



QK1857191

CODEN ZKDXEH

中国矿业大学

JOURNAL OF
CHINA UNIVERSITY OF
MINING & TECHNOLOGY

学报

2018年11月 第6期(卷终) 第47卷

6
2018

百种中国杰出学术期刊
国家新闻出版广电总局“百强报刊”
中国国际影响力优秀学术期刊
中国高校出版科技期刊
万方数据

ZHONGGUO KUANGYE DAXUE XUEBAO

中国矿业大学学报

2018年第47卷第6期(卷终)

目次

切顶成巷工作面矿压分区特征及其影响因素分析

..... 何满潮,王亚军,杨军,高玉兵,高庆,王世彬 (1157)

预应力锚索剪切力学特性试验研究

..... 杨仁树,李永亮,王茂盛,朱晔,程永新,肖成龙,赵勇 (1166)

急倾斜煤层水平分段综放顶板“倾倒-滑塌”破坏模式 王家臣,杨胜利,李良晖 (1175)

采场覆岩垮落形态与演化的分布式光纤检测试验研究

..... 柴敬,薛子武,郭瑞,张丁丁,袁强,李毅 (1185)

深部巷道钢管混凝土支架承载性能研究进展

..... 刘德军,左建平,郭淞,王军,李英杰,张堂亮 (1193)

采动覆岩活动规律的“空-地”监测技术..... 张炜,张伟胜,张东升,胡文敏,孙毓言,唐佳佳 (1212)

环保型煤自燃阻化剂的阻化特性及机理研究

..... 张玉涛,史学强,李亚清,刘宇睿,李山山,黄遥 (1224)

复合岩层变形及强度特性卸围压试验研究..... 程建龙,杨圣奇,殷鹏飞,刘相如 (1233)

表贴式光纤光栅锚杆应变感知机理与应用研究..... 梁敏富,方新秋,陈宁宁,马盟,李绪锦 (1243)

湖相泥页岩不同赋存状态油定量对比——以渤海湾盆地东营凹陷页岩油探井取心段为例

..... 李志明,刘鹏,钱门辉,黎茂稳,曹婷婷,陶国亮,蒋启贵,鲍云杰 (1252)

基于测井岩石物理相识别的低渗透储层评价方法——以东营凹陷高青地区蒙阴组上段为例

..... 王亚,杨少春,路研,王喜冬,马宝全,赵永福 (1264)

南堡凹陷高深北区三维非均质应力场精细预测..... 徐珂,戴俊生,冯建伟,商琳,任启强 (1276)

南堡凹陷北端古近系地层构造解析——断层链接处“变换生长”现象及其意义

..... 刘晓文,常迪,施尚明,何春波,魏华彬 (1287)

北三台凸起周缘三叠系物源体系与沉积演化

..... 肖杰,王健,操应长,徐琦松,秦志军,陈洪 (1295)

寺河矿区压裂煤储层中裂缝与流动通道模型..... 肖宇航,王生维,吕帅锋,谷媛媛,董庆祥 (1305)

海相碎屑岩水平井隔夹层识别与表征——以哈得逊油田东河砂岩为例

..... 余义常,徐怀民,江同文,郭睿,高兴军,徐朝晖,陈海莲,宁超众 (1313)

基于流形嵌入过采样的非平衡数据分类方法..... 程健,杨凌凯,崔宁,郭一楠 (1325)

静流场中赤铁矿絮凝体-气泡碰撞概率影响因素研究..... 牛福生,刘亚,张晋霞,付董帅 (1334)

镁掺杂羟基磷灰石的制备及其对 Cu^{2+} 的吸附性能研究

..... 王丽萍,张灿,赵雅琴,邹红,张家明 (1340)

密度对电厂中速磨煤机分离器分离过程的影响

..... 李红,何亚群,彭真,杨金山,贾建文,张蓟领 (1348)

微生物注浆改善某金属矿尾砂性质的试验研究..... 伍玲玲,张志军,喻清,潘宇翔,胡林 (1354)

