

表 2.11 2017-2020 年研究生发表学术论文一览表

序号	论文题目	刊物名称	发表时间
1	Experimental research on the evolution characteristics of displacement and stress in the formation of reverse faults	Geomechanics and Engineering	2020
2	Mechanical mechanism of overlying strata breaking and development of fractured zone during close-distance coal seam group mining	International Journal of Mining Science and Technology	2020
3	Ground Response of a Gob-side Entry in a Longwall Panel Extracting 17m-thick Coal Seam: A case study	Rock Mechanics and Rock Engineering	2020
4	Research on Evaluation Index and Application of Rockburst Risk in Deep Strip Mining	Shock and Vibration	2020
5	Dynamic analysis of the rock burst potential of a longwall panel intersecting with a fault	Rock Mechanics & Rock Engineering	2020
6	Analysis on Free Vibration and Stability of Rotating Composite Milling Bar with Large Aspect Ratio	Applied Sciences (Basel)	2020
7	Study on Reasonable Roadway Position of Working Face under Strip Coal Pillar in Rock Burst Mine	Shock and Vibration	2020
8	Gob-side entry retaining involving bag filling material for support wall construction	Sustainability	2020
9	Study on overburden failure characteristics in deep thick loose seam and thick coal seam mining	Geomatics Natural Hazards & Risk	2020
10	A numerical study of mining-induced energy redistribution in a coal seam adjacent to an extracted coal panel during longwall face mining: a case study	Energy Science & Engineering	2020
11	Comprehensive Experimental Study of Affecting Factors on Rectangular Roadway Stability	Advances in Civil Engineering	2020
12	Study on In Situ Stress Measurement and Surrounding Rock Control Technology in Deep Mine	GEOFLUIDS	2020
13	Study on the Rheological Failure Mechanism of Weakly Cemented Soft Rock Roadway during the Mining of Close-Distance Coal Seams_ A Case Study	Advances in Civil Engineering	2020
14	Deformation and failure laws of roadway surrounding rock and support optimization during shallow-buried multi-seam mining	Geomatics, Natural Hazards and Risk	2020
15	The influence of magmatic rock thickness on fracture and instability law of mining surrounding rock	Geomechanics and Engineering	2020
16	Acoustic Velocity Correcting Method for the Tilted Acoustic Tube in Testing of Pile by Ultrasonic Transmission	Advances in Civil Engineering	2020
17	Fracture Mechanical Behavior of Cracked Cantilever Roof with Large Cutting Height Mining	Shock and Vibration	2020

18	Mechanical properties and failure mechanisms of sandstone with pyrite concretions under uniaxial compression	Geomechanics and Engineering	2020
19	Numerical simulation of strength, deformation, and failure characteristics of rock with fissure hole defect	Advances in Materials Science and Engineering	2020
20	Numerical study on strength and failure characteristics of rock samples with different hole defects	Bulletin of Engineering Geology and the Environment	2020
21	Excavation unloading - induced fracturing of hard rock containing different shapes of central holes affected by unloading rates and in situ stresses	Energy Science and Engineering	2020
22	Anisotropic modeling of layered rocks incorporating planes of weakness and volumetric stress	ENERGY SCIENCE & ENGINEERING	2020
23	Research on the Size Effect of Unstable Fracture Toughness by the Modified Maximum Tangential Stress(MMTS)Criterion	Advances in Civil Engineering	2020
24	Length and Angle of Pre-conditioned Cracks: Effect on the Mechanical Properties and Failure Characteristics of Combined Coal and Rock	Bulletin of Engineering Geology and the Environment	2020
25	Effect of coal thicknesses on energy evolution characteristics of roof rock-coal-floor rock sandwich composite structure and its damage constitutive model	Composites Part B	2020
26	Failure characteristics and physical signals of jointed rock:an experimental investigation	Arabian Journal of Geosciences	2020
27	Effect of Multiple Hole Distribution and Shape Based on Particle Flow on Rocklike Failure Characteristics and Mechanical Behavior	Advances in Civil Engineering	2020
28	Strength characteristics and fracture evolution of rock with different shapes inclusions based on particle flow code	Geomechanics and Engineering	2020
29	Acoustic Emission Characteristics of Coal under Different Triaxial Unloading Conditions	Acta Geodynamica et Geomaterialia	2020
30	Mechanical Characteristics of Coal Samples under Triaxial Unloading Pressure with Different Test Paths	Shock and Vibration	2020
31	Study on fracture mechanics of granite based on digital speckle correlation method	International Journal of Solids and Structures	2020
32	Mechanical properties and meso-structure response of cemented gangue-fly ash backfill with cracks under seepage- stress coupling	Construction and Building Materials	2020
33	Study on Damage Model and Damage Evolution Characteristics of Backfill with Prefabricated Fracture under Seepage-Stress Coupling	Advances in Materials Science and Engineering	2020
34	Porosity zoning characteristics of fault floor under fluid-solid coupling	Bulletin of Engineering Geology and the Environment	2020

