

2018 9th International Conference on Information Technology in Medicine and Education

ITME 2018

Conference Program

China Jiliang University

October 19-21, 2018, in Hangzhou, Zhejiang, China

Technically Co-Sponsored by

IEEE Computer Society, USA

Sponsored by

China Jiliang University, China

Zhejiang University, China

Zhejiang provincial natural science foundation, China

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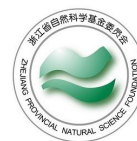
Henan University of Technology, China

Wuhan University of Technology, China

East China Normal University, China

Birmingham City University, UK

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Message from the ITME 2018 General Chairs

ITME 2018 is the 9th International Conference on Information Technology in Medicine and Education. This conference will be taken place on October 19-21, 2018, in Hangzhou, Zhejiang, China. The aim of the ITME 2018 is to provide an international conference for scientific research on IT in Medicine and Education. It was Technically Co-Sponsored by IEEE Computer Society, and sponsored by China Jiliang University, Zhejiang University, Zhejiang provincial natural science foundation, Fujian University of Traditional Chinese Medicine, University of Texas at San Antonio (UTSA), Swinburne University of Technology, Australia, Iwate Prefectural University, Shandong Normal University, Xiamen University, Fuzhou University, Hunan University of Humanities, Science and Technology.

ITME 2018 is the next event in a series of highly successful the International conference on IT in Medicine and Education, ITME-16 (Fuzhou, China, December 2016), ITME-15 (Huangshan, China, November 2015), ITME-14 (Jeju, Korea, July 2014), ITME-13 (Xining, China, July 2013), ITME-12 (Hokkaido, Japan, August 2012), ITME-11 (Guangzhou, China, December 2011), ITME-09 (Jinan, China, August 2009), ITME-08 (Xiamen, China, December 2008).

We would like to express our special thanks go to the Program Chairs: Shaozi Li (Xiamen University, China), Ying Dai (Iwate Prefectural University, Japan), Xiangwei Zheng (Shandong Normal University, China), Jianguo Chen (China Jiliang University, China), Chen Pan (China Jiliang University, China), Zhigang Gao (Hangzhou Dianzi University, China), all program committee members and all the additional reviewers for their valuable efforts in the review process, which helped us to guarantee the highest quality of the selected papers for the conference.

We cordially thank all the authors for their valuable contributions and the other participants of this conference. The conference would not have been possible without their support. Thanks are also due to the many experts who contributed to making the event a success.

August 20, 2018

Qun Jin, Waseda University, Japan
Ning Jin, China Jiliang University, China
ITME 2018 General Chairs

Message from the ITME 2018 Program Chairs

Welcome to the 9th International Conference on Information Technology in Medicine and Education (ITME 2018), which will be held on October 19-21, 2018, in Hangzhou, Zhejiang, China. ITME 2018 will be the most comprehensive conference focused on the IT in Medicine and Education. ITME 2018 will provide an opportunity for academic and industry professionals to discuss recent progress in the area of Medicine and Education. In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications on IT in Medicine and Education. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in these important subjects.

For ITME 2018, we received many paper submissions, after a rigorous peer review process, only very outstanding paper can be accepted for the ITME 2018 proceedings, published by the IEEE Conference Publishing Services. All submitted papers have undergone blind reviews by at least two reviewers from the technical program committee, which consists of leading researchers around the globe. Without their hard work, achieving such a high-quality proceeding would not have been possible. We take this opportunity to thank them for their great support and cooperation. We also would like to thank all of you for your participation in our conference, and also thank all the authors, reviewers, and organizing committee members.

Thank you and enjoy the conference!

August 20, 2018

Shaozi Li, Xiamen University, China
Ying Dai, Iwate Prefectural University, Japan
Xiangwei Zheng, Shandong Normal University, China
Jianguo Chen, China Jiliang University, China
Chen Pan, China Jiliang University, China
Zhigang Gao, Hangzhou Dianzi University, China
ITME 2018 Program Chairs

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Zongmin LI, China University of Petroleum, China
Zongpu JIA, Henan Polytechnic University, China

On Effective Computer Science Education in the Era of Information Technology

Jie Wu, Laura H. Carnell Professor, Director
Department of Computer and Information Sciences, Center for Networked Computing
Temple University, USA

Abstract:

This talk focuses on the challenges and opportunities of computer science education. We start with ACM Computing curriculum recommendations for several related computing fields, including computer engineering, computer science, information systems, and information technology. In recent years, significant technological advances have occurred in the areas of big data, AI, cybersecurity and IoT. One key challenge is how to tailor curriculum to the rapidly changing landscape of computer technology while still maintaining the core identity of computing. We elaborate on the importance of computing education to the society as a whole and discuss possible pathways to expanding computing education, including to K-12 education. Finally, we discuss how we should educate our next generation by promoting creativity and compare different education systems and their objectives.

