

# Zhen Huang

## List of Publications by Year in descending order

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45  
papers

931  
citations

394421

19  
h-index

477307

29  
g-index

45  
all docs

45  
docs citations

45  
times ranked

536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of geological structure which induced heavy water and mud inrush in tunnel excavation: A case study on Lingjiao tunnel. <i>Tunnelling and Underground Space Technology</i> , 2017, 69, 203-208.	6.2	62
2	Effect of water content on the failure pattern and acoustic emission characteristics of red sandstone. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 142, 104709.	5.8	62
3	Influence of structure and water pressure on the hydraulic conductivity of the rock mass around underground excavations. <i>Engineering Geology</i> , 2016, 202, 74-84.	6.3	57
4	Unsteady seepage solutions for hydraulic fracturing around vertical wellbores in hydrocarbon reservoirs. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 9496-9503.	7.1	51
5	Investigation of the hydraulic properties of deep fractured rocks around underground excavations using high-pressure injection tests. <i>Engineering Geology</i> , 2018, 245, 180-191.	6.3	49
6	Effect of temperature on physical, mechanical and acoustic emission properties of Beishan granite, Gansu Province, China. <i>Natural Hazards</i> , 2021, 107, 1577-1592.	3.4	47
7	Investigations of variations in physical and mechanical properties of granite, sandstone, and marble after temperature and acid solution treatments. <i>Construction and Building Materials</i> , 2021, 307, 124943.	7.2	46
8	Effect of High Temperatures on the Thermal Properties of Granite. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 2691-2699.	5.4	44
9	Characterizing the hydraulic conductivity of rock formations between deep coal and aquifers using injection tests. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 71, 12-18.	5.8	43
10	Effects of confining pressure on acoustic emission and failure characteristics of sandstone. <i>International Journal of Mining Science and Technology</i> , 2021, 31, 963-974.	10.3	43
11	Experimental investigation of the variations in hydraulic properties of a fault zone in Western Shandong, China. <i>Journal of Hydrology</i> , 2019, 574, 822-835.	5.4	35
12	Effects of temperature and acid solution on the physical and tensile mechanical properties of red sandstones. <i>Environmental Science and Pollution Research</i> , 2021, 28, 20608-20623.	5.3	35
13	Numerical characterization of groundwater flow and fracture-induced water inrush in tunnels. <i>Tunnelling and Underground Space Technology</i> , 2021, 116, 104119.	6.2	34
14	Experimental investigation on mining-induced strain and failure characteristics of rock masses of mine floor. <i>Geomatics, Natural Hazards and Risk</i> , 2020, 11, 491-509.	4.3	33
15	An approach for water-inrush risk assessment of deep coal seam mining: a case study in Xinlongzhuang coal mine. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43163-43176.	5.3	31
16	Risk assessment of fault water inrush during deep mining. <i>International Journal of Mining Science and Technology</i> , 2022, 32, 423-434.	10.3	27
17	Experimental investigation of fracture propagation and inrush characteristics in tunnel construction. <i>Natural Hazards</i> , 2019, 97, 193-210.	3.4	26
18	In situ Measurement of Hydraulic Properties of the Fractured Zone of Coal Mines. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 603-609.	5.4	23

#	ARTICLE	IF	CITATIONS
19	Estimating the Hydraulic Conductivity of Deep Fractured Rock Strata from High-pressure Injection Tests. <i>Mine Water and the Environment</i> , 2020, 39, 112-120.	2.0	23
20	A facile and environmentally friendly method for the synthesis of hollow silica particles in a self-stable dispersion. <i>Journal of Materials Chemistry</i> , 2010, 20, 5516.	6.7	19
21	A case study of water inrush incident through fault zone in China and the corresponding treatment measures. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	18
22	Analytical and experimental study of water seepage propagation behavior in the fault. <i>Acta Geodynamica Et Geomaterialia</i> , 2014, , 361-370.	0.5	17
23	Controlled preparation of core-shell polystyrene/polypyrrole nanocomposite particles by a swelling diffusion interfacial polymerization method. <i>Colloid and Polymer Science</i> , 2012, 290, 979-985.	2.1	14
24	Effect of Temperature on Macroscopic and Microscopic Properties of Sandstone From Qidong Coal Mine. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 71-90.	5.4	12
25	Effect of thermal damage on tensile strength and microstructure of granite: a case study of Beishan, China. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	2.9	11
26	Study on the Control of Underground Rivers by Reverse Faults in Tunnel Site and Selection of Tunnel Elevation. <i>Water (Switzerland)</i> , 2019, 11, 889.	2.7	9
27	Growth Rates of Edge-on Lamellar Crystals Confined in Polymer Thin Films. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 2341-2351.	1.0	8
28	Experimental measurement on the hydraulic conductivity of deep low-permeability rock. <i>Arabian Journal of Geosciences</i> , 2015, 8, 5389-5396.	1.3	8
29	Effects of thermal treatment on the macroscopic physical properties and microstructure of Beishan fine-grained granite. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.	3.5	8
30	Damage characterization of red sandstones using uniaxial compression experiments. <i>RSC Advances</i> , 2018, 8, 40267-40278.	3.6	7
31	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. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 2653-2669.	3.5	6
32	Distribution characteristics of the additional vertical stress on a shaft wall in thick and deep alluvium: a simulation analysis. <i>Natural Hazards</i> , 2019, 96, 353-368.	3.4	5
33	Deformation and Failure Characteristics of Overburden Under Thin Bedrock and Thick Alluvium: A Case Study in Baodian Coal Mine. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 5213-5228.	1.7	4
34	Comparative analysis of pit deformation characteristics in typical region soft soil deposits of China. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	3
35	Multi-Sensor Passive Localization Using Direct Position Determination with Time-Varying Delay. <i>Sensors</i> , 2019, 19, 1541.	3.8	2
36	Biologically inspired direction-finding for short baseline. <i>IET Radar, Sonar and Navigation</i> , 2021, 15, 1221-1236.	1.8	2

#	ARTICLE	IF	CITATIONS
37	Heatmap-Based Multiple Co-Channel Transmitter Localization with Fully Convolutional Network. , 2021, , .		2
38	Deep Learning-Based Multiple Co-Channel Sources Localization Using Bernoulli Heatmap. Electronics (Switzerland), 2022, 11, 1551.	3.1	2
39	Recognizing the formations of CVBG based on shape context using electronic reconnaissance data. Electronics Letters, 2021, 57, 562.	1.0	1
40	Variations in Hydraulic Properties of Sedimentary Rocks Induced by Fluid Injection: The Effect of Water Pressure. Polish Journal of Environmental Studies, 2018, 28, 647-655.	1.2	1
41	Split-Radix Algorithm for the Discrete Hirschman Transform. IEEE Signal Processing Letters, 2022, 29, 199-203.	3.6	1
42	A Rapid PN Code Acquisition Method for Low Spreading Factor Satellite Communication Systems. IEEE Communications Letters, 2021, , 1-1.	4.1	0
43	A Moving Source Localization Method Based on TDOA and TDOA Rate. , 2021, , .		0
44	Bayesian Compressive Sensing Approach for Phaseless Microwave Imaging. , 2021, , .		0
45	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