35	Coupling model of jointed rock mass and rock bolt in offshore LPG underground storage	Energy Science & Engineering	2020
36	Coupling model of disk splitting for expansive rock mass in deep storage considering water infiltration	Energy Science & Engineering	2020
37	Experimental study on water and sand inrush of mining cracks in loose layers with different clay contents	Bulletin of Engineering Geology and the Environment	2020
38	Development and application of a floor failure depth prediction system based on the WEKA platform	Geomech Eng	2020
39	Modeling Rock Fracture Propagation and Water Inrush Mechanisms in Underground Coal Mine	Geofluids	2020
40	Modelling the coupled fracture propagation and fluid flow in jointed rock mass using FRACOD	Geomechanics and Engineering	2020
41	A Risk Assessment of a Water-Sand Inrush during Coal Mining under a Loose Aquifer Based on a Factor Analysis and the Fisher Model	JOURNAL OF HYDROLOGIC ENGINEERING	2020
42	Distribution characteristics of floor pore water pressure based on similarity simulation experiments	Bulletin of Engineering Geology and the Environment	2020
43	Mechanism of seepage-stress fault water inrush and grouting seal	Arabian Journal of Geosciences	2020
44	Experimental study on nano silica modified cement base grouting reinforcement materials	Geomechanics and Engineering	2020
45	Effects of chloride on the early mechanical properties and microstructure of gangue-cemented paste backfill	Construction And Building Materials	2020
46	Effects of red mud additions on gangue-cemented paste backfill properties	Powder Technology	2020
47	Emission reduction process for dechlorinating flue-gas desulfurization gypsum and reducing wastewater effluents: application prospects from laboratory-scale studies	Energy Science & Engineering	2020
48	Modeling study on the influence of the strip filling mining sequence on mining-induced failure	Energy science and Engineering	2020
49	Experimental study on Portland cement/calcium sulfoaluminate binder of paste filling	European Journal of Environmental and Civil Engineering	2020
50	Compressive deformation characteristics of crushed sandstone based on multiple experimental factors	Archives of Mining Sciences	2020
51	Simulation Analysis of Influencing Factors of Subsidence Based on Mining under Huge Loose Strata: A Case Study of Heze Mining Area, China	GEOFLUIDS	2020
52	Deterioration regularity of sodium sulfate solution attack on cemented coal gangue-fly ash backfill under drying-wetting cycles	Advances in Civil Engineering	2020

53	Experimental Development Process of a New Cement and Gypsum-Cemented Similar Material considering the Effect of Moisture	Geofluids	2020
54	Mechanical properties and damage evolution behavior of coal-fired slag concrete under uniaxial compression based on acoustic emission monitoring technology	Journal of Materials Research and Technology	2020
55	Compression characteristics of filling gangue and simulation of mining with gangue backfilling: An experimental investigation	Geomech Eng	2020
56	Experimental Investigation on Mechanical Properties of In Situ Cemented Paste Backfill Containing Coal Gangue and Fly Ash	Advances in Civil Engineering	2020
57	Experimental Study on the Basic Properties of a Green New Coal Mine Grouting Reinforcement Material	ACS OMEGA	2020
58	Tunnel failure in hard rock with multiple weak planes due to excavation unloading of in-situ stress	Journal of Central South University	2020
59	Numerical Investigation of a Foundation Pit Supported by a Composite Soil Nailing Structure	Symmetry	2020
60	Application of Specific Energy in Evaluation of Geological Conditions Ahead of Tunnel Face	ENERGIES	2020
61	Estimation of tunnel support pattern selection using artificial neural network	Arabian Journal of Geosciences	2020
62	Mountain tunnel under earthquake force: a review study on possible causes of damage and restoration methods	Journal of Rock Mechanics and Geotechnical Engineering	2020
63	Displacement of surrounding rock in a deep circular hole considering double moduli and strength-stiffness degradation	Applied Mathematics and Mechanics (English Edition)	2020
64	Experimental Research on Acoustic Emission Characteristics and Felicity Effects during Coal Fatigue Failure under Cyclic Loading	Advances in Materials Science and Engineering	2020
65	Physical simulation study of crack propagation and instability information discrimination of rock-like materials with faults	Arabian Journal of Geosciences	2020
66	Radial Permeability Measurement for Shale Using Variable Pressure Gradients	Acta Geologica Sinica (English Edition)	2020
67	Discrete element numerical simulation of mechanical properties of methane hydrate-bearing specimen considering deposit angles	Journal of Natural Gas Science and Engineering	2020
68	Adhesion and peeling of a Fugu coal molecule on the graphene substrate: MD simulations	Science China-Physics Mechanics & Astronomy	2020

69	Biom mineralization Performance of Bacillus sphaericus under the Action of Bacillus mucilaginosus	Advances in Materials Science and Engineering	2020
70	Enhanced cryogenic mechanical properties and liquid oxygen compatibility of DOPO-containing epoxy resin reinforced by epoxy-grafted polysiloxane	Polymer Bulletin	2020
71	Effect of High Temperature(600°C)on Mechanical Properties,Mineral Composition,and Microfracture Characteristics of Sandstone	Materials Science and Engineering	2020
72	Numerical Simulation on Non-Darcy Flow in a Single Rock Fracture Domain Inverted by Digital Images	Geofluids	2020
73	Experimental Study of the Nonlinear Flow Characteristics of Fluid in 3D Rough-Walled Fractures During Shear Process	Rock Mechanics and Rock Engineering	2020
74	Influence of cyclic wetting-drying on the mechanical strength characteristics of coal samples: a laboratory-scale study	Energy Science and Engineering	2019
75	Flow field characters near fracture entrance in supercritical carbon dioxide sand fracturing	Greenhouse Gases-Science and Technology	2019
76	A novel phosphorus-silicon containing epoxy resin with enhanced thermal stability, flame retardancy and mechanical properties.	Polymer Degradation and Stability	2019
77	Thermal stability and flame retardancy of an epoxy resin modified with phosphoric triamide and glycidyl POSS	High Performance Polymers	2019
78	Damage characteristics of sandstone subjected to pre-peak and post-peak cyclic loading	Acta Geodynamica Et Geomaterialia	2019
79	Digital image correlation analysis of displacement based on corrected three surface fitting algorithm	Complexity	2019
80	Experimental Research on Deformation Characteristics of Waste-Rock Material in Underground Backfill Mining	Minerals	2019
81	The Effects of Backfill Mining on Strata Movement Rule and Water Inrush: A Case Study	Processes	2019
82	The Distinct Elemental Analysis of the Microstructural Evolution of a Methane Hydrate Specimen under Cyclic Loading Conditions	Energies	2019
83	Distinguishing fractures from matrix pores based on the practical application of rock physics inversion and NMR data: A case study from an unconventional coal reservoir in China	Journal of Natural Gas Science and Engineering	2019
84	Evaluation of wettabilities and pores in tight oil reservoirs by a new experimental design.	Fuel	2019
85	Numerical analysis of support designs based on a case study of a longwall entry	Rock Mechanics & Rock Engineering	2019

