

指导教师发表的相关学术论文列表如下:

Published academic papers are listed as follows:

- [1] 刘旭东, 范青武, 郑榜贵, 段建民. 基于模糊逻辑的SHEV控制策略设计与仿真. 北京工业大学学报, 2012, 38(3): 34~39.  
Liu X.D., Fan Q.W., Zheng B.G., Duan J.M.: Design and simulation of fuzzy logic strategy for an SHEV. Journal of Beijing University of Technology, 2012, 38(3): 34~39.
- [2] Liu X.D., Fan Q.W. Zheng B.G. Duan. J.M.: Study on forward-facing model and real-time simulation for a series hybrid electric vehicle. Research Journal of Applied Sciences, Engineering and Technology, Vols.3,2011: pp 1188~1196.
- [3] Liu X.D., Fan Q.W. Zheng B.G. Duan. J.M.: Real-Time Simulation Study for a Series Hybrid Electric Vehicle. Applied Mechanics and Materials, Vols.128-129(2012), pp 965~969.
- [4] 范青武, 刘旭东, 王普, 高学金. 遗传算子对种群进化力的影响分析. 2010中国模式识别大会. 2010.10:849-853.  
Fan Q.W., Liu X.D. Wang P. Gao X.J.: The Effect of Genetic Operators on Evolution Ability of Population. 2010 Chinese Conference on Pattern Recognition, 2010.10:849-853.
- [5] 范青武, 王普, 张会清, 高学金. 遗传算法交叉算子的实质分析. 北京工业大学学报. 2010. 36(10): 1328-1336.  
Fan Q.W., Wang P., Zhang H.Q., Gao X.J.: Analysis of Running Mechanism of Crossover Operators in Genetic Algorithm. Journal of Beijing University of Technology, 2010. 36(10): 1328-1336.
- [6] Liu X.D., Fan X.D., Zheng K.: Constant SOC Control of a Series Hybrid Electric Vehicle with Long Driving Range. Proceedings of the 2010 IEEE International Conference on Information and Automation, 2010. 6: 1603-1608.
- [7] 刘旭东, 范青武, 段建民, 周大森. 基于混合自适应遗传算法HEV系统参数的优化. 北京工业大学学报, 2009, 35(7): 904-909.  
Liu X.D., Fan Q.W, Duan J.M., Zhou D.S.: Optimization of HEV System Parameters Based on Hybrid Adaptive Genetic Algorithm. Journal of Beijing University of Technology, 2009, 35(7): 904-909.
- [8] Fan Q.W., Wang P., Huang J.: The Effect of Crossover on Evolution Ability of Population. 2009 World Summit on Genetic and Evolutionary Computation. ACM SIGEVO, 2009.6: 113-118.
- [9] 范青武, 王普, 高学金. 一种基于有向交叉的遗传算法. 控制与决策, 2009, 24 (4) : 542-546.  
Fan Q.W., Wang P. Gao X.J.: Improved genetic algorithm based on oriented crossover. Control and Decision, 2009,24(4): 542-546.
- [10] Liu X.D., Wu Y.P., Duan J.M.: Power Split Control Strategy for a Series Hybrid Electric Vehicle Using Fuzzy Logic. 2008 IEEE International Conference on Automation and Logistic, Qingdao, China, Sep. 1~3, 2008.
- [11] Liu X.D., Wu Y.P., Duan J.M.: Optimal Sizing of a Series Hybrid Electric Vehicle Using a Hybrid Genetic Algorithm. 2007 IEEE International Conference on Automation and Logistic, Jinan, China, Aug. 18-21, 2007: 1125~1129.
- [12] 刘旭东, 段建民, 周大森, 冯能莲. 辅助混合动力电动汽车技术研究VI——续驶里程的仿真及试验. 北京工业大学学报. 2007, 33(7): 673~677.  
Liu X.D., Duan J.M. Zhou D.S. Feng N.L.: Study on the Auxiliary Hybrid Electric Vehicle VI:Simulation and Experiments of Driving Range. Journal of Beijing University of Technology, 2007, 33(7): 673~677.

- [13] Fan Q.W., Wang P., Liu J.Q.: Study on Mutation Operator based on BP Algorithm in Genetic Algorithm with Floating Coding. Proceeding of WCICA 2006, 2006.6.
- [14] Fan Q.W., Wang P., Zhang L.B.: The Research of Expert System of Laser Quenching Based on Genetic-Neural Network. Proceeding of WCICA 2006, 2006.6.
- [15] Fan Q.W., Wang P., Zhang H.Q.: A Self-coordination Multimode Control System Based on on-line Genetic Optimization. Proceedings of ISDA 2006. IEEE Computer Society Press, 2006.10.

指导教师主持或参与的相关科研项目如下:

- [1] 自主轮式足球机器人全向视觉导航系统关键算法研究, 河北省自然科学基金重点项目, 2011-2013.
- [2] 未知环境自主搜救机器人的认知发育模型及物理实现研究, 北京市自然科学基金, 2011-2013.
- [3] 串联式混合动力电动汽车控制策略的研究, 北京工业大学青科基金, 2010-2012.
- [4] 遗传算法动态演化过程的数据挖掘研究, 北京市教委科技项目, 2009-2012
- [5] 遗传算法动态演化网络的拓扑性质研究, 北京工业大学青科基金, 2008-2010

Related research project directed or taken part in by the tutors are listed as follows:

- [1] Study on the key algorithms of omni-directional vision navigation system for autonomous wheeled soccer robot, Important Project of Hebei Province Natural Science Funds, 2011-2013.
- [2] Study on the cognitive developmental model and physical realization for autonomous search and rescue robots in unknown environment, Beijing Natural Science Funds, 2011-2013.
- [3] Study on the series hybrid electric vehicle control strategy, Youth Science Funds of Beijing University of Technology, 2010-2012.
- [4] Data mining in the dynamic evolution process of genetic algorithms, Beijing Education Committee Sci-Tech Project, 2009-2012.
- [5] Study on the topological properties of the dynamic evolution process of genetic algorithms, Youth Science Funds of Beijing University of Technology, 2008-2010.