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| 0317-A293 | Cleaning robot obstacle avoidance problem <i>Daoming Feng, Lianbang Wei, Guangwei Yu</i> | 1542 |
| 0318-A297 | A Method for Suppressing Grating Lobes of Wideband Reconnaissance DBF <i>Hu Mengzhong, Jin Xueming , Hu Yuankui</i> | 1547 |
| 0319-A300 | The Key Technology And Simulation Of UAV Flight Monitoring System <i>Xue Pengbo, Jin Guodong, Lu Libin, Tan Lining, Ning Jigan</i> | 1551 |
| 0320-A302 | Routing Selection of Motor vehicle based on CIGA-VLC <i>Jianzhao Shao, Yiming Bi, Shipeng Fang, Shimei Zhai</i> | 1558 |
| 0321-A303 | LFM Signal Parameter Estimation based on Nuttall Window Energy Barycenter Correction Method <i>DUAN Hao-nan , ZHU Li , SUN Feng</i> | 1564 |
| 0322-A304 | Face Recognition based on Wavelet Transform and Neural Network <i>Yu Fan, Wuxuan Zhu, Guangzhou Bai, Taibo Li</i> | 1569 |
| 0323-A305 | A Novel Design of Dual-Band Microstrip Filter Antenna <i>Qi Liu, Chuansong Yu, Xianliang Wu, Zhongxiang Zhang, Shuo Wang</i> | 1573 |
| 0324-A308 | Enhancement of DV-Hop by Weighted Hop Distance <i>Qihong Tao, Linghua Zhang</i> | 1577 |

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| 0325-A309 | Research on Telemedicine Technology and Implement based on Virtual Reality <i>Hong Ji, Jing Wang, Jia Gao, Xiaohui Liu</i> | 1581 |
| 0326-A310 | High Stability and Rapid Response Pneumatic Supply System for Microdroplets <i>Dan Mo, Binyu Chen, Shenglan Zeng, Dejian Gu, Quanjun Liu</i> | 1587 |
| 0327-A311 | Study of Transmission Effects of Millimeter Wave through Fog and Haze <i>Lin Lin , Zhu Li</i> | 1591 |
| 0328-A312 | A new packet loss concealment algorithm in VoIP <i>Qingsong Xie, Wei Wei, Quji Chen</i> | 1597 |
| 0329-A314 | Optimization of Multi Kernerl Parallel Support Vector Machine based on Hadoop <i>Wei Nie , Binwen Fan , Xiaomin Kong, Qianqian Ma</i> | 1602 |
| 0330-A315 | A slicing model algorithm based on STL model for additive manufacturing processes <i>Hongwei Xu, Weihua Jing, Minjuan Li, Wei Li</i> | 1607 |
| 0331-A316 | A New Method for Credit Estimation Based on Improved Objective Cluster Analysis (OCA) <i>Chengfeng Zhang, Rui Wang, Tao Zhang</i> | 1611 |
| 0332-A317 | Feature Extraction for Complicated Radar PRI Modulation Modes Based on Auto-correlation Function <i>Zhongya Shi , Hua Wu , Wendi Shen, Siyi Cheng , You Chen</i> | 1617 |
| 0333-A318 | Fault Diagnosis of Diesel Engine Based on Fusion Distance Calculation <i>Liu Gang, Wang Xingcheng</i> | 1621 |
| 0334-A320 | Research of RSSI Indoor Ranging Algorithm Based on Gaussian - Kalman Linear Filtering <i>Kaibi Zhang, Yangchuan Zhang , Subo Wan</i> | 1628 |
| 0335-A326 | An Application of Optimized Repetitive Control in Uninterruptible Power System <i>Junjie Ma , Zejian Shao , Xianbo Nie , Benkun Liu, Xudong Wang</i> | 1633 |
| 0336-A329 | Research and Application of Operating Monitoring and Evaluation for Dispatching Automation and Control System <i>Fang Yu , Weijin Zhuang , Mingyang Sun</i> | 1638 |
| 0337-A331 | Application of Optimized RBF Neural Network in Ship's Autopilot Design <i>Wang Renqiang, Zhao Yuelin, Sun Jianming</i> | 1642 |

