

2021 年度论文发表情况

(一) SCIE 论文

序号	文章名称	作者	期刊	分区 (中科院)
1	A Many-objective Evolutionary Algorithm with Reference Points-based Strengthened Dominance Relation	顾清华	Information Sciences	一区
2	Improved Strength Pareto Evolutionary Algorithm Based on Reference Direction and Coordinated Selection Strategy	顾清华	International Journal of Intelligent	一区
3	A novel F-SVM based on FOA for improving SVM performance	顾清华	Expert System with Application	一区
4	An Improved Competitive Particle Swarm Optimization for Many-objective Optimization Problems	顾清华	Expert System with Application	一区
5	Probabilistic fatigue failure assessment of free spanning subsea pipeline using dynamic Bayesian network	李新宏	Ocean Engineering	一区
6	Permeating behaviour of porous SiC ceramics fabricated with different SiC particle sizes	刘冬华	Ceramics International	一区
7	Comparative study on flame retardancy of phosphates modified waterborne styrene-acrylate emulsion-based coatings: Experiment and DFT calculation	王亚超	Progress in Organic Coatings	一区
8	Diverse zeolites derived from a circulating fluidized bed fly ash based geopolymer for the adsorption of lead ions from wastewater	贺攀阳	Journal of Cleaner Production	一区
9	Superpixel Image Segmentation-Based Particle Size Distribution Analysis of Fragmented Rock	杨震	IEEE Access	二区
10	A Practical, Integrated Multi-Criteria Decision-Making Scheme for Choosing Cloud Services in Cloud Systems	卢才武	IEEE Access	二区
11	Effect of the lenticles on moisture migration in capillary zone of tailings dam	卢才武	International Journal Of Minerals Metallurgy And Materials	二区
12	Effective recovery of chalcopyrite at low temperatures using a modified ester collector	卜显忠	Transactions of Nonferrous Metals Society of China	二区

13	A data-driven corrosion prediction model to support digitization of subsea operations	李新宏	Process Safety and Environmental Protection	二区
14	Dynamic prediction of indoor wet bulb globe temperature in an industrial workshop	孟晓静	Applied Thermal Engineering	二区
15	Movement and acoustic radiation of a rising bubble from combustion of pyrotechnic mixtures using experiment and image processing method	欧阳的华	Physics of Fluids	二区
16	An improved assisted evolutionary algorithm for data-driven mixed integer optimization based on Two_Arch	顾清华	Computer&Industrial Engineering	二区
17	Surrogate- assisted evolutionary algorithm for expensive constrained multi- objective discrete optimization problems	顾清华	Complex & Intelligent Systems	二区
18	Multi-objective Particle Swarm Optimization with R2-indicator and Adaptive Method	顾清华	Complex & Intelligent Systems	二区
19	A surrogate-assisted radial space division evolutionary algorithm for expensive many-objective optimization problems	顾清华	Applied Soft Computing	二区
20	A surrogate-assisted multi-objective particle swarm optimization of expensive constrained combinatorial optimization problems	顾清华	Knowledge-Based Systems	二区
21	Investigation of microcracking behaviors in brittle rock using polygonal grain-based distinct method	汪朝	International journal for numerical and Analytical Methods	二区
22	Waste-to-resource strategies for the use of circulating fluidized bed fly ash in construction materials: A mini review	贺攀阳	Powder Technology	二区
23	Selective Pre-leaching of Tellurium From Telluride-Type Gold Concentrate	杨玮	Frontiers in Chemistry	二区
24	Regulation of Lead Oxide on Cyaniding Behavior of Chalcopyrite	杨玮	Applied Surface Science	二区
25	Risk assessment of offshore fire accidents caused by subsea gas release	李新宏	Applied Ocean Research	三区

