10
16	Durability of a novel effective microfine cementitious grouting material in corrosion environments. <i>Construction and Building Materials</i> , 2021, 306, 124842.	7.2	10
17	Preparation and performance of the ultra-high performance mortar based on simplex-centroid design method. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3060-3077.	5.8	9
18	Research on working performance of waterborne aliphatic polyurethane modified concrete. <i>Journal of Building Engineering</i> , 2022, 51, 104262.	3.4	8

#	ARTICLE	IF	CITATIONS
19	Effects of Type and Content of Fibers, Water-to-Cement Ratio, and Cementitious Materials on the Shrinkage and Creep of Ultra-High Performance Concrete. <i>Polymers</i> , 2022, 14, 1956.	4.5	8
20	Application investigation of high-phosphorus steel slag in cementitious material and ordinary concrete. <i>Journal of Materials Research and Technology</i> , 2021, 11, 2074-2091.	5.8	7
21	Nondestructive Evaluation on Strain Sensing Capability of Piezoelectric Sensors for Structural Health Monitoring. <i>Research in Nondestructive Evaluation</i> , 2017, 28, 61-75.	1.1	6
22	Development of High-Performance Microfine Cementitious Grout with High Amount of Fly Ash, Silica Fume, and Slag. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	6
23	Nonlinear Ultrasonic Nondestructive Evaluation of Damaged Concrete Based on Embedded Piezoelectric Sensors. <i>Research in Nondestructive Evaluation</i> , 2016, 27, 125-136.	1.1	5
24	Performance and Microstructure of Alkali-Activated Red Mud-Based Grouting Materials Under Class F Fly Ash Amendment. <i>Indian Geotechnical Journal</i> , 2020, 50, 1048-1056.	1.4	5
25	Effects of PMN Volume Fraction on the Damping Properties of 1-3 Piezoelectric Damping Composites. <i>Applied Mechanics and Materials</i> , 0, 624, 8-12.	0.2	4
26	Considering the effect of the randomness of concrete strength and relative humidity on concrete creep. <i>Structural Concrete</i> , 2021, 22, E916.	3.1	4
27	Durability of a new type of cement-based composite grouting material under effects of chemical corrosion. <i>Materials Express</i> , 2020, 10, 948-954.	0.5	3
28	Concrete Damage Detection Based on Embedded Acoustic Emission Sensors. <i>Applied Mechanics and Materials</i> , 0, 351-352, 1222-1225.	0.2	2
29	EXPERIMENTAL STUDY ON SULFOALUMINATE CEMENT-BASED GROUT. <i>Ceramics - Silikaty</i> , 2020, , 249-262.	0.3	2
30	Workability and Mechanical Properties of Superplasticized Microfine Cement Grouts. <i>Materials</i> , 2022, 15, 1747.	2.9	2
31	Preparation and characterization of 2â€² piezoelectric composites for damping application. <i>International Journal of Materials Research</i> , 2015, 106, 1280-1284.	0.3	1
32	Fabrication of 1-3 Cement-Based Piezoelectric Ultrasonic Sensors for NDE Applications. <i>Applied Mechanics and Materials</i> , 0, 575, 580-584.	0.2	0