Zhen Huang

List of Publications by Year
in descending order

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45	931	394421	477307
papers	citations	19	29
		h-index	g-index

45	45	45	536
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Temperature on Macroscopic and Microscopic Properties of Sandstone From Qidong Coal Mine. Rock Mechanics and Rock Engineering, 2022, 55, 71-90.	5.4	12
2	Split-Radix Algorithm for the Discrete Hirschman Transform. IEEE Signal Processing Letters, 2022, 29, 199-203.	3.6	1
3	Risk assessment of fault water inrush during deep mining. International Journal of Mining Science and Technology, 2022, 32, 423-434.	10.3	27
4	A High-Precision Algorithm for DOA Estimation Using a Long-Baseline Array Based on the Hearing Mechanism of the Ormia Ochracea. Sensors, 2022, 22, 1249.	3.8	0
5	Effects of thermal treatment on the macroscopic physical properties and microstructure of Beishan fine-grained granite. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	3.5	8
6	Deep Learning-Based Multiple Co-Channel Sources Localization Using Bernoulli Heatmap. Electronics (Switzerland), 2022, 11, 1551.	3.1	2
7	Effect of temperature on physical, mechanical and acoustic emission properties of Beishan granite, Gansu Province, China. Natural Hazards, 2021, 107, 1577-1592.	3.4	47
8	Biologically inspired directionâ€finding for short baseline. IET Radar, Sonar and Navigation, 2021, 15, 1221-1236.	1.8	2
9	Recognizing the formations of CVBG based on shape context using electronic reconnaissance data. Electronics Letters, 2021, 57, 562.	1.0	1
10	Effect of water content on the failure pattern and acoustic emission characteristics of red sandstone. International Journal of Rock Mechanics and Minings Sciences, 2021, 142, 104709.	5.8	62
11	Effect of thermal damage on tensile strength and microstructure of granite: a case study of Beishan, China. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2021, 7, 1.	2.9	11
12	Effects of confining pressure on acoustic emission and failure characteristics of sandstone. International Journal of Mining Science and Technology, 2021, 31, 963-974.	10.3	43
13	Numerical characterization of groundwater flow and fracture-induced water inrush in tunnels. Tunnelling and Underground Space Technology, 2021, 116, 104119.	6.2	34
14	Investigations of variations in physical and mechanical properties of granite, sandstone, and marble after temperature and acid solution treatments. Construction and Building Materials, 2021, 307, 124943.	7.2	46
15	A Rapid PN Code Acquisition Method for Low Spreading Factor Satellite Communication Systems. IEEE Communications Letters, 2021, , 1-1.	4.1	0
16	Effects of temperature and acid solution on the physical and tensile mechanical properties of red sandstones. Environmental Science and Pollution Research, 2021, 28, 20608-20623.	5.3	35
17	A Moving Source Localization Method Based on TDOA and TDOA Rate. , 2021, , .		0
18	Bayesian Compressive Sensing Approach for Phaseless Microwave Imaging. , 2021, , .		0

