

2018年总目次

第1期

Bayes统计学与MCMC方法

- Metropolis-Hastings(M-H)算法的Matlab程序实现 陈梦成,方苇,杨超,谢力(1)
- 动水压力影响下考虑SSI效应的桥墩结构地震响应分析 卢华喜,徐路遥,郑孝辉(9)
- 基于车道选择的交叉口进口道导向系统改善方法 徐良杰,刘志(14)
- 行波效应对长跨连续刚构桥地震响应的影响 刘旭政,王鹏(20)
- 钢结构单轴对称压弯构件在横向荷载作用下的弯曲性能分析 杨敬林,汤峰(27)
- BIM在公路工程中的应用研究 董洪学,陈景雅(32)
- 基于DEA的中西部地区铁路与公路物流协同发展研究 张年,张诚,张志坚(37)
- 基于预测算法的公交车实时到站时间查询系统 王苗(46)
- 基于事故树分析的货运驾驶员失误研究 于影霞,曾致桓,龙丹(55)
- 地铁枢纽通勤乘客体能消耗实验设计及感知分析 滕靖,段帅,胡溪,陈悦勤(63)
- 基于支持向量机的低能见度前车识别研究 徐鹏,王泽华(69)
- 汽车前保险杠碰撞过程动力学仿真与分析 涂文兵,何海斌,刘乐平,罗丫(75)
- MMC-HVDC系统阀侧故障特性分析 袁义生,唐喆(82)
- 非粮生物质吸附剂吸附水中氨氮的研究进展 鲁秀国,杨凌焱,黄林长,过依婷(90)
- 冷轧退火不锈钢焊接接头的组织及性能研究 魏康,李康,李建生,高波,毛庆忠,王帅卓(97)
- 厂拌热再生沥青混合料的最佳RAP掺量研究 高磊,林鹏(103)
- 基于异步电机矢量控制算法仿真技术的研究及应用 曾桂珍,张广远,曾润忠(109)
- 动车组轴盘温度场及应力场数值模拟分析 谢红太(116)
- 面向阿里云的铁路供电信息系统迁移研究 刘仕兵,刘欢,王小艺,曾聿田(123)
- 总量控制原则下排污权有效配置的实施 吴昌林,刘昌臣(130)
- 基于AHP与灰色理论的高校思政教育实效性评价研究 汪立夏,周娟,卢丽刚,吴泽九(136)

第2期

- 盾构隧道橡胶密封垫压缩蠕变试验研究 罗驰,杨新安,雷震宇(1)
- 宁东矿区铁路专用线工程地质选线研究 王雄健(9)
- 淤泥填海地层近距离交叠隧道施工影响及控制分析 饶竹红,刘建国(16)
- 基于光纤传感技术的大跨连续刚构桥施工阶段张拉预应力监测
..... 贾永峰,邱婷,宋庆辉,陈波,吴必涛(24)

- 沉淀池排泥水回流强化混凝工艺参数研究 刘国烨,童祯恭,胡锋平(32)
航道高强度塑钢组合板桩护岸变形监测研究 丁若雪,徐鹏,马晨,蒋凯(37)
多源荷载作用下合理拱轴的近似解析 胡常福,廖妙星(46)
“一带一路”沿线国家民航运输市场重要程度分析 沈静瑶,曾小舟,吴立波(56)
山区小城市机非混行道路行程时间修正模型研究 张翀,陈金山,郭建钢,李林,罗文婷(66)
高速公路隧道照明系统节能技术的发展 杨超,李敏,杨晓霞,李灵飞(73)
综合等待区用于交叉口的优化设计与仿真 姚宇,邓明君(80)
扇形图和广义扇形图的边控制集划分 徐保根,孟卓明,张婷婷(89)
双硫腙显色分光光度法测定校园土壤中微量铅的含量 鲁秀国,过依婷(94)
DZ22B 高温合金相变过程及凝固组织转变研究 刘亚男,杨伟(99)
一种新型双变压器三电平 DC/DC 变换器的研究 袁义生,梅相龙,毛凯翔(105)
WSN 中改进的基于压缩感知的分簇数据采集算法 谢昕,汪加楠,姜楠,黄晓生,葛松林(113)
张量分解算法研究与应用综述 熊李艳,何雄,黄晓辉,黄卫春(120)
基于支持向量机的弓网间电弧诊断策略 刘仕兵,曾聿田,刘欢,马志方(129)
湖南省能源碳排放峰值预测的研究 陈志建,张立,刘月梅,孔凡斌(137)

