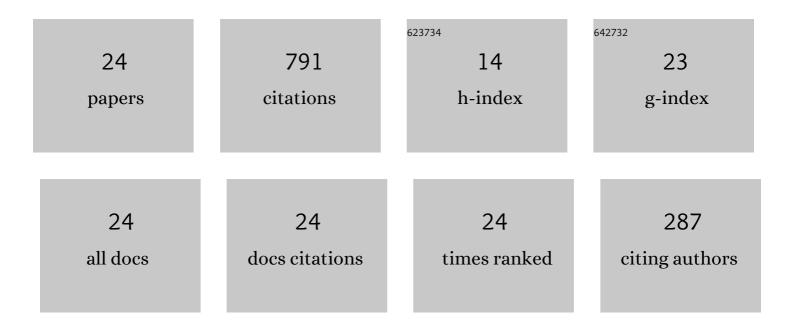
## Zhenjiao Sun

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/989984/publications.pdf Version: 2024-02-01



ZHENIIAO SUN

#	Article	IF	CITATIONS
1	Experimental evaluation on mechanical and thermal insulation properties of shotcrete under constantâ€variable temperature. Structural Concrete, 2023, 24, 2041-2056.	3.1	2
2	Spraying characteristics of mining wet shotcrete. Construction and Building Materials, 2022, 316, 125888.	7.2	18
3	Compressive Properties and Microstructure of Polymer-Concrete Under Dry Heat Environment at 80ÂA°C. Arabian Journal for Science and Engineering, 2022, 47, 12349-12364.	3.0	2
4	Flow characteristics of pneumatic conveying of stiff shotcrete based on CFD-DEM method. Powder Technology, 2022, 397, 117109.	4.2	23
5	Research on Compressive Strength of Manufactured Sand Concrete Based on Response Surface Methodology (RSM). Applied Sciences (Switzerland), 2022, 12, 3506.	2.5	15
6	Calibration of Contact Parameters for Moist Bulk of Shotcrete Based on EDEM. Advances in Materials Science and Engineering, 2022, 2022, 1-14.	1.8	10
7	Simulation of Two-Phase Flow of Shotcrete in a Bent Pipe Based on a CFD–DEM Coupling Model. Applied Sciences (Switzerland), 2022, 12, 3530.	2.5	8
8	Effect of inlet periodic velocity on the performance of standard cyclone separators. Powder Technology, 2022, 402, 117347.	4.2	11
9	Examination of Mixing Proportion in Self-Compacting Gangue-Based Pavement Concrete. Buildings, 2022, 12, 591.	3.1	1
10	Investigation of a new type of thermal insulation shotcrete with silicone rubber tubes (SSRT). Construction and Building Materials, 2022, 338, 127631.	7.2	7
11	Numerical Modeling and Lattice Method for Characterizing Hydraulic Fracture Propagation: A Review of the Numerical, Experimental, and Field Studies. Archives of Computational Methods in Engineering, 2021, 28, 3329-3360.	10.2	36
12	Study on optimization of shotcrete loading technology and the diffusion law of intermittent dust generation. Journal of Cleaner Production, 2021, 312, 127765.	9.3	21
13	Correlation between the mechanical properties and the fiber breaking morphology of fiber reinforced shotcrete (FRS). Composite Structures, 2021, 277, 114641.	5.8	16
14	Analysis of dynamic mechanical properties of sprayed fiber-reinforced concrete based on the energy conversion principle. Construction and Building Materials, 2020, 254, 119167.	7.2	53
15	Effects of substrate materials and liner thickness on the adhesive strength of the novel thin spray-on liner. Advances in Mechanical Engineering, 2020, 12, 168781402090457.	1.6	26
16	Rheological properties of fresh concrete and its application on shotcrete. Construction and Building Materials, 2020, 243, 118180.	7.2	82
17	Investigating the migration law of aggregates during concrete flowing in pipe. Construction and Building Materials, 2020, 251, 119065.	7.2	45
18	A study of the effect of rheological properties of fresh concrete on shotcrete-rebound based on different additive components. Construction and Building Materials, 2019, 224, 1069-1080.	7.2	40

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#	Article	IF	CITATIONS
19	Effect of pumping and spraying processes on the rheological properties and air content of wet-mix shotcrete with various admixtures. Construction and Building Materials, 2019, 225, 311-323.	7.2	75
20	Airflow-Dust Migration Law and Control Technology Under the Simultaneous Operations of Shotcreting and Drilling in Roadways. Arabian Journal for Science and Engineering, 2019, 44, 4961-4969.	3.0	55
21	Development of cement dust suppression technology during shotcrete in mine of China-A review. Journal of Loss Prevention in the Process Industries, 2018, 55, 232-242.	3.3	134
22	Investigating and optimizing the mix proportion of pumping wet-mix shotcrete with polypropylene fiber. Construction and Building Materials, 2017, 150, 14-23.	7.2	104
23	Numerical simulation for optimizing the nozzle of moist-mix shotcrete based on orthogonal test. Journal of Measurements in Engineering, 2017, 5, 205-221.	0.6	6
24	Prediction analysis of human error probability for mine hoisting systems. , 2009, , .		1