稀土复垦矿区油桐叶绿素含量反射光谱估算研究..... 李恒凯,欧彬,王英浩 (1360)

信标模式下磁感应透地通信传输距离分析模型..... 田文龙,杨维 (1368)

输送带故障在线检测非均匀光照图像校正方法..... 高瑞,苗长云,苗苗,李现国 (1378)

基于变分 Retinex 模型的雾天图像增强方法..... 顾振飞,张登银 (1386)

《中国矿业大学学报》蝉联“中国高校杰出科技期刊”称号 (1359)

Contents

Zonal characteristics and its influence factors of working face pressure using roof cutting and pressure-relief mining method with no pillar and roadway formed automatically	HE Manchao, WANG Yajun, YANG Jun, GAO Yubing, GAO Qing, WANG Shibin	(1157)
Experimental study of shear mechanical properties of prestressed cable bolts	YANG Renshu, LI Yongliang, WANG Maosheng, ZHU Ye, CHENG Yongxin, XIAO Chenglong, ZHAO Yong	(1166)
Toppling-slumping failure mode in horizontal sublevel top-coal caving face in steeply-inclined seam	WANG Jiachen, YANG Shengli, LI Lianghai	(1175)
Experimental study of overlying mine strata collapse and its evolution by a distributed optical fiber system	CHAI Jing, XUE Ziwu, GUO Rui, ZHANG Dingding, YUAN Qiang, LI Yi	(1185)
Research on load-bearing ability of steel tube confined concrete supports for deep roadway: State of the art	LIU Dejun, ZUO Jianping, GUO Song, WANG Jun, LI Yingjie, ZHANG Tangliang	(1193)
Monitoring technology of "space-surface" for activity laws of mining-induced overburden	ZHANG Wei, ZHANG Weisheng, ZHANG Dongsheng, HU Wenmin, SUN Yuyan, TANG Jiajia	(1212)
Mechanism and inhibiting effects of environmental-friendly inhibitor on coal spontaneous combustion	ZHANG Yutao, SHI Xueqiang, LI Yaqing, LIU Yurui, LI Shanshan, HUANG Yao	(1224)
Experimental study of the deformation and strength behavior of composite rock specimens in unloading confining pressure test	CHENG Jianlong, YANG Shengqi, YIN Pengfei, LIU Xiangru	(1233)
Strain sensing mechanism of surface bonded fiber Bragg grating bolt and its application	LIANG Minfu, FANG Xinqiu, CHEN Ningning, MA Meng, LI Xujin	(1243)
Quantitative comparison of different occurrence oil for lacustrine shale: A case from cored interval of shale oil special drilling wells in Dongying depression, Bohai Bay basin	LI Zhiming, LIU Peng, QIAN Menhui, LI Maowen, CAO Tingting, TAO Guoliang, JIANG Qigui, BAO Yunjie	(1252)
Evaluation method of low permeability reservoirs based on logging petrophysical facies identification: A case study of the upper member of Mengyin formation in Gaoqing area, Dongying depression	WANG Ya, YANG Shaochun, LU Yan, WANG Xidong, MA Baoquan, ZHAO Yongfu	(1264)
Prediction of 3D heterogeneous in-situ stress field of northern area in Gaoshen, Nanpu sag, Bohai Bay basin, China	XU Ke, DAI Junsheng, FENG Jianwei, SHANG Lin, REN Qiqiang	(1276)
Structure analysis of the Paleogene strata in the northern Nanpu sag: The "transfer growth" phenomenon in fault links and its significance	LIU Xiaowen, CHANG Di, SHI Shangming, HE Chunbo, WEI Huabin	(1287)
Provenance system and sedimentary evolution of the Triassic in the margin area of the Beisantai uplift	XIAO Jie, WANG Jian, CAO Yingchang, XU Qisong, QIN Zhijun, CHEN Hong	(1295)
Fracture and flow channel model in fractured coal reservoir of Sihe mining area	XIAO Yuhang, WANG Shengwei, LYU Shuaifeng, GU Yuanyuan, DONG Qingxiang	(1305)
Identification and characterization of interlayers on horizontal well in marine clastic reservoirs: A case study of Donghe sandstone in Hadeson oilfield, Tarim basin	YU Yichang, XU Huaimin, JIANG Tongwen, GUO Rui, GAO Xingjun, GAO Xingjun, XU Zhaohui, CHEN Hailian, NING Chaozhong	(1313)
A novel pattern classification method for imbalanced data set based on manifold embedded over-sampling	CHENG Jian, YANG Lingkai, CUI Ning, GUO Yinan	(1325)
Influencing factors of the collision probability of hematite flocs-bubble in the static flow field	NIU Fusheng, LIU Ya, ZHANG Jinxia, FU Dongshuai	(1334)
Synthetic magnesium-doped hydroxyapatite particles and adsorption characteristics of Cu^{2+} from aqueous solution	WANG Liping, ZHANG Can, ZHAO Yaqin, ZOU Hong, ZHANG Jiaming	(1340)
Effect of material density on classification performance in air classifier of vertical spindle mill	LI Hong, HE Yaqun, PENG Zhen, YANG Jinshan, JIA Jianwen, ZHANG Jiling	(1348)
Improvement of the tailings properties in a metal mine by microbiological grouting	WU Lingling, ZHANG Zhijun, YU Qing, PAN Yuxiang, HU Lin	(1354)
Estimation of chlorophyll content of Vernicia fordii leaves by reflection spectra in reclaimed land of rare earth mine	LI Hengkai, OU Bin, WANG Yinghao	(1360)
Analytical model of transmission distance for magnetic induction through-the-earth communication under the beacon mode	TIAN Wenlong, YANG Wei	(1368)
Correction method of non-uniform illumination image for on-line fault detection of conveyor belt	GAO Rui, MIAO Changyun, MIAO Di, LI Xianguo	(1378)
A hazy image enhancement method based on the variational Retinex model	GU Zhenfei, ZHANG Dengyin	(1386)