第3期

- 轨道不平顺预测随机模型的 SVM-MC 求解方法 许玉德,刘一鸣,沈坚锋(1)
围岩蠕变对运营隧道衬砌裂缝发育的影响研究 耿大新,钱文喜,梁国卿(8)
地铁盾构隧道下穿城市公园地基加固宽度分析 程茜,宫全美(15)
充填型浅层岩溶隧道溶洞处理技术研究 王康,孙熔正,杨新安(23)
城市部分互通立交增设转向匝道方法研究 彭庆艳(29)
高速公路收费站免费放行区域计算方法优化改进 崔志宾,张教木翰(35)
Zynq 上实现地铁杂散电流的多分辨率采集系统 夏孟显,陈剑云(43)
右转车辆穿越直行非机动车流延误计算方法 武亚鹏,郑长江,马庚华,李锐(49)
地铁车辆段控制中心(DCC)综合信息系统研究 王孔明,杨文锐,徐银光,汪峰(56)
循环甩挂运输网络下的集装箱牵引车调度优化 黄勇,乙永松,邱琦(62)
基于环境保护的拥挤收费定价研究 胡畔,耿庆武(69)
面向可持续发展的城市客运交通结构优化模型 王秋平,陶珂(76)
钢筋增强 ECC 柱偏心受压力学性能研究 陈梦成,周丰流,袁方(83)
密度及干湿循环影响下的煤系土土-水特征曲线 杨继凯,郑明新(91)
基于 Revit 的地下连续墙识别算法研究 张维锦,龙飞宇,张惊忆(97)
灰岩地区类砌体型危岩座滑过程中突然断裂的能量解 王小委,李洪梅(104)
户用光伏发电的自助式运维系统 李大虎,陈睿博,方华亮,黄砾,罗俊阳,孙建波(112)

- 基于分区模型的高铁接触网电场对人体影响数值计算与分析 孙惠娟,贺璨,刘兵,刘君(119)
 新型智能消防小车的研究与实现 黄海来(127)
 电力系统动态环境经济调度模型研究 左丽霞,余愿,孙惠娟(134)

第4期

- 光谱诊断技术及其在农产品质量检测中的应用 刘燕德,程梦杰,郝勇(1)
 基于相对差异函数的砌石隧道安全性评价 陈朝辉(8)
 预应力钢绞线网加固 RC 柱抗震性能影响因素研究 曹忠民,赖恒力,邱荣文,黄金龙(15)
 天然沥青对道路石油沥青路用性能的影响研究 王如先(21)
 公路隧道结构快速检测车综述 杨俊,刘笑娣,刘新根,张平,彭飞(30)
 再生钢管混凝土柱黏结滑移性能试验研究 薛晓楠,衷政杰(39)
 高铁对江西省城市发展质量的影响 郭军华,赖军(47)
 公路隧道入口和过渡段照明布灯参数优化研究 杨超,肖宇(53)
 南昌轨道交通沿线外围停车换乘建设分析 艾瑶,曾灿,张兵(60)
 基于 DEA 模型的江西省综合交通运输与经济社会发展协调性评价
 周瑜,张兵,徐伟硕,邹玉霞(68)
 高铁客运站最高聚集人数计算方法研究 叶玉玲,李文卿(76)
 最优近似粗糙集的矩阵计算 罗来鹏,刘二根,范自柱(83)
 基于 ZYNQ 的谐波检测系统设计 夏国标,陈剑云,夏孟显(89)
 考虑钢轨铁磁特性的牵引网阻抗频变参数矩阵计算 刘思然,陈剑云,乐果(97)
 基于 Simulink 的低压交流断路器建模与仿真 傅军栋,丁雨彤,涂习武(106)
 基于 Xilinx IP 核的任意信号发生器的设计 周欢,陈剑云,钟汉华(112)
 超薄盐化物自融雪沥青罩面材料性能及寿命研究
 韩亮,石凯,王素兰,臧博青,王博,王玉清(117)
 基于 GAMIT 的 IGS 站基线可靠性处理与分析 马飞虎,孙喜文,贺小星(124)
 纳米石墨烯改性沥青流变性能研究 候林杰(133)
 形状记忆合金智能沥青路面的变形特性研究 闫国杰(138)