86	Effect of fracture heterogeneity on rock mass stability in a highly heterogeneous underground roadway	Rock Mechanics & Rock Engineering	2019
87	Mining stress distribution and fault-slip behavior: a case study of fault-influenced longwall coal mining	Energies	2019
88	Numerical analysis of roadway rock-burst hazard under superposed dynamic and static loads	Energies	2019
89	Numerical analysis of the mechanical behaviors of various jointed rocks under uniaxial tension loading	Applied Sciences-Basel	2019
90	Numerical modeling approach on mining-induced strata structural behavior by considering the fracture-weakening effect on rock mass	Applied Sciences-Basel	2019
91	Numerical simulation analysis of new steel sets used for roadway support in coal mines	Metals	2019
92	Reassessment of Coal Permeability Evolution Using Steady-state Flow Methods: The Role of Flow Regime Transition	International Journal of Coal Geology	2019
93	Interaction of cleat-matrix on coal permeability from experimental observations and numerical analysis	Geofluids	2019
94	Measures to deal roof-shock during tunneling at deep and extra-thick coal	Arabian Journal of Geosciences	2019
95	A Full Coupled Thermal-Hydraulic-Chemical Model for Heterogeneity Rock Damage and Its Application in Predicting Water Inrush	APPLIED SCIENCES-BASEL	2019
96	Early warning information evolution characteristics of water inrush from floor in underground coal mining	ARABIAN JOURNAL OF GEOSCIENCES	2019
97	Analysis of fractures of a hard rock specimen via unloading of central hole with different sectional shapes	Energy Science and Engineering	2019
98	A study of the dynamic movement rule of overlying strata combinations using a short-wall continuous mining and full-caving method	Energy Science and Engineering	2019
99	Applicability of Yielding-Resisting Sand Column and Three-Dimensional Coordination Support in Stopes	Materials	2019
100	Mechanical responses and acoustic emission properties of bolting system under short encapsulation cyclic thrust tests	International Journal of Fatigue	2019
101	Chemical vapor deposition synthesis of carbon nanosprouts on calcined stainless steel	Materials Letters	2019
102	Study of the Fracture Law of Overlying Strata Under Water Based on the Flow-Stress-Damage Model	Geofluids	2019
103	Overlying strata structural modeling and support applicability analysis for large mining-height stopes	Journal of Loss Prevention in the Process Industries	2019
104	Effects of arch structure in unconsolidated layers on fracture and failure of overlying strata	International Journal of Rock Mechanics and Mining Sciences	2019

105	Rock cone penetration test under lateral confining pressure	International Journal of Rock Mechanics and Mining Sciences	2019
106	Analysis of Influencing Factors of Occupational Safety and Health in Coal Chemical Enterprises Based on the Analytic Network Process and System Dynamics	Processes	2019
107	A numerical scheme of coupling of fluid flow with three-dimensional fracture propagation	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	2019
108	Distribution and evolution of residual voids in longwall old goaf	GEOMECHANICS AND ENGINEERING	2019
109	Load transfer mechanism and reinforcement effect of segmentally yieldable anchorage in weakly consolidated soft rock	Simulation-Transactions of the Society for Modeling and Simulation International	2019
110	Quantitative Precursory Information of Weak Shocking Failures of Composite Soft Roof	Shock and Vibration	2019
111	Study on the Permeability of Weakly Cemented Sandstones	Geofluids	2019
112	Theoretical analyses of stress field in surrounding rocks of weakly consolidated tunnel in a high-humidity deep environment	International Journal of Rock Mechanics and Mining Sciences	2019
113	Fatigue Characteristics of Coal Samples Under Cyclic Uniaxial Loading	Geotechnical Testing Journal	2019
114	Dynamic Load and Support Requirements in a Deep Gob-Side Entry Rock Mass	Advances in Materials Science and Engineering	2019
115	Experimental study on seepage characteristics of large size rock specimens under three-dimensional stress	Geomechanics and Engineering	2019
116	Multi-field Coupling of Water Inrush Channel Formation in a Deep Mine with a Buried Fault	Mine Water and the Environment	2019
117	Experimental study of crack propagation of rock-like specimens containing conjugate fractures	Geomechanics and Engineering	2019
118	Evolution Model of Seepage Characteristics in the Process of Water Inrush in Faults	Geofluids	2019
119	Microseismic monitoring and its precursory parameter of hard roof collapse in longwall faces: A case study	Geomechanics and Engineering,	2019
120	Experimental Study on Mechanical Properties, Failure Behavior and Energy Evolution of Different Coal-Rock Combined Specimens	Applied Sciences-Basel	2019
121	Rock burst criteria of deep residual coal pillars in an underground coal mine: a case study	Geomechanics and Engineering,	2019