26	A semi-quantitative methodology for risk assessment of university chemical laboratory	李新宏	Journal of Loss Prevention in the Process Industries	三区
27	Dynamic probability assessment of urban natural gas pipeline accidents considering integrated external activities	李新宏	Journal of Loss Prevention in the Process Industries	三区
28	Sensitivity analysis of envelope design parameters of industrial buildings with natural ventilation	孟晓静	Sustainability	三区
29	Deterioration mechanism on flame retardancy of aliphatic waterborne polyurethane-based hybrid coatings under ultraviolet radiation: Experiment and pyrolysis kinetics	王亚超	Colloids and Surfaces A	三区
30	Experimental investigation into the influences of weathering on the mechanical properties of sedimentary rocks	吴赛赛	Geofluids	三区
31	An Improved Bagging Ensemble Surrogate-assisted Evolutionary Algorithm for Expensive Many-Objective Optimization	顾清华	Applied Intelligence	三区
32	Modified non-dominated sorting genetic algorithm III with fine final level selection	顾清华	Applied Intelligence	三区
33	Investigation into Macro- and Microcrack Propagation Mechanism of Red Sandstone under Different Confining Pressures Using 3D Numerical Simulation and CT Verification	张雯	Geofluids	三区
34	Investigation into the effects of grain size on strength and failure behaviors of granites using a breakable polygonal grain-based model	汪朝	Bulletin Of Engineering Geology And The Environment	三区
35	Insight into the influence of mineralogical properties of pristine pyrite on its bioleaching with thermophiles	邓莎	Mineral Processing and Extractive Metallurgy Review	三区
36	Influence of ferric ions on the electrochemical dissolution behaviors of arsenopyrite in sulfuric acid of pH 1	邓莎	Mineral Processing and Extractive Metallurgy Review	三区
37	Adsorption Behaviors of Straight-Chain Alkanes on a Molybdenite [001]/[100] Surface: A Molecular Dynamics Study	宛鹤	Minerals	三区
38	Development of a facile and robust silicomanganese slag-based geopolymer membrane for oil/water separation	贺攀阳	Colloids and Surfaces A: Physicochemical	三区

39	Strengthening the inhibition effect of sodium silicate on muscovite by electrochemical modification	王宇斌	Minerals Engineering	三区
40	Oxidation Roasting of Fine-Grained Carbonaceous Gold Ore: The Effect of Aeration Rate	肖巍	Minerals	三区
41	Hydrophobic agglomeration flotation of oxidized digenite fine particles induced by Na ₂ S and butyl xanthate	薛季玮	Minerals Engineering	三区
42	Effect of ferric ions on sulfidization flotation of oxidized digenite fine particles and their significance	薛季玮	Minerals	三区
43	The estimating bubble shape behavior from combustion of pyrotechnic mixtures underwater	欧阳的华	Fluid Dynamics	四区
44	Preparation and the Thermal Properties of Porous Barium Nitrate	欧阳的华	Science and Technology of Energetic Materials	四区
45	Stability and Countermeasures for a Deposit Slope with Artificial Scarp: Numerical Analysis and Field Monitoring	洪勇	Advances In Civil Engineering	四区
46	Prediction of Proton Exchange Membrane Fuel Cell Performance Based on Back Propagation Neural Network Optimized by Genetic Algorithm	卢才武	Science of Advanced Materials	四区
47	Research on Evolution of Collaboration Mechanism of Stakeholders in Mining Enterprises' Implementation of Social Responsibility	聂兴信	RAIRO-Operations Research	四区
48	Strengthening the rough selection effect of n-ethyl o-isopropyl thionocarbamate (Dow: Z-200) on chalcopyrite by ultrasonic pretreatment	王宇斌	Physicochemical Problems Of Mineral Processing	四区
49	Measuring interpersonal transmission of expiratory droplet nuclei in close proximity	付林志	Indoor and Built Environment	四区
50	Preparation and Photocatalytic Properties of Novel Alkali-Activated-Steel-Slag-Based Composite	景亚杰	Science of Advanced Materials	四区

