

·水利与土木工程·

爆炸荷载作用下缺陷岩体破坏特征的数值模拟研究
两类补丁对S型旁路移植影响的血流动力学数值研究
TOPSIS模型的改进算法及其在河流健康评价中的应用
考虑混凝土龄期及弹塑性徐变的大体积混凝土温度应力研究
旋流式竖井环形掺气坎的掺气空腔计算
排污方式对污染物分布状况的影响反演研究
水电站蜗壳结构局部垫层平面设置范围探讨
属性区间识别模型在溃坝后果综合评价中的应用
钢-混凝土组合框架-RC核心筒结构弹塑性地震反应分析

·信息工程·

分类器动态组合及基于分类器组合的集成学习算法
一种新的基于临界时间尺度的业务流性能刻画方法
会聚式相机获取的视差图像的梯形失真校正
基于均值查找的快速中值滤波算法
基于基因表达式编程的地面等待策略模型研究
可信嵌入式系统中可靠且数量有效的任务调度
投影HFE⁻体制的安全性分析
面向众核GPU结构的椭圆曲线加密流化技术
一种无线传感器网络能量均衡路由算法
基于复数矩的形状轮廓描述与匹配方法
基于零折射率超材料的新型匹配高增益贴片天线

·电气工程·

用于直驱式机电作动器的PMSM自抗扰控制研究
基于用户学习的智能动态热舒适控制系统
错位修正混沌函数投影同步及在保密通信中的应用
时滞反馈Lorenz系统的神经网络滑模自适应同步控制及在保密通信中的应用

·化学与化学工程·

金属氧化物催化氧化氯化氢制氯气的研究
城市污泥添加软锰矿制备活性炭的研究
适合硅橡胶膜生物反应器乙醇发酵的酵母选育
固定化硫杆菌对硫化氢的脱除研究
低品位红土镍矿的直接氢还原实验研究
模拟酸雨环境中聚丙烯酸酯橡胶膜的老化机理的演变
新型单双槽光电催化反应器的设计及其降解性能

·材料科学与工程·

NdFeB合金氢爆过程中氢的扩散研究
局部叠层碳纤维水泥基材料的应变电阻效应研究
热镀锌板表面单宁酸-H₂TiF₆/SiO₂复合涂层的防腐性能研究
核压力容器SA508-3钢高温性能试验分析

·机械工程·

二齿差摆动齿传动的构件强度研究
新型除锈爬壁机器人附壁建模与仿真
冗余驱动并联机构预防故障的力矩分配法
钢制变肉厚平面蜗轮副的研制
神光-Ⅲ原型装置振动激励源稳定性指标权重分配研究
基于自适应模糊滑模的柔性机械臂控制
车辆双筒式减振器热物性影响规律分析

朱哲明,王超,王蒙,等 1
蒋文涛,冯文韬,樊瑜波,等 9
李晓峰,刘宗鑫,彭清娥 14
黄耀英,郑宏,周宜红 22
李瑶,张法星,邓军,等 28
朱国宇,李冰冻,李嘉 34
孙海清,伍鹤皋,李杰,等 39
邹强,周建中,杨小玲,等 45
刘阳冰,文国治,刘晶波 51

付忠良,赵向辉 58
胡俊,张驰,王明辉 66
王爱红,王琼华,李大海,等 72
鲍华,樊瑜波,饶长辉,等 76
王冬磊,彭莉娟,唐常杰,等 80
江维,唐瑾瑜,桑楠,等 87
袁峰,胡子濮,赵东,等 92
甘斯标,沈立,王志英 98
赵永辉,史浩山,赵洪钢 103
赵东保,贺添,张卡 109
蒲天乐,黄卡玛,王波 116

付永领,刘和松,鹿尧,等 121
李慧,张庆范,段培永 128
方洁,姜长生 136
梅蓉,吴庆宪,陈谋,等 142

黄慧萍,涂香甜,史雪君,等 150
谭显东,陈红燕,羊依金,等 156
丁文武,汤晓玉,傅晨伟,等 161
程蓉,魏永臣,张永奎,等 166
张钰婷,张昭,袁熙志,等 172
郑静,张伟丽,黄光速,等 177
宋琳,王心乐,张鑫,等 183