122	Field and numerical investigations of gateroad system failure under an irregular residual coal pillar in close - distance coal seams	Energy Science & Engineering	2019
123	Prediction of Grouting Penetration Height Along the Shaft of Base Grouted Pile	JOURNAL OF MARINE SCIENCE AND ENGINEERING	2019
124	Experimental study on properties of a new type of grouting material for the reinforcement of fractured seam floor	Journal of Materials Research and Technology-JMR&T	2019
125	Evaluation on the Stability of Vertical Mine Shafts below Thick Loose Strata Based on the Comprehensive Weight Method and a Fuzzy Matter-Element Analysis Model	Geofluids	2019
126	Application of concrete-filled steel tubular columns in gob-side entry retaining under thick and hard roof stratum: A case study	Energy Science and Engineering	2019
127	Roof Cutting Parameters Design for Gob-Side Entry in Deep Coal Mine: A Case Study	Energies	2019
128	An innovative approach for gob - side entry retaining in deep coal mines: A case study	Energy Science & Engineering	2019
129	Fissure Evolution of Weak-Cemented Jurassic Overburden Induced by Multiple-Seam Mining: A Case Study in Western China	Energy Sources, Part A	2019
130	Mechanical properties of oil shale-coal composite samples	International Journal of Rock Mechanics and Mining Sciences	2019
131	Simulation study on strength and failure characteristics of coal-rock composite sample with coal persistent joint	Archives of Mining Sciences	2019
132	Strength characteristics of roof rock-coal composite samples with different height ratios under uniaxial loading	Archives of Mining Sciences	2019
133	An experimental study of the uniaxial failure behaviour of rock-coal composite samples with pre-existing cracks in the coal	Advance in Civil Engineering	2019
134	Case studies of rock bursts in tectonic areas with facies change	Energies	2019
135	Experimental study on the failure mechanism of layer-crack structure	Energy Science & Engineering	2019
136	Influence of the variable stoping speed on the occurrence mechanism of rock burst	Geomatics, Natural Hazards & Risk	2019
137	Establishing prediction models for feeding power and material-drilling power to support sustainable machining	International Journal of Advanced Manufacturing Technology	2019
138	Uniaxial compression behavior of cement mortar and its damage-constitutive model based on energy theory	Materials	2019



139	Numerical investigation on failure evolution of surrounding rock for super-large section chamber group in deep coal mine	Energy Science & Engineering	2019
140	Investigation of the Pore Structure of Lignite at Different Temperatures and Pressures	Journal of Porous Media	2019
141	The effects of mining subsidence and drainage improvements on a waterlogged area	Bulletin of Engineering Geology and the Environment	2019
142	Experimental Study on the Shear-Flow Coupled Behavior of Tension Fractures Under Constant Normal Stiffness Boundary Conditions	Processes	2019
143	Mechanism of shear deformation, failure and energy dissipation of artificial rock joint in terms of physical and numerical consideration	Geosciences Journal	2019
144	Correlation Between Seismic Damages of Tawarayama Tunnel and Ground Deformation Under the 2016 Kumamoto Earthquake	Rock Mechanics and Rock Engineering	2019
145	Quantitative condition inspection and assessment of tunnel lining	Automation in Construction	2019
146	Anti-plane dynamic response of a non-circular tunnel with imperfect interface in anisotropic rock mass	Tunnelling and Underground Space Technology	2019
147	Shear Performance of Rock Joint Reinforced by Fully Encapsulated Rock Bolt Under Cyclic Loading Condition	Rock Mechanics and Rock Engineering	2019
148	Performance of a New Yielding Rock Bolt Under Pull and Shear Loading Conditions	Rock Mechanics and Rock Engineering	2019
149	Discrete-element numerical modelling method for studying mechanical response of methane hydrate-bearing specimens	Marine Georesources & Geotechnology	2019
150	Feasibility investigation of the mechanical behavior of methane hydrate-bearing specimens using the multiple failure method	Journal of Natural Gas Science and Engineering	2019
151	Tests on the dynamic failure rules of coal-rock composites	Acta Geodynamica et Geomaterialia	2019
152	Mechanism of rock burst based on energy dissipation theory and its applications in erosion zone	Acta Geodynamica et Geomaterialia	2019
153	Combined early warning method for rock burst and its engineering application	Advances in Civil Engineering	2019
154	Characteristics and mechanical analysis of the collapsed accumulation body in the underground fault fracture zone	ENERGY SOURCES PART A	2019
155	Nonlinear Large Deformation Mechanism and Stability Control of Deep Soft Rock Roadway: A Case Study in China	Sustainability	2019

