

Songqiang Xiao

List of Publications by Year in descending order

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14
papers

215
citations

1307594

7
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on rock-breaking performance of water jets generated by self-rotatory bit and rock failure mechanism. Powder Technology, 2019, 346, 203-216.	4.2	74
2	Experimental Study of Crack Initiation and Extension Induced by Hydraulic Fracturing in a Tree-Type Borehole Array. Energies, 2016, 9, 514.	3.1	28
3	A New Tree-Type Fracturing Method for Stimulating Coal Seam Gas Reservoirs. Energies, 2017, 10, 1388.	3.1	22
4	Rock-Breaking Properties of Multi-Nozzle Bits for Tree-Type Drilling in Underground Coal Mines. Energies, 2016, 9, 249.	3.1	19
5	Investigation on Coal Fragmentation by High-Velocity Water Jet in Drilling: Size Distributions and Fractal Characteristics. Applied Sciences (Switzerland), 2018, 8, 1988.	2.5	19
6	Tree-Type Boreholes in Coal Mines for Enhancing Permeability and Methane Drainage: Theory and an Industrial-Scale Field Trial. Natural Resources Research, 2020, 29, 3197-3213.	4.7	9
7	Permeability Enhancement and Methane Drainage Capacity of Tree-type Boreholes to Stimulate Low-permeability Coal Seams. Arabian Journal for Science and Engineering, 2021, 46, 573-586.	3.0	9
8	Study of the rock-breaking and drilling performance of a self-rotatory water-jet bit in water-jet drilling and its influential factors. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-17.	2.3	8
9	Gas migration mechanism and enrichment law under hydraulic fracturing in soft coal seams: a case study in Songzao coalfield. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 1897-1911.	2.3	8
10	Rock-Breaking Properties Under the Rotatory Impact of Water Jets in Water Jet Drilling. Applied Sciences (Switzerland), 2019, 9, 5417.	2.5	7
11	Calculation Model of High-Pressure Water Jet Slotting Depth for Coalbed Methane Development in Underground Coal Mine. Applied Sciences (Switzerland), 2019, 9, 5250.	2.5	5
12	Numerical analysis on the flow field structure and deflection characteristics of water jets under nozzle moving conditions. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 1279-1301.	3.1	5
13	Experimental Study on Broken Area Evolution Characteristics and Crack Propagation Rules of Water Jet Impacting Concrete with Precracks. Journal of Performance of Constructed Facilities, 2021, 35, .	2.0	2
14	Coal breakage features and fragment size distribution in water jet drilling for coalbed methane development. Journal of Engineering, 2021, 2021, 267-275.	1.1	0