51	Microstructural variations and damage evolvement of salt rock under cyclic loading	王军保	International Journal of Rock Mechanics and Mining Sciences	一区
52	Comparative studies on isothermal attachment ventilation based on vertical walls, square and circular columns	李安桂	Energy & Buildings	二区
53	The occurrence of MgO and its influence on properties of clinker and cement: A review	李辉	Construction and Building Materials	一区
54	The occurrence of MgO and its influence on properties of clinker and cement: A review	陈延信	Construction and Building Materials	一区
55	A novel approach for solar greenhouse air temperature and heating load prediction based on Laplace transform	李安桂	Journal of Building Engineering	二区
56	Study on attached ventilation based on inclined walls	李安桂	Building Simulation	一区
57	Efficient degradation of minocycline by natural bornite-activated hydrogen peroxide and persulfate: kinetics and mechanisms	王磊	Environmental Science and Pollution Research	三区
58	Grey Lotka-Volterra model for the co-evolution of technological innovation, resource, consumption, environmental quality, and high-quality industrial development in Shaanxi Province, China	黄光球	Environmental Science And Pollution Research	三区

(二) SSCI 论文

序号	文章名称	作者	期刊
1	Cumulative Effect and Content Variation of Toxic Trace Elements in Human Hair around Xiaoqinling Gold Mining Area, NorthWestern China	杨敏	International Journal of Environmental Research and Public Health

2	Detecting cadmium contamination in loessal soils using near-infrared spectroscopy in the Xiaqingling gold area	杨敏	Energy & Environment
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(三) 中文论文

序号	文章名称	作者	期刊	等级
1	多尺度特征融合的露天矿区道路负障碍检测	阮顺领	煤炭学报	EI
2	基于粒径效应影响的尾矿毛细特性试验	卢才武	中国有色金属学报	EI
3	海洋水合物开采分解气体泄漏运移后果评估	李新宏	中国安全科学学报	CSCD
4	基于风险与成本的海洋溢油事故应急控制决策	李新宏	中国安全科学学报	CSCD
5	基于改进 Faster R-CNN 的铁路客车螺栓检测研究	赵江平	中国安全科学学报	CSCD
6	深井矿工身心安全态势的热湿影响等级评定	聂兴信	中国安全科学学报	CSCD
7	基于多元联系数的矿工身心安全影响态势评估	聂兴信	中国安全科学学报	CSCD
8	高温作业环境下人体生理状态模糊综合评价	孟晓静	安全与环境学报	CSCD
9	基于 WSR-TOPSIS 的学生公寓火灾风险评价	石广斌	安全与环境学报	CSCD
10	基于组合赋权法-云模型的采矿工作面热湿度风险等级评定研究	聂兴信	安全与环境学报	CSCD
11	基于深度学习的复杂作业场景下安全帽识别研究	李华	中国安全生产科学技术	CSCD
12	基于社会技术系统的复工企业疫情防控风险路径研究	李华	中国安全生产科学技术	CSCD
13	基于图论的生产安全事故风险预警指标筛选及分析	赵江平	中国安全生产科学技术	CSCD
14	硅油改性尿素基膨胀型阻燃剂的制备与表征	赵江平	中国安全生产科学技术	CSCD
15	储气库注采管柱螺纹失效动态风险评估	张认认	中国安全生产科学技术	CSCD
16	多组分捕收剂对辉铜矿的协同效应	卜显忠	矿冶工程	CSCD

