

Table of Contents

1	Energy-saving routing algorithm for mobile blockchain Device-to-Device network in 5G edge computing environment.....	1
	<i>Hao Qiu; Changlong Lv; Ding Zhou</i>	
2	Overview of the application of agriculture big data research	11
	<i>Dahui Hu; Zhiguo Du</i>	
3	Construction and application of vegetable traceability system based on safety production informational management model.....	16
	<i>Qing Zhao; Dandan Chen; Hecang Zang; Jie Zhang; Yilang Qin; Guoqing Zheng; Guoqiang Li</i>	
4	Thermal conductivity prediction with Fully Connected Neural Network	22
	<i>Xingxing Zhang; Shaobo Li; Liya Yu; Rongzhi Dong; Qisong Song; Zhongyu Wang</i>	
5	Multi-scenario application of intelligent response in telecom industry operation and maintenance field.....	27
	<i>Zipeng Chen; Pei Liu; Longgang Zhao; Nannan Wang; Fan Xia; Peixia Sun; Qian Chang</i>	
6	Research on cable force control of cable-driven parallel robot	35
	<i>Jilei Zhang; Shangying Zhang; Keju Chen</i>	
7	The construction of virtual desktop cloud and services in the communication network in Guizhou Power Grid.....	39
	<i>Xu Liu; Zhen Pan; Kang Liu; Qing Liu; Guanghui Zhang; Linyu Peng; Ji Shi; Zhifan Yin</i>	
8	A method to evaluate rope-jumping skills based on smartphone and OpenPose.....	44
	<i>Chunyi Yu; Haibo Hu</i>	
9	Defect detection of four-color display screen based on color equalization and local dynamic threshold segmentation.....	49
	<i>Lingyu Shuai; Huaixin Chen; Zhixi Wang</i>	
10	Dual-channel decoupling method for spatial target pose estimation based on RGB images.....	54
	<i>Yufei Liu; Weijie Wang; Ruida Ye</i>	
11	Simulation and measurement of sound field control in array loud-speaker system.....	60
	<i>Lu Ji; Huaijiang Wen</i>	
12	Information processing in biomorphic neuroprocessor	66
	<i>Udovichenko Serrgey; Pisarev Alexander; Busygin Alexander; Ebrahim Abdullah; Bobylev Andrey; Gubin Alexey</i>	

13	KASN: Knowledge-Aware Siamese Network for sentiment analysis	71
	<i>Jiaheng Zhang; Kezhi Mao; Yuecong Xu; Pengfei Li</i>	
14	A transfer learning fusion model for semi-physical simulation and filed accuracy data	79
	<i>Huapin Geng; Xiaolu Li; Ziwei Li; Bin Suo</i>	
15	Electricity load forecasting based on an Interpretable ProbSparse attention mechanism.....	85
	<i>Han Zhang; Chen Peng; Jun Li; Yajie Niu; Longxiang Li</i>	
16	Digital audio tampering detection using ENF feature and LSTM-Inception net.....	92
	<i>Jinhong Zhao; Binbin Lu; Lian Huang; Mingjing Huang; Jiahao Huang</i>	
17	A study on the method of eliminating duplication of ocean temperature and salinity data	96
	<i>Fengying Ji; Mingmei Dong; Yulong Liu; Shanshan Xu; Fangfang Wan; Xiaoxiao Shi; Luyao Han; Xinyang Yue; Zengjian Zhang</i>	
18	A construction method of a knowledge graph of power system based on various data-driven missions	103
	<i>Jiangang Lu; Zhiwen Yu; Shiming Li; Yue Dai; Ruifeng Zhao; Kaiwen Zeng; Wenjie Zheng; Chengge Gao; Ye Guo</i>	
19	A review of security-constrained optimal power flow calculation method	108
	<i>Shiming Li; Jiangang Lu; Zhiwen Yu; Yue Dai; Shudi Liu; Wenjun Tang; Ye Guo</i>	
20	The design of network educational resources service platform based on cloud computing	114
	<i>Xuan Wang; Lei Huang</i>	
21	A large convolution model with large receptive field for human pose estimation.....	119
	<i>Zongyou Liu; Qinghan Jin; Hongwei Liang; Yuhan Wang; Fengyi Qiu; Shilan Liu</i>	
22	5G MEC deployments: Low-latency services context synchronization in mobility.....	123
	<i>Cristina Regueiro; Iván Gutierrez-Agüero; Oscar Lage</i>	
23	Research on proofreading methods of Chinese semantic knowledge.....	130
	<i>Xueli Bai; Jianyi Li; Hongjun Wang; He Liu</i>	
24	Standardized detection and counting of sit-ups based on CenterNet.....	138
	<i>Zhilei Zhu; Xiaoming Gao; Yaling Shi; Zhenyu Shi</i>	
25	An infrared and visible image fusion method based on latent low rank representation and Karhunen-Loeve transform.....	145
	<i>Xiaohua Ling; Xiaoming Gao</i>	
26	Research on the visual identification and classification-based perception method of trash bins for automated garbage trucks	151
	<i>Xinlun Leng; Bohua Sun; Yufei Zhang; Yaxin Li; Jiliang Lv; Qiang Liu</i>	

27	Transmission line pin detection based on improved SSD.....	156
	<i>Ruihai Li; Yang Yang; Nan Li; Wei Zhang; Guifeng Zhang; Yuxuan Yang</i>	
28	Identifying stable hybrid double perovskites with high-performance photovoltaic and thermal properties via machine learning.....	162
	<i>Renrun Zhang; Yan Cen</i>	
29	Application of intelligent evaluation in English MOOCs in higher vocational colleges.....	167
	<i>Jie Zhang</i>	
30	Analysis and filtering based on coagulation signal.....	174
	<i>Nengkai Wu; Dongyao Jia; Chuanwang Zhang</i>	
31	Research of the safety testing method for smart clothing.....	180
	<i>Xiaojie Liu; Ning He; Xiaofang Sun</i>	
32	Emotion classification through text with proposed hybrid learning emotion model.....	186
	<i>Kai Wei Tan; Woan Ning Lim; Yunli Lee</i>	
33	Set-membership PHD filter for multiple maneuvering targets.....	191
	<i>Wenhao Xiang; Dongchen Li; Meng Zhang; Xuejian Hou</i>	
34	Metal surface defect detection based on grouped convolution and bidirectional feature fusion.....	196
	<i>Ting Li; Erdun Zhao; Yi Chen; Yajie Hu</i>	
35	A multilateral multi-issue automated negotiation model based on NSGA-III.....	203
	<i>Mukun Cao; Shengjie Dang</i>	
36	A comparative analysis of Convolution Neural Network models on Amazon Cloud Service.....	208
	<i>Rim Doukha; Sidi Ahmed Mahmoudi; Mostapha Zbakh; Pierre Manneback</i>	
37	Intelligent optimization of reactive voltage in power grid including PV.....	215
	<i>Lei Jiang; Peng Li; Dongsheng Liu; Zhenbin Du; Jiahao Wang; Dong Zhang; Youpeng Pan</i>	