校名题字 邓小平

本刊为

中文核心期刊

《中国科学引文数据库》(CSCD) 源刊

中国科技论文统计源期刊(CSTPCD)

《工程索引》(Ei Compendex) 收录期刊

Scopus 收录期刊

俄罗斯《文摘杂志》(AJ) 收录期刊

美国《化学文摘》(CA)、《剑桥科学文摘》(CSA) 收录期刊

英国《煤文摘》(Coal Abstracts)、《煤文精选》(CH) 收录期刊

中国矿业大学
学报

ZHONGGUO KUANGYE DAXUE XUEBAO

(双月刊, 1955年创刊)

第47卷第6期(卷终)(总第225期)2018年11月

Journal of China University of
Mining & Technology

(Bimonthly, Started in 1955)

Vol.47 No.6(Series No.225) Nov.2018

主管单位 中华人民共和国教育部
主办单位 中国矿业大学
编辑出版 中国矿业大学学报编辑部
(江苏徐州 221008)

主 编 骆振福
印 刷 中矿大印发科技有限公司
订 阅 全国邮局 邮发代号 28-73
国外发行 中国出版对外贸易总公司
(北京 782 信箱)

Administrated by Ministry of Education, P.R.China
Sponsored by China University of Mining and Technology
Edited and Published by Editorial Board of Journal of CUMT
(Xuzhou, Jiangsu 221008)

Editor in Chief LUO Zhenfu

Distributed by China Publication Foreign Trading
Corporation (P.O.Box 782, Beijing, China)



中国标准连续出版物号: ISSN 1000-1964
CN 32-1152/TD

定价: 30.00元

<http://zgkd.chinajournal.net.cn>
<http://xb.cumt.edu.cn>
E-mail: journal@cumt.edu.cn

ISSN 1000-1964



9 771000 196185