156	Numerical Study of the Mechanical and Acoustic Emissions Characteristics of Red Sandstone under Different Double Fracture Conditions	Symmetry-Basel	2019
157	From rock microstructure to macromechanical properties based on fractal dimensions	Advances in Mechanical Engineering	2019
158	Method to Predict the Height of the Water Conducting Fractured Zone Based on Bearing Structures in the Overlying Strata	Mine Water and the Environment	2019
159	Evolutionary Game Research on Symmetry of Workers' Behavior in Coal Mine Enterprises	Symmetry	2019
160	Magnetic entropy scaling in two-dimensional intrinsically ferromagnetic semiconductor CrI3	Journal of Applied Physics	2019
161	Bed separation backfill to reduce surface cracking due to mining under thick and hard conglomerate: a case study	Royal Society Open Science	2019
162	Effects of coal's initial macro-cracks on rockburst tendency of rock-coal composite samples	Royal Society Open Science	2019
163	Experimental Investigation of the Mechanical Behavior of Layer-Crack Specimens under Cyclic Uniaxial Compression	Symmetry	2019
164	Numerical research on energy evolution in granite under different confining pressures using Otsu's digital image processing and PFC2D	Symmetry-Basel	2019
165	Simple and accurate model of fracture toughness of solids	Journal of Applied Physics	2019
166	An improved opportunity maintenance model of complex system	Advances in Mechanical Engineering	2019
167	Study on Distribution Characteristics of Mining Stress and Elastic Energy Under Hard and Thick Igneous Rocks	Geotech Geol Eng	2018
168	Study on the Fracture of Hard and Thick Sandstone and the Distribution Characteristics of Microseismic Activity	Geotech Geol Eng	2018
169	Investigation lateral deformation and failure characteristics of strip coal pillar in deep mining	Geomechanics and Engineering	2018
170	Effect of joint angle in coal on failure mechanical behaviour of roof rock-coal combined body	Quarterly Journal of Engineering Geology and Hydrogeology	2018
171	Strength and failure characteristics of the rock-coal combined body with single joint in coal	Geomechanics and Engineering	2018
172	Stability Control and Quick Retaining Technology of Gob-Side Entry: A Case Study	Advances in Civil Engineering	2018
173	Development of a New Gob-Side Entry-Retaining Approach and Its Application	Sustainability	2018

174	Risks Induced by Room Mining Goaf and Their Assessment: A Case Study in the Shenfu-Dongsheng Mining Area	Sustainability	2018
175	Structural characteristics of strata overlying of a fully mechanized longwall face: a case study	Journal of the Southern African Institute of Mining and Metallurgy	2018
176	Fatigue damage evolution of coal under cyclic loading	Arabian Journal of Geosciences	2018
177	Fatigue Characteristics of Limestone under Triaxial Compression with Cyclic Loading	Advances in Civil Engineering	2018
178	Experimental study of the movement of backfilling gangues for goaf in steeply inclined coal seams	Arabian Journal of Geosciences	2018
179	An innovative support technology employing a concrete-filled steel tubular structure for a 1000-m-deep roadway in a high in situ stress field	Tunnelling and Underground Space Technology	2018
180	In situ identification of water-permeable fractured zone in overlying composite strata	International Journal of Rock Mechanics and Mining Sciences	2018
181	Mechanical behavior of rock-coal-rock specimens with different coal thicknesses	Geomechanics and Engineering	2018
182	Mechanical properties and damage constitutive model of coal in coal-rock combined body	International Journal of Rock Mechanics and Mining Sciences	2018
183	New approaches to testing and evaluating the impact capability of coal seam with hard roof and/or floor in coal mines	Geomechanics and Engineering	2018
184	Coordinated supporting method of gob-side entry retaining in coal mines and a case study with hard roof	Geomechanics and Engineering	2018
185	Mechanism and application of concrete-filled steel tubular support in deep and high stress roadway	Construction and Building Materials	2018
186	Development of cement-based self-stress composite grouting material for reinforcing rock mass and engineering application	Construction and Building Materials	2018
187	Development and application of new composite grouting material for sealing groundwater inflow and reinforcing wall rock in deep mine	SCIENTIFIC REPORTS	2018
188	Flexural Fracture Toughness and First-Crack Strength Tests of Steel Fiber-Silica Fume Concrete and Its Engineering Applications	Strength of Materials	2018
189	Free vibration and chatter stability of a rotating thin-walled composite bar	Advances in Mechanical Engineering	2018
190	Energy modeling method of machine-operator system for sustainable machining	Energy Conversion and Management	2018

191	Establishment of an improved material-drilling power model to support energy management of drilling processes	Energies	2018
192	Experimental study on the stability of surrounding soft rocks of gob-side entry retaining in fully mechanized caving	Journal of Southern African Institute of Mining and Metallurgy	2018
193	Classification and fractal characteristics of coal rock fragments under uniaxial cyclic loading conditions	Arabian Journal of Geosciences	2018
194	Dilatation characteristics of the coals with outburst proneness under cyclic loading conditions and the relevant applications	Geomechanics and Engineering	2018
195	Ground control monitoring in backfilled strip mining under the metropolitan district: case study	International Journal of Geomechanics	2018
196	In situ investigation into fracture and subsidence of overburden strata for solid backfill mining	Arabian Journal of Geosciences	2018
197	Case studies of rock bursts under complicated geological conditions during multi-seam mining at a depth of 800 m	Rock Mechanics and Rock Engineering	2018
198	Analysis on the creep response of bolted rock using bolted burgers model	Geomechanics and Engineering	2018
199	Ground control in mining steeply dipping coal seams by backfilling with waste rock	Journal of the Southern African Institute of Mining and Metallurgy	2018
200	Case histories of rock bursts under complicated geological conditions	Bulletin of Engineering Geology and the Environment	2018
201	Numerical investigation of influences of drilling arrangements on the mechanical behavior and energy evolution of coal models	Advances in Civil Engineering	2018
202	Numerical simulation on mining effect influenced by a normal fault and its induced effect on rock burst	Geomechanics and Engineering	2018
203	Strata behaviors and rock burst-inducing mechanism under the coupling effect of a hard, thick stratum and a normal fault	International Journal of Geomechanics	2018
204	A study on the law of overlying strata migration and separation space evolution under hard and thick strata in underground coal mining by similar simulation	DYNA	2018
205	Physical simulation of mining effect caused by a fault tectonic	Arabian Journal of Geosciences	2018
206	Numerical Estimation of Suitable Gob-Side Filling Wall Width in a Highly Gassy Longwall Mining Panel	International Journal of Geomechanics	2018
207	Numerical modeling for longwall pillar design: a case study from a typical longwall panel in China	Journal of Geophysics and Engineering	2018
208	Ground stability of underground gateroad with 1 km burial depth: A case study from Xingdong coal mine, China	Journal of Central South University	2018