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| 0338-A332 | Development of a Road Traffic State Identification Method based on Image Texture Features <i>Song Chen, Ande Chang, Xiansheng Li, Jing Wang</i> | 1647 |
| 0339-A333 | Study on Generalized Predictive Control of Cement Rotary Kiln Calcining Zone Temperature <i>Zhongqiang Yang, Xiaohong Wang, Hongliang Yu</i> | 1653 |
| 0340-A334 | Simulation Analysis of End-to-end QoS Management System Based on RSM model <i>Jingang Zhang, Jiahua Li</i> | 1659 |
| 0341-A335 | Object Tracking Algorithm for UAV Autonomous Aerial Refueling <i>Jiaju Wu, Jianguo Yan, Zhuoya Wang, Yaohong Qu</i> | 1665 |
| 0342-A336 | Comparison of Several Color Histogram Based Retrieval Algorithms <i>Qiuxiang Liao</i> | 1670 |
| 0343-A337 | Face Correction and Recognition of Multi-pose Based on Gaussian Process Regression <i>Gewei Yang , Qinyu Zhang , Anli Yang , Panzhenzhan Wang</i> | 1674 |
| 0344-A339 | Design and Implementation of Mobile Health Monitoring System based on MQTT Protocol <i>Ding Yi, Fan Binwen, Kong Xiaoming, Ma Qianqian</i> | 1679 |
| 0345-A340 | Design on Mobile Health Service System Based on Android Platform <i>Xiaomin Kong , Binwen Fan , Wei Nie , Yi Ding</i> | 1683 |
| 0346-A341 | Analysis and Implementation of Audio Driver Based on ASoC Architecture in Linux System <i>Ma Qianqian, Fan Binwen, Sun Yufei , Yang Anli</i> | 1688 |
| 0347-A342 | An Improved Beamforming Algorithm based on Feature Space <i>Anli Yang , Binwen Fan , Gewei Yang , Qianqian Ma</i> | 1693 |
| 0348-A346 | Design of the Automatic Detection System for the Number of People based on the Ultrasonic Ranging Array <i>Yanming Luo , Mengyou Huo , Zhenjie Zhu</i> | 1697 |
| 0349-A347 | A research of discrete variable structure control algorithm for electro mechanical servo system <i>Tiejun Chen</i> | 1701 |
| 0350-A349 | Topology Optimization Design of 6-DOF Lower Extremity Exoskeleton Leg for Load Carrying <i>Shun Ma , Jinhui Yao , Xiaolong Wei , Yanhe Zhu</i> | 1705 |
| 0351-A350 | An Innovative Booth Algorithm <i>Chengdong Liang , Lijuan Su, Jinzhao Wu , Juxia Xiong</i> | 1711 |

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| 0352-A351 | The Application of Scale Invariant Feature Transform fused with Shape Model in The Human Face Recognition <i>Yuping Feng, Xuemei An, Ximei Liu</i> | 1716 |
| 0353-A352 | A Bitsum Attack Research Based on TEA <i>Jiayin Tian, Xu Gao</i> | 1721 |
| 0354-A353 | The Research on ICG signal De-noising <i>Shan Liu ,Keming Yue ,Hua Yang ,Ting Guo</i> | 1725 |
| 0355-A354 | Fault mode prediction based on decision tree <i>Yasenjiang•Jiarula, Jianmin Gao, Zhiyong Gao, Hongquan Jiang , Rongxi Wang</i> | 1729 |
| 0356-A357 | Design and Performance Test in an Interconnected TD-LTE Train-Ground Communication for Urban Rail Transit System <i>Chaogang Si, Changmin Teng, Li Wang</i> | 1734 |
| 0357-A359 | Development of An Intelligent Interaction Service Robot Using ROS <i>Zhang Zhaohui, Mei Xuesong ,Bian Xu ,Cai Hanghang ,Ti Jian</i> | 1738 |
| 0358-A360 | A Study of Welding Robot Path Planning Application Based on Genetic Ant Colony Hybrid Algorithm <i>Haiming Shen</i> | 1743 |
