

Zhenjiao Sun

List of Publications by Year in descending order

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24
papers

791
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623734

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times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental evaluation on mechanical and thermal insulation properties of shotcrete under constant-variable temperature. <i>Structural Concrete</i> , 2023, 24, 2041-2056.	3.1	2
2	Spraying characteristics of mining wet shotcrete. <i>Construction and Building Materials</i> , 2022, 316, 125888.	7.2	18
3	Compressive Properties and Microstructure of Polymer-Concrete Under Dry Heat Environment at 80°C. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 12349-12364.	3.0	2
4	Flow characteristics of pneumatic conveying of stiff shotcrete based on CFD-DEM method. <i>Powder Technology</i> , 2022, 397, 117109.	4.2	23
5	Research on Compressive Strength of Manufactured Sand Concrete Based on Response Surface Methodology (RSM). <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3506.	2.5	15
6	Calibration of Contact Parameters for Moist Bulk of Shotcrete Based on EDEM. <i>Advances in Materials Science and Engineering</i> , 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. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3530.	2.5	8
8	Effect of inlet periodic velocity on the performance of standard cyclone separators. <i>Powder Technology</i> , 2022, 402, 117347.	4.2	11
9	Examination of Mixing Proportion in Self-Compacting Ganguge-Based Pavement Concrete. <i>Buildings</i> , 2022, 12, 591.	3.1	1
10	Investigation of a new type of thermal insulation shotcrete with silicone rubber tubes (SSRT). <i>Construction and Building Materials</i> , 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. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 3329-3360.	10.2	36
12	Study on optimization of shotcrete loading technology and the diffusion law of intermittent dust generation. <i>Journal of Cleaner Production</i> , 2021, 312, 127765.	9.3	21
13	Correlation between the mechanical properties and the fiber breaking morphology of fiber reinforced shotcrete (FRS). <i>Composite Structures</i> , 2021, 277, 114641.	5.8	16
14	Analysis of dynamic mechanical properties of sprayed fiber-reinforced concrete based on the energy conversion principle. <i>Construction and Building Materials</i> , 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. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402090457.	1.6	26
16	Rheological properties of fresh concrete and its application on shotcrete. <i>Construction and Building Materials</i> , 2020, 243, 118180.	7.2	82
17	Investigating the migration law of aggregates during concrete flowing in pipe. <i>Construction and Building Materials</i> , 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. <i>Construction and Building Materials</i> , 2019, 224, 1069-1080.	7.2	40

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