

Cai-Ping Lu

List of Publications by Year in descending order

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42
papers

1,209
citations

516710

16
h-index

377865

34
g-index

42
all docs

42
docs citations

42
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	Microseismic multi-parameter characteristics of rockburst hazard induced by hard roof fall and high stress concentration. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2015, 76, 18-32.	5.8	215
2	Microseismic frequency-spectrum evolutionary rule of rockburst triggered by roof fall. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2013, 64, 6-16.	5.8	130
3	Case histories of rock bursts under complicated geological conditions. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 1529-1545.	3.5	106
4	Case study on microseismic effect of coal and gas outburst process. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2012, 53, 101-110.	5.8	75
5	Microseismic low-frequency precursor effect of bursting failure of coal and rock. <i>Journal of Applied Geophysics</i> , 2012, 79, 55-63.	2.1	67
6	Microseismic signals of double-layer hard and thick igneous strata separation and fracturing. <i>International Journal of Coal Geology</i> , 2016, 160-161, 28-41.	5.0	64
7	In-situ and experimental investigations of rockburst precursor and prevention induced by fault slip. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 108, 86-95.	5.8	58
8	Prevention and forecasting of rock burst hazards in coal mines. <i>Mining Science and Technology</i> , 2009, 19, 585-591.	0.3	57
9	Failure characteristics of combined coal-rock with different interfacial angles. <i>Geomechanics and Engineering</i> , 2016, 11, 345-359.	0.9	46
10	Microseismic and acoustic emission effect on gas outburst hazard triggered by shock wave: a case study. <i>Natural Hazards</i> , 2014, 73, 1715-1731.	3.4	39
11	Mechanisms of Rockburst Triggered by Slip and Fracture of Coalâ€“Partingâ€“Coal Structure Discontinuities. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 3279-3292.	5.4	34
12	Case study of blast-induced shock wave propagation in coal and rock. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2010, 47, 1046-1054.	5.8	33
13	Inversion of stress field evolution consisting of static and dynamic stresses by microseismic velocity tomography. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2016, 87, 8-22.	5.8	29
14	Anatomy of mining-induced fault slip and a triggered rockburst. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 5147-5160.	3.5	25
15	Stress evolution caused by hard roof fracturing and associated multi-parameter precursors. <i>Tunnelling and Underground Space Technology</i> , 2019, 84, 295-305.	6.2	24
16	Study on fault induced rock bursts. <i>Mining Science and Technology</i> , 2008, 18, 321-326.	0.8	21
17	Moment Tensor Inversion and Stress Evolution of Coal Pillar Failure Mechanism. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 2371-2383.	5.4	19
18	The relationship between vertical stress gradient, seismic, and electromagnetic emission signals at Sanhejian coal mine, China. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 70, 90-100.	5.8	17

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19	Pyrolysis and gasification modelling of underground coal gasification and the optimisation of CO ₂ as a gasification agent. <i>Fuel</i> , 2016, 183, 557-567.	6.4	17
20	Numerical investigation of slip and fracture instability mechanism of coal-rock parting-coal structure (CRCS). <i>Journal of Structural Geology</i> , 2019, 118, 265-278.	2.3	17
21	Evaluation method of the energy conversion efficiency of coal gasification and related applications. <i>International Journal of Energy Research</i> , 2016, 40, 168-180.	4.5	14
22	Frequency spectrum analysis on micro-seismic signal of rock bursts induced by dynamic disturbance. <i>Mining Science and Technology</i> , 2010, 20, 682-685.	0.3	13
23	Numerical Investigation of Rockburst Effect of Shock Wave on Underground Roadway. <i>Shock and Vibration</i> , 2015, 2015, 1-10.	0.6	12
24	Classification of microseismic events in high stress zone. <i>Mining Science and Technology</i> , 2009, 19, 718-723.	0.3	10
25	Warning Method of Coal Bursting Failure Danger by Electromagnetic Radiation. <i>Shock and Vibration</i> , 2015, 2015, 1-9.	0.6	10
26	Experimental research on shear-slip characteristics of simulated fault with zigzag-type gouge. <i>Tribology International</i> , 2016, 99, 187-197.	5.9	8
27	Slip and instability mechanisms of coal-rock parting-coal structure (CRCS) under coupled dynamic and static loading. <i>Energy Science and Engineering</i> , 2019, 7, 2703-2719.	4.0	8
28	Research on Mechanisms and Precursors of Slip and Fracture of Coal-Rock Parting-Coal Structure. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 1343-1359.	5.4	8
29	Experimental and field investigations on seismic response of joints and beddings in rocks. <i>Ultrasonics</i> , 2019, 97, 46-56.	3.9	7
30	Research on microseismic activity rules in Sanhejian Coal Mine. <i>Science in China Series A: Mathematics</i> , 2008, 14, 373-377.	0.2	6
31	Case Study regarding the Stress Distribution and Microseismic Laws of Coal and Rock Underlying the Residual Coal Pillar. <i>Lithosphere</i> , 2022, 2022, .	1.4	3
32	Research on instability characteristics and precursory effect of coal-rock parting-coal structures. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
33	Research on shear-slip characteristics with different-size rectangular zigzag gouge by double-direct tests. <i>International Journal of Distributed Sensor Networks</i> , 2017, 13, 155014771770289.	2.2	2
34	Effects of Particle Size on Fault Gouge Frictional Characteristics and Associated Acoustic Emission. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-11.	0.7	2
35	Mutation effect of acoustic and electromagnetic emissions of hard rock impact failure. <i>International Journal of Distributed Sensor Networks</i> , 2019, 15, 155014771882447.	2.2	2
36	Numerical and Field Investigations on Rockburst Risk Adjacent to Irregular Coal Pillars and Fault. <i>Shock and Vibration</i> , 2021, 2021, 1-17.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Damage Mechanism and Wave Attenuation Induced by Blasting in Jointed Rock. <i>Geofluids</i> , 2022, 2022, 1-15.	0.7	2
38	Mechanisms Underlying the Slip and Failure of Coal-Rock Parting-Coal Structures Under Unloading Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 4913-4928.	5.4	2
39	Shock and Vibration in Deep Mining Science. <i>Shock and Vibration</i> , 2019, 2019, 1-3.	0.6	1
40	Investigations of Coal-Rock Parting-Coal Structure (CRCS) Slip and Instability by Excavation. <i>Shock and Vibration</i> , 2021, 2021, 1-15.	0.6	1
41	Shock and Vibration Induced by Mining Extraction 2016. <i>Shock and Vibration</i> , 2016, 2016, 1-1.	0.6	0
42	Acoustic and vibration precursors from shear-slip characteristics of simulated zigzag-type gouge fault. <i>Studia Geophysica Et Geodaetica</i> , 2018, 62, 102-114.	0.5	0