杨刚,杨屹,刘颖,等 188
郑立霞,朱四荣,李卓球,等 192
许哲峰,梅东生,刘常升,等 197
迟露鑫,麻永林,邢淑清,等 202

梁尚明,周荣亮,张杰 207
衣正尧,弓永军,王祖温,等 211
闫彩霞,战强,叔广慧,等 217
邱昕洋,秦大同,张光辉 222
张军伟,陈伟,周忆,等 228
党进,倪凤雷,刘业超,等 234
么鸣涛,顾亮,管继富 241

2006—2009年《四川大学学报(工程科学版)》引文分析

韩夏,刘柳 247

[期刊基本参数]CN51-1596/T*1957*b*A4*251*zh*P*¥15.00*1200*43*2011-03

本期责任编辑:赵婧
英文校订:江成发

出版日期:2011年03月20日

JOURNAL OF SICHUAN UNIVERSITY

(ENGINEERING SCIENCE EDITION) (Bimonthly)

Vol. 43 No. 2 2011

□ Contents □

• HYDRAULIC & CIVIL ENGINEERING •

Numerical Predication on the Fracture Characteristics of Rocks with Defects Under Blasting Loads	ZHU Zhe-ming, WANG Chao, WANG Meng, et al	1
Numerical Study of the Influence of Two Kinds of Patches on Homodynamic in an S-type Arterial End-to-side Anastomosis	JIANG Wen-tao, FENG Wen-tao, FAN Yu-bo, et al	9
Improved Algorithm of TOPSIS Model and Its Application in River Health Assessment	LI Xiao-feng, LIU Zong-xin, PENG Qing-e	14
Study of Thermal Stress for Mass Concrete Considering Concrete Age and Elastic-plasticity Creep	HUANG Yao-ying, ZHENG Hong, ZHOU Yi-hong	22
Calculation of the Cavity Length of Annular Aerator in the Vortex Drop Shaft Spillway	LI Yao, ZHANG Fa-xing, DENG Jun, et al	28
Reverse Deduction Research of the Influence of Draining Manners on Contamination Concentration Distributing	ZHU Guo-yu, LI Bing-dong, LI Jia	34
Discussion of In-plane Scope of Local Cushion Layer Set in Spiral Case Structure of Hydropower Station	SUN Hai-qing, WU He-gao, LI Jie, et al	39
A Comprehensive Assessment Model for Severity Degree of Dam Failure Impact Based on Attribute Interval Recognition Theory	ZOU Qiang, ZHOU Jian-zhong, YANG Xiao-ling, et al	45
Elasto-plastic Seismic Response Analysis for Steel-concrete Composite Frame-RC Core Tube Structures	LIU Yang-bing, WEN Guo-zhi, LIU Jing-bo	51

• INFORMATION ENGINEERING •

Dynamic Combination Method of Classifiers and Ensemble Learning Algorithms Based on Classifiers Combination	FU Zhong-liang, ZHAO Xiang-hui	58
A Novel Depict Method of the Traffic Performance Based on Critical Time Scale	HU Jun, ZHANG Chi, WANG Ming-hui	66
Keystone Distortion Rectification of Parallax Images Captured by Toed-in Cameras	WANG Ai-hong, WANG Qiong-hua, LI Da-hai, et al	72
Fast Median Filtering Algorithm Based on Mean Searching	BAO Hua, FAN Yu-bo, RAO Chang-hui, et al	76
A GHP Model Research Based on Gene Expression Programming	WANG Dong-lei, PENG Li-juan, TANG Chang-jie, et al	80
Reliable and Energy-efficient Task Scheduling for Dependable Embedded Systems	JIANG Wei, ZHAN Jin-yu, SANG Nan, et al	87
Cryptanalysis of Projected HFE ⁻ Scheme	YUAN Feng, HU Yu-pu, ZHAO Dong, et al	92
Streaming Elliptic Curve Cryptography for Many-core GPU	GAN Xin-biao, SHEN Li, WANG Zhi-ying	98
An Energy-Balanced Routing Algorithm in Wireless Sensor Networks	ZHAO Yong-hui, SHI Hao-shan, ZHAO Hong-gang	103
Shape Contour Description and Matching Method Based on Complex Moments	ZHAO Dong-huo, HE Tian, ZHANG Ka	109
Novel Matched High-gain Patch Antenna Based on Zero Index Metamaterials	PU Tian-le, HUANG Ka-ma, WANG Bo	116