| 0359-A365 | Grasping Force Control Preventing Excessive Deformation for Underactuated Prosthetic Hands <i>Yi Zhang ,Li Chu ,Wendi Zhuo ,Hua Deng</i> | 1747 |
| 0360-A367 | Force Tracking Fuzzy Control of a Shape Memory Alloy Actuator <i>Rong Hu, Fei Gao, Yi Zhang, Hua Deng</i> | 1752 |
| 0361-A369 | GMRES polynomial pretreatment algorithm to optimize the smoke simulation solution of the navierstokes equations <i>Xiuchang Li ,Jin Duan,Bo Xiao</i> | 1757 |
| 0362-A370 | Intelligent Prediction Method of Quality for Continuous Casting Process <i>Liping Zhao ,Rushan Dou,Junjun Yin , Yiyong Yao</i> | 1761 |
| 0363-A372 | A Speech Synthesis Technology Based on PWM which is Capable of Rewriting Online <i>ShaoWei Xie</i> | 1765 |
| 0364-A373 | Design and Achievement of the Visible Light Audio Communication System <i>Zunnian Liu, Hongsheng Li, Qiang Cheng, Yang Wang, Wenda Zhao, Zheng Zhang, Yingyun Tong</i> | 1770 |
| 0365-A374 | Simulation Analysis on Static Scattering Characteristics of Stealth Aircraft <i>Lei Zhu ,Xiaolong Liang ,Jiong Li ,Rui Li</i> | 1774 |

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| 0366-A375 | ECG signals Denoising Method Based on Improved Wavelet Threshold Algorithm <i>ZHANG Jin, LIN Jia-lun , LI Xiao-ling, WANG wei-quan</i> | 1779 |
| 0367-A377 | Complex network characteristics and Evolution research of Software Architecture <i>Haohua Zhang, Xiaoshu Zhao, Xinhe Yu, Ling Liu, Shijun Ma</i> | 1785 |
| 0368-A378 | Unified Power Flow Controller Based On Fuzzy Self-organizing Neural Network <i>Jiangbo Huang , Fuzhi-hong</i> | 1789 |
| 0369-A380 | Trajectory Oscillation Suppression Control for Lifting Reentry Vehicles with Predictor-Corrector Guidance <i>Jie Gu, Shuguang Zhang, Baoyin Wang, Fan Yang</i> | 1794 |
| 0370-A400 | Portable Monitoring Instrument of Physiological Parameter Based on MSP430 Microcontroller <i>Chun Jiao, Guojian Cheng, Ming Tang, Shiwei Chen</i> | 1800 |
| 0371-A406 | Reliability Evaluation for Unmanned Aerial Vehicle Components Based on Markov Degradation Process <i>Yifang Tan, Ding Feng</i> | 1804 |
| 0372-A412 | BST Thin Films Deposited by RF-magnetron Sputtering and Dielectric Property Research <i>Fangqi Gao, Jiadai An</i> | 1808 |
| 0373-A413 | Analysis of Sampling Rate Conversion Technology in Software Radio <i>Yamei Zhang, Yunfang Hao</i> | 1812 |
| 0374-A414 | A Mining Algorithm for Distributed Global Maximal Frequent Itemsets based on Sorted SCan-Tree <i>Yulei Huang, Jinhuan Wang, Yan Li, Qing Lin</i> | 1818 |
| 0375-A415 | A Fast Scene Matching Method for Navigation System based on the Improved Hausdorff Distance <i>Yanjun Fu, Guojian Cheng, Xiaohua Tian, Kaifeng Sun</i> | 1825 |
| 0376-A416 | Color Image Segmentation Based on Watershed Transform and Feature Clustering <i>Xiaohua Tian, Wangsheng Yu</i> | 1830 |
| 0377-A417 | SNR Classification Based on Amplitude Modulation Spectrogram via Deep Belief Networks <i>Wei Wei , Qing-Song Xie , Qu-Ji Chen</i> | 1834 |
| 0378-A419 | Addressing the problem of Integration Using An Extended Enterprise Model for Enterprise <i>Inji Wijegunaratne , Yale Yu, Sharma Madiraju</i> | 1841 |