Short Bio



Jie Wu is the Director of the Center for Networked Computing and Laura H. Carnell professor at Temple University. He also serves as the Director of International Affairs at College of Science and Technology. He served as Chair of Department of Computer and Information Sciences from the summer of 2009 to the summer of 2016 and Associate Vice Provost for International Affairs from the fall of 2015 to the summer of 2017. Prior to joining Temple University, he was a program director at the National Science Foundation and was a distinguished professor at Florida Atlantic University. His current research interests include mobile computing and wireless networks, routing protocols, cloud and green computing, network trust and security, and social network applications. Dr. Wu regularly publishes in scholarly journals, conference proceedings, and books. He serves on several editorial boards, including IEEE Transactions on Service Computing and the Journal of Parallel and Distributed Computing. Dr. Wu was general co-chair for IEEE MASS 2006, IEEE IPDPS 2008, IEEE ICDCS 2013, ACM MobiHoc 2014, ICPP 2016, and IEEE CNS 2016, as well as program co-chair for IEEE INFOCOM 2011 and CCF CNCC 2013. He was an IEEE Computer Society Distinguished Visitor, ACM Distinguished Speaker, and chair for the IEEE Technical Committee on Distributed Processing (TCDP). Dr. Wu is a CCF Distinguished Speaker and a Fellow of the IEEE. He is the recipient of the 2011 China Computer Federation (CCF) Overseas Outstanding Achievement Award.

Deep Learning: New Frontiers and Applications in Healthcare and Automotive Industries

Ming Dong, Professor, Co-Director
Department of Computer Science, Data Science and Business Analytics Program
College of Engineering, Wayne State University, USA

Abstract:

The performance of machine learning approaches is heavily dependent on the choice and quality of data representation. Deep learning is part of a broader family of machine learning methods based on learning meaningful and effective data representations, as opposed to feature engineering. Convolutional Neural Networks (CNNs) are deep learning models that generate different feature maps of the input data by using a sequence of convolutional and pooling layers before classifying them using fully connected layers. In this talk, we will present some new ideas and applications of CNN in healthcare and automotive industry applications, including CNN with attention mechanism for the detection of the functionally-important white matter pathway in human brains, Generating Synthetic CTs from Magnetic Resonance Images using Generative Adversarial Networks and deep transfer learning with generalized fisher information.

Short Bio



Ming Dong received his B. S. degrees in electrical engineering and industrial management engineering from Shanghai Jiao Tong University, Shanghai, China, in 1995. He received his Ph. D degree in electrical engineering from University of Cincinnati in 2001. He is currently a full professor in the Department Computer Science and a co-director of the Data Science and Business Analytics program at Wayne State University (WSU). He is also the advisor on student data management in the graduate school of WSU.

Dr. Dong's areas of research include deep learning, data mining, and computer vision. His research is funded by National Science Foundation, National Institutes of Health, State of Michigan, Private Foundations (e.g., Michigan Health Endorsement Fund, Epilepsy Foundation) and Industries (e.g., APB Investment, Ford Motor Company). He has published over 100 technical articles in premium journals and conferences in his research area such as CVPR and ICCV. He is currently an associate editor of Statistical Analysis and Data Mining, the American Statistical Association (ASA) Data Science Journal (since 2017) and Journal of Smart Health (Since 2016). He served in many conference program committees and US National Science Foundation panels.

Big Data Privacy Protection

Prof. Jinjun Chen

Swinburne University of Technology, Australia

Abstract:

While more and more data is being hosted on cloud, privacy protection is becoming increasingly worrying to the community. How to protect personal privacy in a timely manner and in an effective way is challenging given that there is huge amount of data records, data is transferred between different domains as well as different types of data is being hosted together. Especially, data privacy needs to be protected before data can be analyzed. In this talk, we will highlight our research in this area and main challenges we are trying to address.

