

目 次

· 工程力学 ·

- 钻石背弹翼的静气动弹性研究 吴小胜 雷娟棉 胡俊 (1387)
钕铁硼强磁性材料的冲击加载实验和数值模拟研究 伍俊英 陈朗 李维等 (1391)

· 机械工程 ·

- 基于多目标优化的双模式混合驱动电机特性设计 项昌乐 韩立金 李宏才等 (1395)
基于有限体积法的螺旋槽气体推力轴承润滑计算 刘韧 王晓力 (1400)
基于本体的知识建模技术 张梅 郝佳 阎艳等 (1405)
具有评价结果唯一性特征的雷达图综合评价法 陈勇 陈潇凯 李志远等 (1409)

· 信息科学与控制 ·

- GPU 加速实现的锥束 CT 高精度正投影算法 赵星 胡晶晶 王晋君等 (1413)
基于 DSP 的多目标航迹模拟 尚海英 安卫钰 安建平等 (1418)
基于高/低轨监视平台的 GEO 卫星定轨精度比较 周庆勇 杜兰 蓝朝桢等 (1422)
一种归一化点积功率型伪码跟踪鉴相算法 程兰 陈杰 甘明刚 (1427)
大机动制导火箭弹控制方法研究 张成 (1432)
基于 PSO 算法的多巡飞器任务分配方法 李大林 李杰 (1436)

· 光学与电子工程 ·

- 低半波电压高速铈酸锂光波导相位调制器研究 华勇 崔建民 吕敏等 (1440)
脉冲串输出人眼安全光学参量振荡器研究 刘嘉巍 高春清 高明伟等 (1444)
JQB₂ 型系列电机起动控制器设计 赵秋娣 姜淑荣 杨晓慧 (1448)
时空相关杂波下多目标步进频参数估计 黄丹 曾大治 龙腾等 (1451)
基于互相关分析与 ZFFT 的目标运动参数估计 刘林 田进军 洪滔等 (1456)
一种 1.84 GHz 低噪声电容电感压控振荡器 张为 张旭 刘洋 (1461)
高速数字接收机中位同步与滤波联合实现方法 杨杰 崔诵祺 刘策伦 (1465)
一种排序 Jacobi 算法及其并行实现 徐德琛 刘志文 徐友根等 (1470)
折反射全景侦察系统电子稳像技术研究 马子领 王建中 (1475)
基于压电变压器的高压能源变换器负载频率特性 郭泽荣 白春雨 (1480)

· 化工与材料科学 ·

- 靛指纹技术解析 MBR 污泥膨胀过程中微生物群落特性 孙寓蛟 王勇 董萍 (1483)
高效转子式选粉机的最佳工况研究 方莹 李镇 孔伟良 (1488)
93 钨合金的稀土改性机理 张朝晖 陈焕德 王富耻等 (1492)

· 管理科学 ·

- 公司治理对外部审计结果的预测能力研究 王树年 于渤 (1497)
基于行为的产品协同开发流程管理机制研究 余德海 易树平 高庆萱等 (1500)
国防科技奖励促进技术创新的系统动力学建模 于雪霞 赵勇强 石春生 (1505)
反倾销产业损害幅度计算及数据库实现 何海燕 林波 (1508)

总目次 (1~20)

期刊基本参数: CN 11-2596/T * 1956 * m * A4 * 126 * zh * P * ¥20.00 * 1200 * 29 * 2010-12

TRANSACTIONS OF BEIJING INSTITUTE OF TECHNOLOGY

No. 12 2010 Dec.

Vol. 30 (Sum No. 190)

CONTENTS

Engineering Mechanics

- A Static Aeroelastic Analysis of Flexible Diamond Back Wing WU Xiao-sheng LEI Juan-mian HU Jun (1387)
Nd₂Fe₁₄B Hard Ferromagnetic Under Shock Wave Loading: Experiments and
Numerical Simulation WU Jun-ying CHEN Lang LI Wei, et al (1391)

