

# Zhengzheng Xie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6612318/publications.pdf>

Version: 2024-02-01

20  
papers

347  
citations

840776

11  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the evolution and control of surrounding rock fracture under different supporting conditions in deep roadway during excavation period. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 123, 104122.	5.8	64
2	Practices, experience, and lessons learned based on field observations of support failures in some Chinese coal mines. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 123, 104097.	5.8	36
3	Physical model test study on support of super pre-stressed anchor in the mining engineering. <i>Engineering Failure Analysis</i> , 2020, 118, 104833.	4.0	34
4	Field and numerical investigation on roof failure and fracture control of thick coal seam roadway. <i>Engineering Failure Analysis</i> , 2021, 128, 105594.	4.0	31
5	Rapid Excavation and Stability Control of Deep Roadways for an Underground Coal Mine with High Production in Inner Mongolia. <i>Sustainability</i> , 2018, 10, 1160.	3.2	24
6	Stability of Deep Underground Openings through Large Fault Zones in Argillaceous Rock. <i>Sustainability</i> , 2017, 9, 2153.	3.2	22
7	Deformation Field Evolution and Failure Mechanisms of Coal-Rock Combination Based on the Digital Speckle Correlation Method. <i>Energies</i> , 2019, 12, 2511.	3.1	22
8	Study on Safety Control of Composite Roof in Deep Roadway Based on Energy Balance Theory. <i>Sustainability</i> , 2019, 11, 3688.	3.2	19
9	Fiber Bragg Grating Monitoring of Full-bolt Axial Force of the Bolt in the Deep Strong Mining Roadway. <i>Sensors</i> , 2020, 20, 4242.	3.8	18
10	Cooperative Control Mechanism of Long Flexible Bolts and Blasting Pressure Relief in Hard Roof Roadways of Extra-Thick Coal Seams: A Case Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4125.	2.5	13
11	Laboratory Testing of Silica Sol Grout in Coal Measure Mudstones. <i>Materials</i> , 2016, 9, 940.	2.9	12
12	Experimental Study of Imbibition Characteristics of Silica Sol in Coal-Measure Mudstone Matrix. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 300.	2.5	10
13	Study on Efficient Utilization Technology of Coal Pillar Based on Gob-Side Entry Driving in a Coal Mine with Great Depth and High Production. <i>Sustainability</i> , 2019, 11, 1706.	3.2	9
14	Study on the Pore-throat structure characterization and nano grouting law of the Low-permeability mudstone based on NMR-RSM methods. <i>Construction and Building Materials</i> , 2022, 342, 127913.	7.2	8
15	Research and Application of Low Density Roof Support Technology of Rapid Excavation for Coal Roadway. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 389-401.	1.7	7
16	Study on Mechanical Properties and Application of a New Flexible Bolt. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 924.	2.5	6
17	Influence of Polypropylene Fiber on Tensile Property of a Cement-Polymer Based Thin Spray-On Liner. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2876.	2.5	5
18	Study on Magnetic Resonance Characteristics of Coal Sample under Progressive Loads. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6526.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Deterioration of Coal Microstructure under Discontinuous Cyclic Loading Based on Nuclear Magnetic Resonance. Applied Sciences (Switzerland), 2021, 11, 462.	2.5	2
20	Failure Characteristics and Stability Control of Bolt Support in Thick-Coal-Seam Roadway of Three Typical Coal Mines in China. Shock and Vibration, 2021, 2021, 1-16.	0.6	1