209	Prediction Model of Failure Zone in Roadway Sidewall considering the Lithologic Effect of Rock Formation	Mathematical Problems in Engineering	2018
210	Transfer of anchoring load in layered roadway roof under different lithological sequences	Arabian Journal of Geosciences	2018
211	2D Semimodel of Full-Section Anchorage in Thick Soft Rock Roadway	Shock and Vibration	2018
212	Horizontal Bearing Test and Optimization of m Value for Precast Piles in Alluvium Stratum of the Yellow River	Mathematical Problems in Engineering	2018
213	Research of rock burst risk induced by mining and field case in anticlinal control area	Advances in Civil Engineering	2018
214	Seismic Damage Assessment of Mountain Tunnel: A Case Study on the Tawarayama Tunnel Due to the 2016 Kumamoto Earthquake	Tunnelling and Underground Space Technology	2018
215	Size Effect on the Permeability and Shear Induced Flow Anisotropy of Fractal Rock Fractures	Fractals-Complex Geometry Patterns and Scaling in Nature and Society	2018
216	The Seepage Control of the Tunnel Excavated in High-Pressure Water Condition Using Multiple Times Grouting Method	Processes	2018
217	Behaviour of rock joint reinforced by energy-absorbing rock bolt under cyclic shear loading condition	International Journal of Rock Mechanics and Mining Sciences	2018
218	Strain-Softening Model for Marble Considering the Degradation of Elastic Modulus	Arabian Journal for Science and Engineering	2018
219	Control mechanisms and design for a 'coal-backfill-gangue' support system for coal mine gob-side entry retaining	International Journal of Oil Gas and Coal Technology	2018
220	Occurrence Mechanism of Roof-Fall Accidents in Large-Section Coal Seam Roadways and Related Support Design for Bayangaole Coal Mine, China	Advances in Civil Engineering	2018
221	Bending Moment Characteristics of Hard Roof before First Breaking of Roof Beam Considering Coal Seam Hardening	Shock and Vibration	2018
222	Experimental Investigation of Thermal Cracking and Permeability Evolution of Granite with Varying Initial Damage under High Temperature and Triaxial Compression	Advances in Materials Science and Engineering	2018
223	Study on Failure Process and Permeation Evolution of Single Cracked Rock	Advances in Materials Science and Engineering	2018
224	A Coupled Thermal-Hydraulic-Mechanical Nonlinear Model for Fault Water Inrush	Processes	2018

225	Assessment of water inrush risk using the principal component logistic regression model in the Pandao coal mine, China	Arabian Journal of Geosciences	2018
226	Influence Analysis of Mining's Effect on Failure Characteristics of a Coal Seam Floor with Faults:A Numerical Simulation Case Study in the Zhaolou Coal Mine	Mine Water and the Environment	2018
227	Experimental Development Process of a New Fluid-Solid Coupling Similar-Material Based on the Orthogonal Test	Processes	2018
228	Sensitivity Analysis of the Main Factors Controlling Floor Failure Depth and a Risk Evaluation of Floor Water Inrush for an Inclined Coal Seam	Mine Water and the Environment	2018
229	Damage constitutive model of brittle rock considering the compaction of crack	Geomechanics and Engineering	2018
230	Experimental Investigation on the Law of Grout Diffusion in Fractured Porous Rock Mass and Its Application	Processes	2018
231	Analysis of Rock Burst Risk of Roadway in Lower Seam "Knife Handle" Type Isolated Working Face	Geotechnical and Geological Engineering	2018
232	Influence of joint roughness on the shear behaviour of fully encapsulated rock bolt	Rock Mechanics and Rock Engineering	2018
233	Estimating the Support Effect of Energy-Absorbing Rock Bolts Based on the Mechanical Work Transfer Ability	International Journal of Rock Mechanics and Mining Sciences	2018
234	Growth and potential collapse of the lava dome in Unzen volcano and the estimation on block-and-ash flows	Geosciences Journal	2018
235	A modified strain-softening model with multi-post-peak behaviours and its application in circular tunnel	Engineering Geology	2018
236	Nonlinear flow characteristics of a system of two intersecting fractures with different apertures	Processes	2018
237	Key process and quality characteristic identification for manufacturing systems using dynamic weighting function and D-S evidence theory	International Journal of Performability Engineering	2018
238	A causal matrix based method for key process identification: a case study in heavy medium coal preparation	International Journal of Performability Engineering	2018
239	Effective Negative Mass Nonlinear Acoustic Metamaterial with Pure Cubic Oscillator	Advances in Civil Engineering	2018
240	Mechanical Model of the Overlying Rock Masses in Undersea Coal Mining and a Stress-Seepage Coupling Numerical Simulation	Advances in Civil Engineering	2018
241	Intelligent Evaluation System of Water Inrush in Roadway (Tunnel) and Its Application	water	2018

