



中国矿业 CHINA MINING MAGAZINE

刊名题字:薄一波
2011年第20卷3期(总第163期)
(月刊)
1992年创刊

《中国矿业》杂志社恭祝
全国矿业工作者以及广大
读者、作者健康快乐!

《中国矿业》国内视点

体现中华矿业风貌
荟萃改革创新业绩
纵论企业经济框架
谱写科技兴矿篇章

《中国矿业》国外视点

把握国外矿业动态
了解最新工艺技术
沟通科技成果信息
借鉴先进管理经验

主 管:国土资源部

主 办:中国矿业联合会

编 辑:《中国矿业》编辑部

出 版:《中国矿业》杂志社

社 长:崔德文

总 编 辑:陈颂今

法律顾问:北京长安律师事务所 李玉红

编辑部电话:010-68332570

广告部电话:010-62211488

传 真:010-88374941

电子信箱:magazine@chinamining.org

地 址:北京市西直门北大街45号

时代之光名苑2号楼901

邮 编:100044

国际标准刊号:ISSN 1004-4051

国内统一刊号:CN11-3033/TD

邮发代号:2-566

国内发行:北京市报刊发行局

国外发行:中国国际图书贸易总公司

印 刷:北京科信印刷有限公司

广告经营许可证:京西工商广字第8067号

订 阅:全国各地邮政局

定 价:15元

出版日期:2011年3月15日

目 次

矿业综述

西藏地区油气资源潜力与战略选区 张大伟 (1)
我国多层次矿业资本市场建设与发展探析 李 刚 (6)
山东黄金数字矿山建设实践 陈五民, 李国清, 何吉平, 等 (10)
东西部煤炭企业资源整合的路径选择 肖亚宁, 宋华岭, 宋晓倩 (15)
资源型城市产业转型模式探讨——以盘锦市为例

..... 陈孝劲, 崔 彬, 郝 举 (19)
对中美能源合作前景的思考 夏妍妍, 车长波, 李富兵 (23)

管理专论

煤炭企业化管理建设倡议 吴同性 (26)
我国石油安全的灰色物元分析研究 徐 凯, 常军乾 (29)
论石油天然气工程项目的投资控制 郑 敏, 王景锋 (32)
微量信息下探矿权评估方法选择研究 袁 颖, 王 翔, 邵 毅 (35)
我国铀矿勘查工作投融资体制沿革 马 杰, 王玲玲 (39)
矿区工业旅游发展研究——以山东乳山金矿为例

..... 李炯华, 张京京 (43)

绿色矿业

河南省能源消费碳排放的因素分解及减排途径 高彩玲, 高 歌, 田采霞 (46)

地质找矿

基于 SuperMap IS.NET 的找矿勘查信息系统开发 李小红, 尹凤兰 (50)
东营坳陷利38区块油气成藏规律研究 孙建平, 杨慧臣, 蒋建亮, 等 (54)

采选技术

块体理论赤平解析法的节理裂隙岩体破坏预测分析 吴豪伟, 蔡美峰 (57)
辉钼矿捕收剂的研究与应用 李 琳, 吕先俊 (61)

千米深井大跨度煤巷顶帮桁架联合控制技术
..... 何富连, 杨绿刚, 杨洪增, 等 (65)

赤峰国维矿多空区复杂条件下残矿资源回采技术研究

..... 王湖鑫, 陈 何, 吴志安, 等 (69)

广东石人嶂云英岩矿石工艺矿物学研究 龚恩民, 钟 文, 周晓文 (71)

北川埃洛石黏土对 Sr、Co、Cs 的吸附性能研究

..... 陈廷方, 易发成, 冯启明, 等 (74)

白银铝土矿三维可视化模型与开采计划优化研究 吴仲雄, 朱 超 (78)

车河选矿厂矿泥系统铅铋铈浮选分离试验研究

..... 黄承波, 魏宗武, 陈 晔, 等 (82)

孤岛面预掘卸压厢室防冲击矿压数值模拟研究

..... 周 楠, 张 寅, 安泰龙, 等 (86)

矿业纵横

TSL (Thin spray-on liners) 材料在巷道支护中的应用 史 玲 (90)
D-InSAR 技术在库区滑坡监测上的实例分析

..... 王桂杰, 谢谟文, 柴小庆, 等 (94)

黑石岭公路隧道岩爆预测研究 卢宏建, 马玉涛, 李占金, 等 (102)

一种用于矿井中的多孔泄压阻隔爆自动风门

..... 孙建华, 赵景礼, 魏春荣, 等 (105)

动量定理在皮带运输系统中的应用 毛 瑞, 李 洪 (109)

土壤固化剂的应用现状及其在矿山工程中的应用前景

..... 刘鹏博, 刘志伟, 程立年 (111)

基于地质雷达的隧道掌子面前方地质预报研究 崔 芳, 高永涛, 吴顺川 (115)

地质公园博物馆导游讲解初探 梅耀元 (119)