Mechanical Engineering

- Dual-Mode Hybrid Transmission Motor, Characteristics Design Based on
Multi-Objective Optimization XIANG Chang-le HAN Li-jin LI Hong-cai, et al (1395)
Calculation of Lubricated Spiral Groove Gas Thrust Bearing Using Finite Volume Method LIU Ren WANG Xiao-li (1400)
Ontology-Based Knowledge Modeling ZHANG Mei HAO Jia YAN Yan, et al (1405)
Method of Radar Chart Comprehensive Evaluation with Uniqueness Feature ... CHEN Yong CHEN Xiao-kai LI Zhi-yuan, et al (1409)

Informatics and Control

- GPU Based High Accuracy Algorithm for Cone Beam CT Forward Projection
..... ZHAO Xing HU Jing-jing WANG Jin-jun, et al (1413)
Multi-Target Track Simulation Based on DSP SHANG Hai-ying AN Wei-yu AN Jian-ping, et al (1418)
A Comparative Study on Orbit Determination for Geostationary
Satellites Based on High/Low Surveillance Platform ZHOU Qing-yong DU Lan LAN Zhao-zhen, et al (1422)
A Normalization DOT Discriminator Algorithm for PN Code Tracking Loop CHENG Lan CHEN Jie GAN Ming-gang (1427)
Research on Guided-Rockets of Maneuvering Control System Design ZHANG Cheng (1432)
Task Allocation Method for Multi-Loitering Units Using PSO Algorithm LI Da-lin LI Jie (1436)

Optical and Electronic Engineering

- Study on High-Speed LiNbO₃ Optical Waveguide Phase Modulator with Low
Half-Wave Voltage HUA Yong CUI Jian-min LÜ Min, et al (1440)
Eye-Safe Optical Parametric Oscillator with Pulse String Output
..... LIU Jia-wei GAO Chun-qing GAO Ming-wei, et al (1444)
Design of JQB₂ Starting Controller for Asynchronous Motor ZHAO Qiu-di JIANG Shu-rong YANG Xiao-hui (1448)
Multi-Targets Parameters Estimation of Stepped Frequency Radar Under
Temporal-Spatial Correlated Clutter HUANG Dan ZENG Da-zhi LONG Teng, et al (1451)
New Method of Motion Parameter Estimation Based on Cross-Correlation and ZFFT
..... LIU Lin TIAN Jin-jun HONG Tao, et al (1456)
A 1.84 GHz Low Noise LC Voltage Controlled Oscillator(LCVC0) ZHANG Wei ZHANG Xu LIU Yang (1461)
A Joint Implementation for Bit Synchronization and Filtering in High-Speed Digital Receivers
..... YANG Jie CUI Song-qi LIU Ce-lun (1465)
A Sorted Jacobi Algorithm and Its Parallel Implementation XU De-chen LIU Zhi-wen XU You-gen, et al (1470)
Research on Electronic Image Stabilizing Algorithm of Catadioptric Panoramic Reconnaissance System
..... MA Zi-ling WANG Jian-zhong (1475)
Load Frequency Characteristics of High-Voltage Power Supply Converter Based on
Piezoelectric Transformer GUO Ze-rong BAI Chun-yu (1480)

Chemical Engineering and Materials Science

- Analysis of Microbial Community Properties in Activated Sludge Bulking Process for MBR
Treating Domestic Wastewater Using Quinone Profiles SUN Yu-jiao WANG Yong DONG Ping (1483)
Performance Optimization of High-Efficiency Rotor Classifier FANG Ying LI Zhen KONG Wei-liang (1488)
Strengthening Mechanism of 93WNiFe Alloys by Adding Micro Rare
Earth Elements ZHANG Zhao-hui CHEN Huan-de WANG Fu-chi, et al (1492)

Management Science

- Research on External Auditing Result Prediction with the Aid of Corporate Governance WANG Shu-nian YU Bo (1497)
Study on Business Process Management Mechanism of Collaborative Product
Development Based on Behavior YU De-hai YI Shu-ping GAO Qing-xuan, et al (1500)
System Dynamics Modeling for Promoting Technological Innovation via Science
and Technology Awards of National Defence YU Xue-xia ZHAO Yong-qiang SHI Chun-sheng (1505)
Assessment of Industrial Injury and Its Realization in Database for Anti-Dumping Decision HE Hai-yan LIN Bo (1508)