242	Numerical Simulation and Optimization for Double Pore Gas Drainage in Low-Permeability Fissured Coal Based on Lattice Boltzmann Method	AER-Advances in Engineering Research	2018
243	New Method to Design Coal Pillar for Lateral Roof Roadway Based on Mining-Induced Stress: A Case Study	Advances in Civil Engineering	2018
244	RELATIONS BETWEEN HUMAN ENERGY CONSUMPTION AND PHYSICAL STATE IN THE SIMULATION ENVIRONMENT OF COAL MINE	Fresenius Environmental Bulletin	2017
245	In situ investigations on failure development of overlying strata induced by mining multiple coal seams	Geotechnical Testing Journal	2017
246	The Prediction of distribution characteristics of the in-situ stress for Liuhuanggou mine field	AER-Advances in Engineering Research	2017
247	Assessment of Bearing Capacity and Stiffness in New Steel Sets Used for Roadway Support in Coal Mines	Energies	2017
248	Failure mechanism of layer-crack rock models with different vertical fissure geometric configurations under uniaxial compression	Advances in Mechanical Engineering	2017
249	Progressive mitigation method of rock bursts under complicated geological conditions	International Journal of Rock Mechanics and Mining Sciences	2017
250	Effect of saturation time on the bursting liability indexes of coal and its application for rock burst mitigation	Geotechnical and Geological Engineering	2017
251	Impact of Bedding Planes on Mechanical Properties of Sandstone	Rock Mechanics and Rock Engineering	2017
252	Multi-parameter Monitoring and Prevention of Fault-slip Rock Burst	Shock and Vibration	2017
253	Estimation of Elastic Modulus of Rock Using Modified Point-Load Test	Geotechnical Testing Journal	2017
254	Physical Simulation of High-pressure Water Inrush through the Floor of a Deep Mine	Mine Water and the Environment	2017
255	Therblig-embedded value stream mapping method for lean energy machining	Energy	2017
256	Energy consumption modeling of machining transient states based on finite state machine	International Journal of Advanced Manufacturing Technology	2017
257	Energy demand modeling methodology of key state transitions of turning processes	Energies	2017
258	An investigation into reducing spindle acceleration energy consumption of machine tools	Journal of Cleaner Production	2017
259	Application of black box model for height prediction of the fractured zone in coal mining	Geomechanics and Engineering	2017

260	Experimental Simulation of Fault Water Inrush Channel Evolution in a Coal Mine Floor	Mine Water and the Environment	2017
261	Perturbation effect of rock rheology under uniaxial compression	Journal of Central South University	2017
262	Experimental Study on Sedimentary Rock's Dynamic Characteristics under Creep State Using a New Type of Testing Equipment	Advances in Materials Science and Engineering	2017
263	Effects of main roof fracturing on energy evolution during the extraction of thick coal seams in deep longwall faces	Acta Geodynamica et Geomaterialia	2017
264	Fracture analysis of double-layer hard and thick roof and the controlling effect on strata behavior: A case study	Engineering Failure Analysis	2017
265	In situ investigations into mining-induced overburden failures in close multiple-seam longwall mining: A case study	Geomechanics and Engineering	2017
266	An Innovative Support Structure for Gob-Side Entry Retention in Steep Coal Seam Mining	Minerals	2017
267	Deformation Monitoring of Waste-Rock-Backfilled Mining Gob for Ground Control	Sensors	2017
268	Estimation of permeability of 3-D discrete fracture networks: An alternative possibility based on trace map analysis	Engineering Geology	2017
269	A New Thin Seam Backfill Mining Technology and Its Application	Energies	2017
270	A PREDICTIVE MODEL OF PERMEABILITY FOR FRACTAL-BASED ROUGH ROCK FRACTURES DURING SHEAR	Fractals-complex Geometry Patterns & Scaling in Nature & Society	2017
271	Estimation of reinforcing effects of FRP-PCM method on degraded tunnel linings	Soils & Foundations	2017
272	Experimental and numerical study on crack propagation and deformation around underground opening in jointed rock masses	Geosciences Journal	2017
273	Study on the Correlation of Vibration Properties and Crack Index in the Health Assessment of Tunnel Lining	Shock and Vibration	2017
274	Experimental Study of Coal Matrix-fracture Interaction under Constant Volume Boundary Condition	International Journal of Coal Geology	2017
275	Stress Evolution Law and Failure Characteristics of Mining Floor Rock Mass above Confined Water	KSCE Journal of Civil Engineering	2017
276	Simulation and Field Measurement Study on Roof Strata Behavior of Fully Mechanized Caving Face	AER-Advances in Engineering Research	2017
277	Numerical approach for goaf-side entry layout and yield pillar design in fractured ground conditions	Rock Mechanics and Rock Engineering	2017
278	Numerical analysis of the effects induced by normal faults and dip angles on rock bursts	Comptes rendus Mecanique	2017