第5期

- 列车运行建模与速度控制方法综述 杨辉,付雅婷(1)
 编组方式对驼峰下道岔区脱轨系数的影响 乔雨,许玉德,孙小辉,邱俊兴(9)
 基于颗粒流理论的敞车静侧压力研究 何华,陈兴强,刘春景(17)
 市域轨道交通道岔至平面曲线距离研究 宋唯维(22)
 富山赣江特大桥车桥耦合振动响应及冲击系数研究 陈水生,付仂,桂水荣(27)
 在盾构穿越处新扩建铁路时地基加固处理措施研究 黄龙(35)

- 基于 Voronoi 图的物流节点选址研究 郑长江, 戴冉, 郑树青, 李锐(44)
基于 SEM 的港口转型升级影响因素研究 王娇娇, 封学军, 蒋柳鹏(52)
低碳视角下铁路货运整合运输利益分配 赵文健, 刘家财, 李正红(60)
多时窗下公共自行车租赁点选址布局模型研究 覃鹏, 赵祖菊, 桂翔(67)
高炉渣改良填料压缩试验分析 黄大维, 刘香, 许有俊, 徐丽阳(78)
压气法盾构施工土仓供气量预测分析 刘训华, 赵昱, 夏杰(85)
激光沉积涂层裂纹控制的研究进展 赵龙志, 王怀, 赵明媚, 杨海超, 刘德佳, 唐延川, 胡勇(94)
基于 ARMA 的滚动轴承振动数据预测 周建民, 张臣臣, 王发令, 黎慧(99)
考虑牵引网线路参数频变的相模变换矩阵计算 乐果, 林知明, 陈剑云, 刘思然(104)
基于 FPGA 的 SMS4 算法实现及在线验证 张利华, 吴松, 蒋腾飞, 姜攀攀(111)
非均匀温度场下的热固耦合结构多相材料拓扑优化 占金青, 龙良明, 林春辉, 杨湘杰(117)
响应面法优化山核桃蒲壳中糠醛的两步法提取工艺 刘建平, 周勤仁, 王淑怡, 杨小敏(124)
随机过程的自传导数字特征及其工程应用 王丰, 顾佼佼, 林瑜(130)
基于 Unity3D 虚实结合的铁道单车制动实验培训系统 肖乾, 韩瑞, 刘行, 龚嘉俊(135)