灰色理论在盐岩储气库稳定性评价中的应用

..... 姜德义, 霍 琰, 任 松, 等 (122)

CHINA MINING MAGAZINE
Volume 20 Number 3 (SUM No. 163) March, 2011
CONTENTS

Potential of hydrocarbon resources and strategic research in Tibet area	ZHANG Da-wei (1)
Study on the establishment and development of multi-level mining capital market in China	LI Gang (6)
Construction and practice of digital mine for Shandong gold group	CHEN Yu-min, LI Guo-qing, HE Ji-ping, et al (10)
The path of resource integration between east and west coal enterprise	XIAO Ya-ning, SONG Hua-ling, SONG Xiao-qian (15)
Study on industry conversion model of resource-based cities: A case study about Panjin city	CHEN Xiao-jin, CUI Bin, HAO Ju (19)
Research of energy cooperation actuality and countermeasures between China and America	XIA Yan-yan, CHE Chang-bao, LI Fu-bing (23)
Construction of the coal enterprise culture management	WU Tong-xing (26)
Research on China petroleum security with grey matter element method	XU Kai, CHANG Jun-qian (29)
On the oil and gas project investment control	ZHENG Min, WANG Jing-feng (32)
The research of selecting the evaluation methods of exploration right under the conditions of micro information	YUAN Ying, WANG Xiang, SHAO Yi (35)
The investment and financing system evolution of China's uranium exploration	MA Jie, WANG Ling-ling (39)
Research on industrial tourism development in mine areas: Taking Rushan gold mine in Shandong province as an example	LI Jiong-hua, ZHANG Jing-jing (43)
Decomposition analysis and reduction approaches of carbon emissions for energy consumption in Henan province	GAO Cai-ling, GAO Ge, TIAN Cai-xia (46)
The development of mine exploration information system based on SuperMap IS. NET	LI Xiao-hong, YIN Feng-lan (50)
The study of the oil-gas pool forming regularity in the Li 38 block of Dongying depression	SUN Jian-ping, YANG Hui-chen, JIANG Jian-liang, et al (54)
Analysis on prediction of failure of fractured rock mass by stereo-analytical method based on block theory	WU Hao-wei, CAI Mei-feng (57)
Research and application of molybdenite collector	LI Lin, LU Xian-jun (61)
Combined control technology of large-span coal entry with top and side cable truss in kilometer deep mine	HE Fu-lian, YANG Lv-gang, YANG Hong-zeng, et al (65)
Recovery methods of residual ore in complex condition of mined-out zones in Chifeng Guowei mine	WANG Hu-xin, CHEN He, WU Zhi-an, et al (69)
The study of the mineralogy of the greisen ore in Shirenzhang in Guangdong	GONG En-min, ZHONG Wen, ZHOU Xiao-wen (71)
The study of the Sr, Co, Cs ions adsorption capability of halloysite at the Beichuan of Sichuan province	CHEN Ting-fang, YI Fa-cheng, FENG Qi-ming, et al (74)
Research on three-dimensional visual model and mining plan optimization in Huayin bauxite mine	WU Zhong-xiong, ZHU Chao (78)
Study on flotation of lead, stibium and zinc for slime system of Chehe plant ...	HUANG Cheng-bo, WEI Zong-wu, CHEN Ye, et al (82)
Numerical simulation of rock burst prevent scheme that pre-heading unloading chamber in deep island coal mining face	ZHOU Nan, ZHANG Yin, AN Tai-long, et al (86)
Application of Thin spray-on liners in tunneling support	SHI Lin (90)
Application of D-InSAR technique to landslide monitoring in wide reservoir area	WANG Gui-jie, XIE Mo-wen, CHAI Xiao-qing, et al (94)
Research on the rock burst prediction of Heishiling highway tunnel	LU Hong-jian, MA Yu-tao, LI Zhan-jin, et al (102)
The porous-leak-pressure barrier explosion of the automatic air-door that is used in the mine	SUN Jian-hua, ZHAO Jing-li, WEI Chun-rong, et al (105)
Application of momentum theorem in the belt conveyer system	MAO Rui, LI Hong (109)
Application of soil stabilizer and its prospects in mining engineering	LIU Peng-bo, LIU Zhi-wei, CHENG Li-nian (111)
Research on the geological forecast of work face in tunnel with ground penetrating radar	CUI Fang, GAO Yong-tao, WU Shun-chuan (115)
Discussion on tour description of geopark museum	MEI Yao-yuan (119)
Application of the gery theory on the salt rock gas storage's stability evaluation	JIANG De-yi, HUO Yan, REN Song, et al (122)

CHINA MINING MAGAZINE

SPONSOR: China Mining Association

EDITORIAL OFFICE

Vice director and chief editor: Chen Songjin

Address: 901, Building 2 Ever Flash Tower, No. 45 Xizhimen Nortu Street, Haidian District, Beijing, 100044

GENERAL DISTRIBUTOR

China International Book Trading Corporation

(GUOJI SHUDIAN) - P. O. Box 399, Beijing, China