279	Study on the Law of Mining Stress Evolution and Fault Activation under the Influence of Normal Fault	Acta Geodynamica et Geomaterialia	2017
280	Application of Equivalent Materials to Modeling Fractures in the Vicinity of A Normal Fault in the Area of Mining Exploitation Influence	Acta Geodynamica et Geomaterialia	2017
281	煤系逆断层发育过程及上盘岩层应力演化规律试验研究	采矿与安全工程学报	2020
282	深部煤巷帮部失稳诱冲机理及“卸-固”协同控制研究	煤炭学报	2020
283	深井冲击载荷下液压支架底板比压分布特性	煤炭学报	2020
284	煤体应力对钻进切削力的影响	中南大学学报(自然科学版)	2020
285	深部超大断面硐室群围岩变形破裂演化规律试验研究	采矿与安全工程学报	2020
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287	无人机遥感在矿业领域应用现状及发展态势	工程科学学报	2020
288	不同围压不同损伤程度红砂岩渗流特性试验研究	岩石力学与工程学报	2020
289	高温与不同水压下深部砂岩渗透特性试验研究	岩石力学与工程学报	2020
290	温度-应力-渗流耦合条件下红砂岩 渗流特性试验研究	岩石力学与工程学报	2020
291	采动裂隙突水溃砂过程物理参量变化特征试验研究	煤炭学报	2020
292	破碎矸石干湿循环长期承载变形及分形特征	采矿与安全工程学报	2020
293	条带充填坚硬顶板与充填体组合系统力学特性试验研究	采矿与安全工程学报	2020
294	双节理贯通岩石锚固机理试验研究	煤炭学报	2020
295	深部大断面硐室动静载作用下锚固承载结构稳定机理研究	采矿与安全工程学报	2020
296	隧道震害和地表变形相关性的实例分析	哈尔滨工业大学学报	2020
297	条带煤柱渐进破坏特征与机制试验研究	采矿与安全工程学报	2019
298	饱和破碎砂岩承压变形及渗流特性试验研究	采矿与安全工程学报	2019
299	煤层底板承压水导升监测系统研发应用	采矿与安全工程学报	2019
300	基于煤巷两帮基础刚度效应的控帮护巷支护原理	煤炭学报	2019
301	基于中厚板理论的深部崩落转充填隔离矿柱稳定性分析	中国矿业大学学报	2019
302	基于应变能密度的非均质岩石损伤本构模型研究	岩石力学与工程学报	2019
303	软岩回采巷道底臃破坏机制与支护技术研究	煤炭学报	2019
304	松散层拱结构及其对采动覆岩稳定性的影响	中国矿业大学学报	2019
305	松散层拱结构模型及其对覆岩运动的影响	采矿与安全工程学报	2019
306	裂隙对含孔洞砂岩力学及损伤演化特征的影响	中南大学学报(自然科学版)	2019
307	弱胶结软岩巷道围岩非协同变形及灾变机制	采矿与安全工程学报	2019
308	煤岩三轴卸围压破坏声发射本征频谱特征试验研究	采矿与安全工程学报	2019
309	循环载荷下煤样能量转化与碎块分布特征	煤炭学报	2019
310	基于 Mogi-Coulomb 准则的弹塑性损伤本构模型及其数值实现	中国矿业大学学报	2019
311	煤矿深部开采冲击地压监测解危关键技术研究	煤炭学报	2019
312	不同加载速率下顶板-煤柱结构体力学行为试验研究	煤炭学报	2018
313	煤样贯穿节理对岩-煤组合体强度及破坏特征影响模拟研究	采矿与安全工程学报	2018

314	节理特性对花岗岩起裂应力和损伤应力影响规律颗粒流模拟	应用基础与工程科学学报	2018
315	周期载荷作用下煤的疲劳变形及能量演化特征	应用基础与工程科学学报	2018
316	煤样三轴卸荷破坏的能量演化特征试验分析	采矿与安全工程学报	2018
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323	倾斜煤层底板采动应力分布规律及破坏特征	采矿与安全工程学报	2018
324	基于应力梯度理论的锚杆合理预紧力	煤炭学报	2018
325	基于能量原理的深埋隧洞 TBM 施工岩爆机理分析	采矿与安全工程学报	2017
326	固液耦合模式下含断层缺陷煤层回采诱发底板损伤及断层活化突水机制研究	岩土工程学报	2017
327	分段锚预应力锚杆加固围岩力学分析	岩土力学	2017
328	覆岩组合结构下导水裂隙带演化规律与发育高度分析	采矿与安全工程学报	2017
329	近距离煤层上行开采巷道合理布局研究	岩石力学与工程学报	2017
330	考虑长期稳定性的深井采区上山保护煤柱合理留设	采矿与安全工程学报	2017
331	复采采场再生顶板结构及支架载荷确定	岩土工程学报	2017
332	基于薄板模型的高韧性煤层难冒放机理分析	采矿与安全工程学报	2017
333	基于双承载拱的巷道再生顶板控制机理	采矿与安全工程学报	2017
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335	含弱面岩石滑移破坏及锚固控制试验研究	采矿与安全工程学报	2017
336	大直径钻孔卸压机理室内及数值试验研究	岩土工程学报	2017
337	采动应力与采空区压实承载耦合分析方法研究	煤炭学报	2017
338	充填墙提升煤柱性能机理与数值模拟研究,	采矿与安全工程学报	2017
339	深井底板突水模式及其突变特征分析	采矿与安全工程学报	2017
340	“顶板-煤柱”结构体力学特性及其渐进破坏机制研究	岩石力学与工程学报	2017