第6期

- 循环荷载下地铁隧道累积变形的有限元法 胡玉红, 宫全美, 周顺华, 杨龙才(1)
跨座式单轨列车动力学分析研究综述 肖乾, 陈光圆, 李超, 许旭, 柳子豪(8)
合肥地铁隧道地层组合分类及暗挖适用性研究 裴子钰, 周仕波, 杨新安, 黄彬, 陈翔(13)
快速路单双汇入匝道主线交通流运行分析 张东明, 周雪梅(23)
隧道爆破开挖对既有水工隧道变形的影响 赵秀绍, 谭周勇, 李凯, 刘宇云(29)
动车组重量均衡计算系统设计及开发 杨丰萍, 左君成(35)
基于数据分析的高铁站节假日设施适应性研究 马彩雯, 胡畔(41)
基于多阶段动态组合拍卖的联盟舱位分配研究 顾颖菁, 周海花(48)
价格随机条件下基于双边拍卖的应急回购契约研究 贾茜如, 刘崇光, 刘浪(55)
基于两人零和博弈的灰色多属性决策方法 王浩伦, 邓冉君, 王婷(65)
考虑多车间距的跟驰模型及混合交通流的数值模拟 王威, 吴中(72)
港湾式停靠站公交进站换道轨迹模型优化 吴悦, 李锐(81)
净水厂排泥水处置现状的若干分析 童祯恭, 吴哲帅(88)
基于改进蚁群算法模型的三维火灾动态疏散策略 傅军栋, 黄鹿鸣, 刘武, 陈俐(96)
基于物联网的智能家居感知层组网算法 程园, 周洁, 潘平安, 徐炜新, 姜楠(103)
电镀参数对电热法 CCVD 生长纳米碳的影响研究 白小俊, 徐先锋(111)
交叉克尔效应增强纳米机械振子间的纠缠生成 张留娟, 张建松(117)
基于灰色关联评价的西非国家制造业产能合作竞争力研究 陈汨梨, 封学军, 彭广益, 陆玉华, 雷智鶯(124)
考虑优先与重要程度的物流等级综合评估方法 赵文健, 刘家财, 李正红(134)
2018年总目次 (142)

CONTENTS

No.1

Bayesian Statistics and MCMC Method

——Matlab Programming for Metropolis–Hastings(M–H)Algorithm	Chen Mengcheng,Fang Wei,Yang Chao,Xie Li(1)
Seismic Response Analysis of Bridge Pier Structure of Considering SSI Effect under Dynamic Water Pressure	Lu Huaxi,Xu Luyao,Zheng Xiaohui(9)
Improved Method of Intersection Lane Guidance System Based on Lane Selection	Xu Liangjie,Liu Zhi(14)
Influence of Traveling Wave Effect on the Seismic Response of Long–Span Continuous Rigid Frame Bridge	Liu Xuzheng,Wang Peng(20)
Bending Performance Analysis on Beam Column of Steel Structure Uniaxial Symmetry under Lateral Load	Yang Jinglin,Tang Feng(27)
Application of BIM in Highway Engineering	Dong Hongxue,Chen Jingya(32)
Evaluation on Coordinated Development of Railway and Highway Logistics in Mid–western Regions Based on DEA	Zhang Nian,Zhang Cheng,Zhang Zhijian(37)
Real-time Bus Arrival Time Query System Based on Prediction Algorithm	Wang Zhuo(46)
Study on Truck Drivers’ Fault Based on Fault Tree Analysis	Yu Yingxia,Zeng Zhihuan,Long Dan(55)
Experiment Designing and Analysis of Commuting Passenger Perception on Human Energy Expenditure in Metro Hub	Teng Jing,Duan Shuai,Hu Yuan,Chen Yueqin(63)
Study on Low Visibility of Vehicle Recognition Based on Support Vector Machine	Xu Peng,Wang Zehua(69)
Dynamic Simulation and Analysis of Vehicle Bumper Collision	Tu Wenbing,He Haibin,Liu Leping,Luo Ya(75)
Analysis of Internal Side Fault Characteristics Based on MMC – HVDC	Yuan Yisheng,Tang Zhe(82)
Research Progress of Ammonia–Nitrogen Adsorption by Use of Non–food Biomass	Lu Xiuguo,Yang Lingyan,Huang Linchang,Guo Yiting(90)
Study on Microstructure an Properties of Welded Joints of Stainless Steel Treated by Cold Rolling and Annealing	Wei Kang,Li Kang,Li Jiansheng,Gao Bo,Mao Qingzhong,Wang Shuaizhuo(97)
Investigation of Optimum RAP Contents in Hot Recycled Asphalt Mixture	Gao Lei,Lin Peng(103)
Research and Application of Simulation Technology Based on Vector Control Algorithm of Induction Motor	Zeng Guizhen,Zhang Guangyuan,Zeng Runzhong(109)
Numerical Simulation Analysis on Temperature Field and Stress Field of Axle Plate of Multiple Units	Xie Hongtai(116)
Transfer Research on Ali Cloud–Oriented Railway Power Supply Information System	Liu Shibing,Liu Huan,Wang Xiaoyi,Zeng Yutan(123)
Efficient Allocation of Pollution Based on Total Emission Control	Wu Changlin,Liu Changchen(130)
Effectiveness Evaluation of Ideological and Political Education in Universities Based on AHP Methods and Grey System Theory	Wang Lixia,Zhou Juan,Lu Ligang,Wu Zejiu(136))

