

中国科学引文数据库来源期刊
中文核心期刊
中国科技核心期刊
JST日本科学技术振兴机构数据库收录 俄罗斯AJ收录
中国科技期刊卓越行动计划集群化试点项目期刊
有色金属领域高质量科技期刊分级目录
中国有色金属优秀出版物

ISSN 1006 - 7051
CN 11 - 3675 / TD
CODEN GBOAA9

ENGINEERING BLASTING

工

程

爆

破

中国有色金属工业协会主管
中国爆破行业协会主办

万方数据

3
2021
Vol.27 No.3

目 次

理论研究与科学实验

- 动载下矿岩-充填体能量传递规律及破坏特性 李祥龙,袁芝斌,王建国,冷智高,段应明,范天林 (1)
胶结充填体在动荷载作用下的响应特征 王建国,马军,罗世云,陶子豪,左庭,张智宇 (9)
包覆泡沫铝钢梁动态位移的计算及影响因素 康建功,孙妙娟 (14)
爆破振动信号 3 种经验模态分解差异性研究 付晓强,俞缙,崔秀琴,戴良玉,黄建国,任文斌 (21)
复杂环境框剪高层楼房精确转体定向拆除爆破 蒲文龙,刘洋,公文新,刘启进,周静,赵子琪 (29)
动载下胶结充填体的力学特性试验研究 韩亮,刘健修 (35)
白垩系冻结砂岩动态统计损伤本构关系研究 秦越,王磊,苏宏明,陈世官 (42)

岩土爆破

- 深水区厚淤泥层回填石渣爆破挤淤技术 张敏,林玉葵,李晓杰 (51)
露天矿山台阶爆破技术发展现状及展望 李萍丰,张兵兵,谢守冬 (59)
隧洞开挖典型掏槽设计方法 杨玉银,张艳如,杨仕杰,刘志辉,张俊娇 (63)
复杂环境下火车站场地平整控制爆破 郭明福,王海亮,徐品德,李嘉 (70)

特种爆破

- 液态 CO₂ 相变开挖岩体孔间距参数研究 赵程鹏,商武峰,许小泉,洪志先 (74)
双层爆炸复合中覆板最小可焊厚度的分析 张仲一,郭子如,周佐玉,王自军,方中华,魏善太,何志伟,刘伟 (83)
大型废旧鱼雷的销毁方法研究与应用 彭小芬,黄寅生,王志强 (89)

爆破监测与安全

- 地铁隧道小净距下穿地下洞室振速控制研究 陈沛,吴剑锋,蒙云琪,张兆龙,李小贝,何理 (94)
下穿原油管线隧道爆破振动响应研究 黄志波,吴能森,郑宏利,林从谋,庄铃强 (102)
井下乳化炸药混装车连续敏化器结构优化 石怡帆,田惺哲,席韬,段莉莉 (108)
桔瓣式球型储液罐爆破振动响应分析 赵康,王猛,何志杰,夏治园,马刘博,胡坤伦 (113)
某铅锌矿采空区处理与矿柱爆破的协同技术 辛文彬,张际敏,林春霞,万串串,崔松 (119)

* * *

- 征稿征订 •《工程爆破》征稿征订启事 (58)
• 征稿简则 •《工程爆破》征稿简则 (封二)
• 书 讯 • 英汉爆破技术词典 * * 全国工程爆破技术人员统一培训教材 * * 爆破术语等 22 种图书、标准 (封三)

Contents

Theoretical study & scientific test

- Energy transfer law and fracture characteristics of ore rock-filling body under dynamic load LI Xiang-long, YUAN Zhi-bin, WANG Jian-guo, LENG Zhi-gao, DUAN Ying-ming, FAN Tian-lin(1)
- Response characteristics of cemented backfill under dynamic load WANG Jian-guo, MA Jun, LUO Shi-yun, TAO Zi-hao, ZUO Ting, ZHANG Zhi-yu(9)
- Calculation and influence factors of dynamic displacement of aluminum foam coated beams KANG Jian-gong, SUN Miao-juan(14)
- Study on difference of three empirical mode decompositions of blasting vibration signal FU Xiao-qiang, YU Jin, CUI Xiu-qin, DAI Liang-yu, HUANG Jian-guo, REN Wen-bin(21)
- Precise rotation directional demolition blasting of frame shear high building in the complex environment PU Wen-long, LIU Yang, GONG Wen-xin, LIU Qi-jin, ZHOU Jing, ZHAO Zi-qi(29)
- Experimental study on mechanical properties of cemented backfill under dynamic loading HAN Liang, LIU Jian-xiu(35)
- Study on dynamic statistical damage constitutive relation of cretaceous frozen sandstone QIN Yue, WANG Lei, SU Hong-ming, CHEN Shi-guan(42)

Rock blasting

- Blasting squeezing silt technology for replacing thick-silt with fragmental rock in deep water ZHANG Min, LIN Yu-kui, LI Xiao-jie(51)
- Development status and prospect of bench blasting technology in open-pit mine LI Ping-feng, ZHANG Bing-bing, XIE Shou-dong(59)
- Typical cutting design methods in tunnel excavation YANG Yu-yin, ZHANG Yan-ru, YANG Shi-jie, LIU Zhi-hui, ZHANG Jun-jiao(63)
- Controlled blasting for railway station ground leveling in a complicated environment GUO Ming-fu, WANG Hai-liang, XU Pin-de, LI Jia(70)

Special blasting

- Study on borehole spacing parameters of rock excavation by liquid CO₂ phase change ZHAO Cheng-peng, SHANG Wu-feng, XU Xiao-quan, HONG Zhi-xian(74)
- Analysis of minimum weldable thickness of flyer plate in bimetal explosive welding ZHANG Zhong-yi, GUO Zi-ru, ZHOU Zuo-yu, WANG Zi-jun, FANG Zhong-hua, WEI Shan-tai, HE Zhi-wei, LIU Wei(83)
- Research and application of destruction method of large waste torpedo PENG Xiao-fen, HUANG Yin-sheng, WANG Zhi-qiang(89)

Blasting monitoring & safety

- Research on vibration velocity control of metro tunnel through underground cavern at a short net distance CHEN Pei, WU Jian-feng, MENG Yun-qi, ZHANG Zhao-long, LI Xiao-bei, HE Li(94)
- Research on blasting vibration response of oil pipeline underpassed by a tunnel HUANG Zhi-bo, WU Neng-sen, ZHENG Hong-li, LIN Cong-mou, ZHUANG Ling-qiang(102)
- Structure optimization of continuous sensitizer in the underground emulsion explosive mixing and loading vehicle SHI Yi-fan, TIAN Xing-zhe, XI Tao, DUAN Li-li(108)
- Analysis of blasting vibration response of orange-like spherical liquid storage tank ZHAO Kang, WANG Meng, HE Zhi-jie, XIA Zhi-yuan, MA Liu-bo, HU Kun-lun(113)
- Collaborative technology of mine goaf disposal and pillar blasting in a Lead-Zinc mine XIN Wen-bin, ZHANG Ji-min, LIN Chun-xia, WAN Chuan-chuan, CUI Song(119)