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|-----------|--|------|
| 0379-A420 | Data Centre Transformation: Integrated Business Model Framework of Cloud Computing Oriented Data Centre <i>Yale Yu, Guojian Cheng, Xinjian Qiang</i> | 1848 |
| 0380-A421 | A Microservice Based Reference Architecture Model in the Context of Enterprise Architecture <i>Yale Yu, Haydn Silveira, Max Sundaram</i> | 1856 |
| 0381-A422 | Quantitative Trust Assessment Method based on Bayesian Network <i>Qin Lin, Dewang Ren</i> | 1861 |
| 0382-A423 | Study of Signal Processing Circuits Based on In-system Programmable Analog Circuit <i>Duren Liu, Yamei Zhang</i> | 1865 |
| 0383-A424 | Study of Semantic Reasoning based on Ontology Description Logic <i>Jinhuan Wang, Baomin Li</i> | 1869 |
| 0384-A425 | Digital PID Controller Designed and Realized based on State Machine <i>Jing Wu, Min Zhou</i> | 1873 |
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| 0387-A430 | Method for Realizing Storage Control with a Direct Control of Hard Disk by Using FPGA and DSP <i>Wei Zhang, Yan Zhang, Ming Tang</i> | 1887 |
| 0388-A431 | Research on Fog and Haze Monitoring System <i>Yamei Zhang, Yanqin Cao</i> | 1891 |
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| 0392-C107 | Distance-based Control of Formations with Hybrid Communication Topology: Three-agent Case <i>Feng Liang, Fuqiang Wang, Xue Zhao, Yun Hou</i> | 1910 |

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|-----------|---|------|
| 0393-C110 | Fast human body 3D data acquisition based on multi body sensor <i>Renqi Yuan , Zengbo Xu</i> | 1916 |
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| 0395-C116 | Histogram Based Watermarking Algorithm Robust to Geometric Attack with High Embedding Capacity <i>Wei Zheng, WenJie Liu, ShunDong Li, XiangHui Zhao, DaoShun Wang</i> | 1927 |
| 0396-C117 | Time-Spread Echo Method for Digital Audio Watermarking with Random Interval <i>WenJie Liu, ShunDong Li, XianHui Zhao, DaoShun Wang</i> | 1934 |
| 0397-C118 | LQ Stochastic Optimal Control of Forward-Backward Stochastic Control System Driven by Lévy Process <i>Hong Huang, Xiangrong Wang</i> | 1939 |
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| 0400-C126 | Improving Liquid State Machine with Hybrid Plasticity <i>Fangzheng Xue, Hang Guan, Xiumin Li</i> | 1955 |
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| 0403-C131 | Based On The Particle Swarm Optimization Neural Network Integration Algorithm In Internet of Vehicles Application <i>Zhang Li , Lu Fei, Zhao Yongyi</i> | 1973 |
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|-----------|--|-------------|
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| 0410-C140 | A Snap Judgment Algorithm For Feasible Interactions Based on Hasse Diagram in BIP <i>Cheng Zhou, Zhonghai Yin, Youqian Feng, Mingjie Li, Yanan Chu, Xin Zhao, Lei Wang</i> | 2009 |
| 0411-C143 | LTE-M System Performance of Integrated Services Based on Field Test Results <i>Hongli Zhao, Hailin Jiang</i> | 2016 |
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