No.2

Experimental Study on Compression Creep Test for Rubber Gasket of Shield Tunnel

.....	Luo Chi,Yang Xinan,Lei Zhenyu(1)
-------	----------------------------------

Study on Engineering Geological Route Selection of Railway Special Line in Ningdong Mining Area	Wang Xiongjian(9)
Construction Influence and Control Analysis of Short Distance Overlapped Tunnel in Silt Reclamation Stratum	Rao Zhuhong,Liu Jianguo(16)
Tension Prestress Monitoring of Large Span Continuous Rigid Frame Bridge during Construction Stage Based on Optical Fiber Sensing Technology	Jia Yongfeng,Qiu Ting,Song Qinghui,Chen Bo,Wu Bitao(24)
Study on Processing Parameters of Sedimentation Tank Sludge Water Reflux Coagulation	Liu Guoye,Tong Zhengong,Hu Fengping(32)
Research on Revetment Monitoring of Reinforced High Strength Plastic Steel Composite Piles in Waterways	Ding Ruoxue,Xu Peng,Ma Chen,Jiang Kai(37)
Approximate Analytical Solution for Rational Arch Axis under Multi-type Loads	Hu Changfu,Liao Miaoqing(46)
Importance Analysis of Civil Aviation Markets for Countries Along the Route	Shen Jingyao,Zeng Xiaozhou,Wu Libo(56)
Study on Modification Model of Mixed Traffic Travel Time in Small Mountainous Cities	Zhang Chong,Chen Jinshan,Guo Jiangang,Li Lin,Luo Wenting(66)
Development of Energy-saving Technology of Highway Tunnel Lighting System	Yang Chao,Li Min,Yang Xiaoxia,Li Lingfei(73)
Optimization Design and Simulation Application of Integrated Waiting Area at Urban Intersection	Yao Yu,Deng Mingjun(80)
Edge Control Set Partition for Fan Graph and Generalized Fan Graph	Xu Baogen,Meng Zhuoming,Zhang Tingting(89)
Detection of the Content of Lead in Soil by Spectrophotometry	Lu Xiuguo,Guo Yiting(94)
Phase Transformation Process and Solidification Microstructure Transition of DZ22B Superalloy	Liu Yanan,Yang Wei(99)
Research on a New Three-level DC/DC Converter with Dual Transformer	Yuan Yisheng,Mei Xianglong,Mao Kaixiang(105)
Improved Clustering Algorithm for Data Acquisition Based on Compressed Sensing in WSN	Xie Xin,Wang Jianan,Jiang Nan,Huang Xiaosheng,Ge Songlin(113)
Research and Application of Tensor Decomposition Algorithm	Xiong Liyan,He Xiong,Huang Xiaohui,Huang Weichun(120)
Diagnosis Strategy for Arc State Between Catenary and Pantograph Based on Support Vector Machine	Liu Shibing,Zeng Yutian,Liu Huan,Ma Zhifang(129)
Forecast of Peak Energy Carbon Emissions in Hunan Province	Chen Zhijian,Zhang Li,Liu Yuemei,Kong Fanbin(137)