• ELECTRICAL ENGINEERING •

Active Disturbance Rejection Control for the PMSM Used in the Direct Drive EMA	FU Yong-ling, LIU He-song, PANG Yao, et al	121
Intelligent Dynamic Thermal Comfort Control System with Users' Learning	LI Hui, ZHANG Qing-fan, DUAN Pei-yong	128
Dislocated Modified Function Projective Synchronization of Chaotic System and Its Application in Secure Communication	FANG Jie, JIANG Chang-sheng	136
Neural Network Sliding-mode Adaptive Synchronization Control for Delayed Feedback Lorenz System and Its Application in Secure Communication	MEI Rong, WU Qing-xian, CHEN Mou, et al	142

• CHEMISTRY & CHEMICAL ENGINEERING •

Study of Metal Oxides in the Catalytic Oxidation of HCl to Cl ₂	HUANG Hui-ping, TU Xiang-tian, SHI Xue-jun, et al	150
Study on Preparation of Activated Carbon from Pyrolusite-added Sewage Sludge	TAN Xian-dong, CHEN Hong-yan, YANG Yi-jin, et al	156
Breeding Yeast by Acclimatization Evolution in PDMS Membrane Bioreactor	DING Wen-wu, TANG Xiao-yu, FU Sheng-wei, et al	161
Removal of Hydrogen Sulfide by Immobilized <i>Thiobacillus</i> sp.	CHENG Rong, WEI Yong-chen, ZHANG Yong-kui, et al	166
Study on Direct Hydrogen Reduction Experiment of a Low-grade Laterite-nickel Ores	ZHANG Yu-ting, ZHANG Zhao, YUAN Xi-zhi, et al	172
Study on Aging Mechanism of the Polyacrylate Latex Film in Simulated Acid Rain	ZHENG Jing, ZHANG Wei-li, HUANG Guang-su, et al	177
Design and Photocatalytic Activity of a Novel Photo-electro-chemical Catalytic Reactor with Single/Double Compartment	SONG Lin, WANG Xin-le, ZHANG Xin, et al	183

• MATERIAL SCIENCE & ENGINEERING •

Study on Diffusion of Hydrogen in Hydrogen Decrepitation Process of NdFeB Alloy	YANG Gang, YANG Yi, LIU Ying, et al	188
Study on Strain Resistance Effect of Part-stromatolithic Carbon Fiber Cement-base Materials	ZHENG Li-xia, ZHU Si-rong, LI Zhuo-qiu, et al	192
Study of Anti-corrosion Properties of Tannic Acid - H ₂ TiF ₆ /SiO ₂ Composite Coatings on Hot-dip Galvanized Steel Sheet	XU Zhe-feng, MEI Dong-sheng, LIU Chang-sheng, et al	197
Analysis on High Temperature Performance of SA508-3 Steel for Nuclear Power	CHI Lu-xin, MA Yong-lin, XING Shu-qing, et al	202

• MECHANICAL ENGINEERING •

Study on the Strength of Components of Two-tooth Difference Swing Movable Teeth Transmission	LIANG Shang-ming, ZHOU Rong-liang, ZHANG Jie	207
Wall-attachment Model and Its Simulation on a New Wall-climbing Robot for Rust Removal	YI Zheng-yao, GONG Yong-jun, WANG Zu-wen, et al	211
Method of Torque Distribution of Redundant Actuation Parallel Manipulator for Fault Prevention	YAN Cai-xia, ZHAN Qiang, SHU Guang-hui, et al	217
Research on Trial-manufacture of Steel-steel Gradual-change Tooth Thickness Planar Worm Gear Drive	QIU Xin-yang, QIN Da-tong, ZHANG Guang-hui	222
Research on Vibration Excitation Source Stability Index Allocation of SG - III TIL	ZHANG Jun-wei, CHEN Wei, ZHOU Yi, et al	228
Adaptive Fuzzy Sliding Mode Control for Flexible Joint Manipulators	DANG Jin, NI Feng-lei, LIU Ye-chao, et al	234
Analysis of Thermo-physical Properties on Influence Rules of Vehicular Twin-tube Shock Absorber	YAO Ming-tao, GU Liang, GUAN Ji-fu	241

Citation Analysis on "Journal of Sichuan University (Engineering Science Edition)" from 2006 to 2009

HAN Xia, LIU Liu 247

▷ Published on Mar. 20, 2011 ◁