Short Bio:



Dr Jinjun Chen is a Professor from Swinburne University of Technology, Australia. He is Deputy Director of Swinburne Data Science Research Institute, and Director of Data Systems and Advanced Analytics. He holds a PhD in Information Technology from Swinburne University of Technology, Australia. His research interests include scalability, big data, data science, data systems, cloud computing, data privacy and security, health data analytics and related various research topics. His research results have been published in more than 140 papers in international journals and conferences, including various IEEE/ACM Transactions.

He received UTS Vice-Chancellor's Awards for Research Excellence Highly Commended (2014), UTS Vice-Chancellor's Awards for Research Excellence Finalist (2013), Swinburne Vice-Chancellor's Research Award (ECR) (2008), IEEE Computer Society Outstanding Leadership Award (2008-2009) and (2010-2011), IEEE Computer Society Service Award (2007), Swinburne Faculty of ICT Research Thesis Excellence Award (2007). He is an Associate Editor for ACM Computing Surveys, IEEE Transactions on Big Data, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Cloud Computing, as well as other journals such as Journal of Computer and System Sciences.

Conference Schedule

Date	Time	China Jiliang University	Hangzhou Shujiang Hotel
		闻厅（二楼报告厅）	人和厅（二楼 V06）
2018-10-19	08:30-18:00		Registration
2018-10-20	08:40-18:00		Registration
	09:00-09:25	Opening Remarks	
	09:25-10:10	Keynote by Jie Wu	
	10:10-10:30	Coffee break	
	10:30-11:15	Keynote by Ming Dong	
	11:15-12:00	Keynote by Jinjun Chen	
	12:00-12:50	Lunch	
	13:20-15:20		Oral Session A1
	15:20-15:40		Coffee break
	15:40-17:40		Oral Session C1
	18:00-19:30		Banquet
	2018-10-21	09:00-18:00	
09:00-10:20			Oral Session B1
10:20-10:40			Coffee break
10:40-12:00			Oral Session B2
12:00-13:00			Lunch
13:20-15:20			Oral Session A2
15:20-15:40			Coffee break
15:40-17:40			Oral Session C2
18:00-19:00			Dinner

Instructions for Presentations

Oral Presentation

Devices Provided by the Conference:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively): 20 minutes

Regular Oral Session: about 15 Minutes of Presentation, 5 Minutes of Q&A

Keynote Speech: 40 Minutes of Presentation, 5 Minutes of Q&A

Poster Session

Poster Session at inside of Meeting Room. The time at October 20-21, 2018

Devices Provided by the Conference:

Space and nails

Materials Provided by the Presenters:

90cm×60cm poster

October 19, 2018

Registration 08:30-18:00 (Hangzhou Shujiang Hotel)

October 20, 2018

09:00-12:00 (China Jiliang University)

09:00—09:25 Opening Remarks and Take Photos

09:25-10:10 Keynote 1

On Effective Computer Science Education in the Era of Information Technology

Jie Wu, Laura H. Carnell Professor, Director

10:10-10:30 Coffee break

10:30-11:15 Keynote 2

Deep Learning: New Frontiers and Applications in Healthcare and Automotive Industries

Ming Dong, Professor, Co-Director

11:15-12:00 Keynote 3

Big Data Privacy Protection

Jinjun Chen, Professor

12:00-12:50 Lunch (China Jiliang University)

13:20-17:40 (Hangzhou Shujiang Hotel)

13:20-15:20 Oral Session A1

Session Chair: Ying Kong, Zhejiang University of Science and Technology

12055	An Ontology-based Approach to Double Scenario Model Knowledge Base Development for International Disaster Relief	Min Zhu; Ruxue Chen; Xingfeng Li; Tianye Lin; Quanyi Huang*; Shaobo Zhong
12078	Machine Learning-based Techniques for Fall Detection in Geriatric Healthcare Systems	Anita Ramachandran, Adarsh R., Piyush Pahwa, Anupama K. R.
12139	Weighted Res-UNet for high-quality retina vessel segmentation	Xiao Xiao, Sheng Lian, Zhiming Luo and Shaozi Li
12143	A Hybrid Ensemble Algorithm Combining AdaBoost and Genetic Algorithm for Cancer Classification with Gene Expression Data	Huijuan Lu, Huiyun Gao, Minchao Ye, Ke Yan, Xiuhui Wang
12157	Thyroid Nodule Classification using Two Levels Attention-Based Bi-Directional LSTM with Ultrasound Reports	Dehua Chen, Junhao Zhang, Weimin Li
12183	A new efficient algorithm for weighted vertex cover in bipartite graphs based on a dual problem	Zhang Yujiao, Duan Xia, Yue Xuerong, Chen Zhibin
12191	Humanoid soft hand design based on sEMG control	Naishi Feng, Hong Wang, Fo Hu, Jiale Gong