No.3

SVM-MC Method for Solving Stochastic Model of Track Irregularity Prediction	Xu Yude,Liu Yiming,Shen Jianfeng(1)
Influence of Wall Rock Creep on the Lining Crack Development in the Operating Tunnel	Geng Daxin,Qian Wenxi,Liang Guoqing(8)
Analysis on Reinforcement Width of Subway Shield Tunnel in Underpassing City Park	Cheng Qian,Gong Quanmei(15)
Study on Karst Cave Treatment Technology of Filling-Type Superficial Karst	Wang Kang,Sun Rongzheng,Yang Xin'an(23)
Research on Method of New Turn Ramp for Urban Partial Interchange	Peng Qingyan(29)
Improved Calculation Method of Free Passing Area for Highway Toll Gate	Cui Zhibin,Zhang Aomuhan(35)
Design of Multi-resolution Acquisition System for Subway Stray Current Based on Zynq	Xia Mengxian,Chen Jianyun(43)
Calculation Method of Non-motor Vehicle Flow Delay for Turning Right and Passing Vehicles	Wu Yapeng,Zheng Changjiang,Ma Genghua,Li Rui(49)

Study on Comprehensive Information System of Metro Vehicle Depot Control Center	Wang Kongming, Yang Wenrui, Xu Yinguang, Wang Zheng(56)
Scheduling Optimization of Container Tractor Transportation in Circulation Transportation Network	Huang Yong, Yi Yongsong, Qiu Qi(62)
Research on Congestion Pricing for Environmental Protection	Hu Pan, Geng Qingwu(69)
Research on Optimized Model of Urban Passenger Transport Structure for Sustainable Development	Wang Qiuping, Tao Ke(76)
Mechanical Behavior of Steel Reinforced ECC Columns under Eccentric Compression	Chen Mengcheng, Zhou Fengliu, Yuan Fang(83)
Effects of Density and Drying-Wetting Cycle on Soil Water Characteristic Curve of Coal Soil	Yang Jikai, Zheng Mingxin(91)
Research on Identifying Underground Continuous Walls Based on Revit	Zhang Weijin, Long Feiyu, Zhang Jyngyi(97)
Energy Solution for Sudden Fracture of Quasi-masonry Unstable Rock Block in Limestone Area During Sliding	Wang Xiaowei, Li Hongmei(104)
Self-operated Operation and Maintenance System for Household Photovoltaic Power Generation	Li Dahu, Chen Ruibo, Fang Hualiang, Huang Shuo, Luo Junyang, Sun Jianbo(112)
Numerical Calculation and Analysis of the Influence of Electric Field on Human Body by High-speed Railway Catenary Based on Subarea Model	Sun Huijuan, He Can, Liu Bing, Liu Jun(119)
Design and Implementation of New Intelligent Firefighting Car	Huang Hailai(127)
Research on Dynamic Economic Emission Dispatch Model of Power System	Zuo Lixia, Yu Yuan, Sun Huijuan(134)

No.4

Application of Spectral Diagnoses Technology in Determination of Agricultural Products Quality	Liu Yande, Cheng Mengjie, Hao Yong(1)
Safety Evaluation of Masonry Lining Tunnels Based on Relative Difference Function	Chen Zhaohui(8)
Study on Influencing Factor of Seismic RC Columns Strengthened with Prestressed Steel Wire Mesh and High Performance Mortar	Cao Zhongmin, Lai Hengli, Qiu Rongwen, Huang Jinlong(15)
Effects of Natural Asphalt on the Pavement Performance of Road Petroleum Asphalt	Wang Ruxian(21)
Review of Rapid Test Vehicles for Highway Tunnel Structure	Yang Jun, Liu Xiaodi, Liu Xingen, Zhang Ping, Peng Fei(30)
Experimental Research on the Bond Slip Behavior of Recycled Concrete-Filled Steel Tubular Column	Xue Xiaonan, Zhong Zhengjie(39)
Impact of High-Speed Railways on the Quality of Urban Economic Development: Taking Jiangxi Province as an Example	Guo Junhua, Lai Jun(47)
Study on Luminaire-Distribution Parameters Optimization for Threshold and Transition Zone Lighting of Highway Tunnel	Yang Chao, Xiao Yu(53)
Survey and Analysis of Park and Ride in Periphery of Nanchang Rail Transit Line	Ai Yao, Zeng Can, Zhang Bing(60)
Coordination Evaluation on Comprehensive Transportation and Economic and Social Development in Jiangxi Province Based on DEA	Zhou Xun, Zhang Bing, Xu Weishuo, Zou Yuxia(68)
Calculating Method of Maximum Aggregate Number at High-Speed Rail Terminal	Ye Yuling, Li Wenqing(76)
Matrix Computation for Optimal Approximation Rough Set	Luo Laipeng, Liu Ergen, Fan Zizhu(83)