17	酸性体系下不同成因黄铁矿的浸出行为与电 化学性质差异	邓 莎	矿冶工程	CSCD
18	无人机采场图像二维经验小波变换降噪研究	卢才武	测绘科学	CSCD
19	天然气管道失效致因与事故链模型研究	李新宏	油气田地面工程	CSCD
20	高雷诺数下变截面分流歧管面积比对流体分 配性能的影响	杨宏刚	过程工程学报	CSCD
21	基于径向空间划分的昂贵多目标进化算法	顾清华	自动化学报	CSCD
22	基于动态自适应的双档案大规模稀疏优化算 法	顾清华	模式识别与人工智能	CSCD
23	基于距离优势关系的高维多目标进化算法	顾清华	计算机科学与探索	CSCD
24	基于改进 HED 网络模型的破碎矿石图像分割 方法	顾清华	激光与光电子学进展	CSCD
25	化工园区地震级联灾害情景构建与演化分析	赵江平	自然灾害学报	CSCD
26	基于 VMD-SSA 的微震信号降噪	卢才武	地球物理学进展	CSCD
27	互联互通对中国钢铁产品出口效率的影响— —基于“一带一路”沿线国家的实证	卢才武	统计与决策	CSCD
28	基于改进 DeepLabv3+网络的露天矿路网提 取方法	阮顺领	激光与光电子学进展	CSCD
29	基于三维巷道模型的深孔爆破扇形布孔优化 设计	郭进平	工程爆破	CSCD
30	基于 Floyd 算法的扇形中深孔爆破布孔优化 设计	郭进平	爆破	CSCD
31	基于进化算法 MOEA/D-AU 的露天矿多金属多 目标智能配矿研究	顾清华	有色金属（矿山部分）	SCD
32	复杂铜硫多金属矿综合利用试验研究	王宇斌	有色金属(选矿部分)	SCD
33	电化学预处理对 Pb ²⁺ 活化白云母可浮性的调 控机理	王宇斌	有色金属(选矿部分)	SCD
34	基于人工鱼群神经网络进化的露天矿卡车优 化调度研究	阮顺领	矿业研究与开发	SCD
35	基于视频图像的储煤场煤堆自燃检测方法	卢才武	矿业研究与开发	SCD

36	分段矿房嗣后充填采矿采场结构参数优化研究	郭进平	矿业研究与开发	SCD
37	四川某硫化铅锌矿选矿工艺试验研究	卜显忠	矿业研究与开发	SCD
38	我国钼精矿价格波动特性研究：基于 GARCH 簇模型的实证分析	卢才武	中国矿业	SCD
39	基于 CiteSpace 的深井开采研究可视化分析	卢才武	采矿技术	SCD
40	基于 Auto CAD 的三维巷道可视化建模及应用	郭进平	采矿技术	SCD
41	蒙特卡洛模拟法在矿业项目净现值计算中的应用	李角群	采矿技术	SCD
42	新疆某铁矿降锌脱硫工艺研究	卜显忠	金属矿山	SCD
43	青藏某难选铜钼混合精矿高效分离试验研究	卜显忠	金属矿山	SCD
44	基于大风流综合净化技术的深井可控循环通风系统研究	聂兴信	金属矿山	SCD
45	采空区通地表漏风状态下的矿井诱导通风系统研究	聂兴信	金属矿山	SCD
46	钢渣化学成分对钢渣基生态活性炭降解甲醛性能的熵权-灰色关联综合分析	赵江平	化工矿物与加工	SCD
47	粒构分布对钢渣基生态活性炭降解甲醛性能的变异系数-灰色关联综合分析	赵江平	化工矿物与加工	SCD
48	半水硫酸钙晶须水化质量分数对其水化能力的影响研究	王宇斌	化工矿物与加工	SCD
49	基于深度卷积特征的露天矿卡车装载状况识别技术研究	阮顺领	煤炭科学技术	SCD
50	助磨剂 EDTA 在超细石膏粉体制备过程中的作用机制	王宇斌	矿产保护与利用	SCD
51	电化学改性对钙离子活化白云母能力的影响机理	王宇斌	矿产保护与利用	SCD
52	六偏磷酸钠对制备超细生石膏粉体的助磨作用及其机理研究	王宇斌	矿产保护与利用	SCD
53	浮选过程中辉钼矿的氧化溶解特性	王宇斌	矿产保护与利用	SCD
54	甘肃某金矿浮选正交试验研究	王宇斌	贵金属	SCD
55	纳米气泡在微细粒矿物浮选中的应用现状	肖巍	净水技术	SCD

56	TiO ₂ 改性膨胀型阻燃涂料的制备与性能	赵江平	新型建筑材料	SCD
57	基于变权可拓理论的煤矿安全风险预警	赵江平	煤	T3
58	干湿循环效应下 Na ₂ SO ₄ 盐渍原状黄土渗透特性与细观机制	许健	中南大学学报(自然科学版)	EI
59	不同链长的吡啶基离子液体在盐酸中对 N80 钢的缓蚀行为	薛娟琴	材料保护	CSCD
60	气体在不同离子液体中电化学响应灵敏度的研究	薛娟琴	化学研究与应用	CSCD