#	Article	IF	Citations
19	Heatmap-Based Multiple Co-Channel Transmitter Localization with Fully Convolutional Network. , 2021, , .		2
20	Estimating the Hydraulic Conductivity of Deep Fractured Rock Strata from High-pressure Injection Tests. Mine Water and the Environment, 2020, 39, 112-120.	2.0	23
21	Deformation and Failure Characteristics of Overburden Under Thin Bedrock and Thick Alluvium: A Case Study in Baodian Coal Mine. Geotechnical and Geological Engineering, 2020, 38, 5213-5228.	1.7	4
22	An approach for water-inrush risk assessment of deep coal seam mining: a case study in Xinlongzhuang coal mine. Environmental Science and Pollution Research, 2020, 27, 43163-43176.	5.3	31
23	Unsteady seepage solutions for hydraulic fracturing around vertical wellbores in hydrocarbon reservoirs. International Journal of Hydrogen Energy, 2020, 45, 9496-9503.	7.1	51
24	Experimental investigation on mining-induced strain and failure characteristics of rock masses of mine floor. Geomatics, Natural Hazards and Risk, 2020, 11, 491-509.	4.3	33
25	Multi-Sensor Passive Localization Using Direct Position Determination with Time-Varying Delay. Sensors, 2019, 19, 1541.	3.8	2
26	Experimental investigation of fracture propagation and inrush characteristics in tunnel construction. Natural Hazards, 2019, 97, 193-210.	3.4	26
27	Comparative analysis of pit deformation characteristics in typical region soft soil deposits of China. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	3
28	Study on the Control of Underground Rivers by Reverse Faults in Tunnel Site and Selection of Tunnel Elevation. Water (Switzerland), 2019, 11, 889.	2.7	9
29	Experimental investigation of the variations in hydraulic properties of a fault zone in Western Shandong, China. Journal of Hydrology, 2019, 574, 822-835.	5.4	35
30	Effect of High Temperatures on the Thermal Properties of Granite. Rock Mechanics and Rock Engineering, 2019, 52, 2691-2699.	5.4	44
31	Distribution characteristics of the additional vertical stress on a shaft wall in thick and deep alluvium: a simulation analysis. Natural Hazards, 2019, 96, 353-368.	3.4	5
32	Influence of fault zone on the respect distance and margin for excavation: a case study of the F4 fault in the Jijicao rock block, China. Bulletin of Engineering Geology and the Environment, 2019, 78, 2653-2669.	3.5	6
33	Damage characterization of red sandstones using uniaxial compression experiments. RSC Advances, 2018, 8, 40267-40278.	3.6	7
34	Investigation of the hydraulic properties of deep fractured rocks around underground excavations using high-pressure injection tests. Engineering Geology, 2018, 245, 180-191.	6.3	49
35	A case study of water inrush incident through fault zone in China and the corresponding treatment measures. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	18
36	Variations in Hydraulic Properties of Sendimentary Rocks Induced by Fluid Injection: The Effect of Water Pressure. Polish Journal of Environmental Studies, 2018, 28, 647-655.	1.2	1

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37	Identification of geological structure which induced heavy water and mud inrush in tunnel excavation: A case study on Lingjiao tunnel. Tunnelling and Underground Space Technology, 2017, 69, 203-208.	6.2	62
38	Influence of structure and water pressure on the hydraulic conductivity of the rock mass around underground excavations. Engineering Geology, 2016, 202, 74-84.	6.3	57
39	In situ Measurement of Hydraulic Properties of the Fractured Zone of Coal Mines. Rock Mechanics and Rock Engineering, 2016, 49, 603-609.	5.4	23
40	Experimental measurement on the hydraulic conductivity of deep low-permeability rock. Arabian Journal of Geosciences, 2015, 8, 5389-5396.	1.3	8
41	Characterizing the hydraulic conductivity of rock formations between deep coal and aquifers using injection tests. International Journal of Rock Mechanics and Minings Sciences, 2014, 71, 12-18.	5.8	43
42	Analytical and experimental study of water seepage propagation behavior in the fault. Acta Geodynamica Et Geomaterialia, 2014, , 361-370.	0.5	17
43	Growth Rates of Edge-on Lamellar Crystals Confined in Polymer Thin Films. Journal of Macromolecular Science - Physics, 2012, 51, 2341-2351.	1.0	8
44	Controlled preparation of coreâ€“shell polystyrene/polypyrrole nanocomposite particles by a swellingâ€“diffusionâ€“interfacial polymerization method. Colloid and Polymer Science, 2012, 290, 979-985.	2.1	14
45	A facile and environmentally friendly method for the synthesis of hollow silica particles in a self-stable dispersion. Journal of Materials Chemistry, 2010, 20, 5516.	6.7	19