Design of Harmonic Detection System Based on ZYNQ	Xia Guobiao, Chen Jianyun, Xia Mengxian(89)
Calculation of Impedance Parameter Matrix of Traction Network Impedance Considering Steel Rail Ferromagnetic Properties	Liu Siran, Chen Jianyun, Yue Guo(97)
Modeling and Simulation of Low-Voltage AC Circuit Breaker Based on Simulink	Fu Jundong, Ding Yutong, Tu Xiwu(106)
Design of Arbitrary Signal Generator Based on Xilinx IP Core	Zhou Huan, Chen Jianyun, Zhong Hanhua(112)
Study on Snowmelt Life and Performance of Ultra-Thin Salinity Snow Melting Asphalt Overlay	Han Liang, Shi Kai, Wang Sulan, Zang Boqing, Wang Bo, Wang Yuqing(117)
Baseline Reliability Processing and Analysis of IGS Station Based on GAMIT	Ma Feihu, Sun Xiwen, He Xiaoxing(124)
Study on Rheological Properties of Nano-Graphene Modified Asphalt	Hou Linjie(133)
Deformation Characteristics of Smart Asphalt Pavement Embedded with Shape Memory Alloy Wires	Yan Guojie(138)

No.5

A Survey of Modeling and Speed Control Methods for Operation of Trains	Yang Hui, Fu Yating(1)
Influence of Marshalling Mode on Derailment Coefficient at the Turnout of Hump Yard	Qiao Yu, Xu Yude, Sun Xiaohui, Qiu Junxing(9)
Research on Static Side Pressure of Railway Truck Based on Particle Flow Theory	He Hua, Chen Xingqiang, Liu Chunjing(17)
Study on the Distance Between Turnout and Horizontal Curve of Rail Transit in City Region	Song Weiwei(22)
Study on Vehicle-Bridge Coupled Vibration Response and Impact Coefficient for the Ganjiang Bridge in Fushan	Chen Shuisheng, Fu Le, Gui Shuirong(27)
Research on Foundation Treatment Measures for Shield Tunnel Crossing Sections under Extension Railway Construction	Huang Long(35)
Research on Logistics Node Location Based on Voronoi Diagram	Zheng Changjiang, Dai Ran, Zheng Shuqing, Li Rui(44)
Research on Influencing Factors of Port Transformation and Upgrading Based on Structural Equation Model	Wang Jiaojiao, Feng Xuejun, Jiang Liupeng(52)
Profit Allocation of Integrated Transportation of Railway Freight from the Angle of Low Carbon	Zhao Wenjian, Liu Jiabei, Li Zhenghong(60)
Research on Selection and Layout Model for Rental Station of Public Bike Based on Multiple Time-Window	Qin Peng, Zhao Zuju, Gui Xiang(67)
Analysis of Compression Test for the Improved Filler from Blast Furnace Slag	Huang Dawei, Liu Xiang, Xu Youjun, Xu Liyang(78)
Air Supply Quantity Prediction of Shield Tunnel Using the Compressed Air in Head Chamber	Liu Xunhua, Zhao Yu, Xia Jie(85)
Research Progress of Coating Cracking Control in Laser Deposition	Zhao Longzhi, Wang Huai, Zhao Mingjuan, Yang Haichao, Liu Dejia, Tang Yanchuan, Hu Yong(94)
Rolling Bearing Vibration Data Prediction Based on ARMA	Zhou Jianmin, Zhang Chenchen, Wang Faling, Li Hui(99)
Calculation of Phase Mode Transformation Matrix for Traction Network Considering Line Frequency Parameters	Le Guo, Lin Zhiming, Chen Jianyun, Liu Siran(104)
Implementation and Online Verification of SMS4 Algorithm Based on FPGA	Zhang Lihua, Wu Song, Jiang Tengfei, Jiang Panpan(111)
Multi-material Topology Optimization of Thermo-Mechanical Coupling Structure in Non-uniform Temperature Field	Zhan Jinqing, Long Liangming, Lin Chunhui, Yang Xiangjie(117)

The Two-Step Extraction of Furfural from Walnut Nutshell Optimized by Response Surface Methodology	Liu Jianping, Zhou Qinren, Wang Shuyi, Yang Xiaomin(124)
Autobiographical Digital Characteristics of Random Process and Its Engineering Applications	Wang Feng, Gu Jiaojiao, Lin Yu(130)
Railway Single Car Brake Experiment Training System of Virtual and Reality Combination Based on Unity3D	Xiao Qian, Han Rui, Liu Xing, Gong Jiajun(135)

No.6

Finite Element Method for Accumulative Deformation of Subway Tunnel Under Cyclic Loading	Hu Yuhong, Gong Quanmei, Zhou Shunhua, Yang Longcai(1)
Research on Dynamic Modeling of Straddle-Type Monorail Train	Xiao Qian, Chen Guangyuan , Li Chao, Xu Xu, Liu Zihao(8)
Study on Classification of Stratum Combination and Application of Shallow Tunneling Method in Hefei Metro Tunnel	Pei Ziyu, Zhou Shibo, Yang Xin'an, Huang Bin, Chen Xiang(13)
Analysis of Mainline Traffic Flow of Expressway Single-and Double-Parallel Entry Ramp	Zhang Dongming, Zhou Xuemei(23)
Influence of Blasting Vibration on the Existing Hydraulic Tunnel Deformation	Zhao Xiushao, Tan Zhouyong, Li Kai, Liu Yuyun(29)
Design and Development of Weight Balance Calculation System for EMUs	Yang Fengping, Zuo Juncheng(35)
Research on the Adaptability of Holiday Facilities at High-Speed Railway Station Based on Data Analysis	Ma Caiwen, Hu Pan(41)
Capacity Allocation in Airline Alliances Based on Research on Multi-stage Dynamic Combinatorial Auction	Gu Yingjing,Zhou Haihua(48)
Emergency Repurchase Contract of Two-Way Auction Under the Condition of Random Price	Jia Xiru, Liu Chongguang, Liu Lang(55)
Grey Multiple Attribute Decision Making Method Based on Two Person Zero	Wang Haolun,Deng Ranjun,Wang Ting(65)
Car-Following Model in View of Multiple Distances and Numerical Simulation of Mixed Traffic Flow	Wang Wei, Wu Zhong(72)
Optimization of Lane Changing Trajectory Model for Bus Arrivals of Harbor-Shaped Stop	Wu Yue,Li Rui(81)
Analysis on Sludge Water Disposal in Water Purification Plant	Tong Zhengong,Wu Zheshuai(88)
Three-Dimensional Dynamic Fire Evacuation Strategy Based on Improved Ant Colony Algorithm Model	Fu Jundong, Huang Luming, Liu Wu, Chen Li(96)
Networking Algorithm in Sensing Layer of Smart Home Based on Internet of Things	Cheng Yuan, Zhou Jie, Pan Ping'an, Xu Weixin, Jiang Nan(103)
Effects of Electroplating Parameters on Nano Carbon Growth by the Electrothermal Method CCVD	Bai Xiaojun, Xu Xianfeng(111)
Enhancing Entanglement Generation Between Nanomechanical Oscillators via Cross-Kerr Effect	Zhang Liujuan,Zhang Jiansong(117)
Study on Manufacturing Capacity Cooperation Competitiveness in West African Countries Based on Gray Relevance Evaluation	Chen Mili, Feng Xuejun, Peng Guangyi, Lu Yuhua, Lei Zhiyi(124)
A Comprehensive Evaluation Method of Logistics Level Considering the Prioritization and Importance Degree	Zhao Wenjian, Liu Jiabei, Li Zhenghong(134)
Contents	(142)