12194	Applying QR Code to Secure Medical Management	Xuehu Yan, Yuliang Lu
12229	Combining EEG and VR Technology to Assess Fear of Heights	Qiaoxiu Wang, Hong Wang, Fo Hu

15:20-15:40 Coffee break

15:40-17:40 Oral Session C1

Session Chair: Bo WU, Waseda University

12007	User Modeling based on Sentiment Analysis	Kuan-Hua Lai, Neil Y. Yen, Jason C. Hung
12076	Establishment of RT-LAMP detection method for Bluetongue virus	Han Zhang, Yu-min ZHANG , Pei-ran FENG, Ruo-yu ZHENG, Luo Yi-lin and Ze-xiao YANG
12095	Deep Feature Learning based Clustering with Application to TCM Data Analysis	Gang Zhang, Yong-hui Huang, Xiao-bo Zhang
12101	Feature-based Dividing Symbolic Time Series Representation for Streaming Data Processing	Peng Zhan, Yupeng Hu, Qi Zhang, Jiecai Zheng, Xueqing Li
12104	A Mobile Tool for Interactive Visualisation of Genomics Data	Quang Vinh Nguyen, Chng Wei Lau Zhonglin Qu, Mao Lin Huang, Daniel R. Catchpoole, Simeon Simoff
12116	Research on the prediction model of environmental artificial intelligence	Zhang Bing
12134	Effects of Clothing Pressure on Blood Circulation during Gymnastics Sports	Jinmei Sun, Xiaoxia Song
12265	Extraction of Factors Related to Transportations and Destinations by Decision Trees for Personal Whereabouts Modeling	Seiji Kasuya, Kiichi Tago, Xiaokang Zhou, Qun Jin

18:00-19:30 Banquet (Hangzhou Shujiang Hotel)

October 21, 2018 (Hangzhou Shujiang Hotel)

09:00-10:20 Oral Session B1

Session Chair: K.R.Anupama, Birla Institute of Technology & Science - KK Birla Goa Campus

12092	Development of interactive experimental teaching platform for workshop layout simulation based on improved genetic algorithm	Yabo Luo, Fengyi He
12097	Assessing the Effectiveness of Augmented Reality Courseware "Eight Planets in the Solar System"	Jun Xiao, Shuo Cai Xuejiao Li, Hui Qiao

12100	Case-based Teaching on Designing And Realizing An Innovation Algorithm	Waden Yongo, Yabo Luo
12154	Research of Intelligent Library Based on RFID Technology	Jie Zhang, Yongsheng Zhang, Xiaolong Wu
12201	Application of SaaS mode in customizable graduation design management system	Huihui Wang, Hongzhen Zheng, Fanchao Meng
12245	Chaotic Evolution with Random Crossover Rate in Single Objective Optimization Problems	Yan Pei, Jianqiang Li

10:20-10:40 Coffee break

10:40-12:00 Oral Session B2

Session Chair: Yan Pei, University of Aizu

12255	ECUE: An Edge Computing System for University Education	Zhigang Gao, Zhichao Cheng, Xiaowei Yang, Huijuan Lu, Minchao Ye, Wenjie Diao
12258	Study on Blended Learning Under the Background of Emerging Engineering Education	Jianguo Chen; Huijuan Lu; Hangxia Zhou; Yongxia Zhou
12270	E-Learning Pedagogical Strategy: Present and Trends in Scientific Research	Weiran Zhang, Jens Mathis Rieckmann
12277	Exploration and Practice of hybrid Teaching Mode under MOOC Environment--Taking "database system principle" as an example	Huijuan Lu, Minchao Ye, Boyong Gao, Wei Guan, Gaozhi Gang
12283	A Study of the Reading Behavior of University Students	Yishui ZHU, Shijie GAO

12:00-13:00 Lunch (Hangzhou Shujiang Hotel)

13:20-15:20 Oral Session A2

Session Chair: Yishui ZHU, Chang'an University

12235	Detection of Anomaly Health Data by Specifying Latent Factors with SEM and Estimating Hidden States with HMM	Kiichi Tago, Qun Jin
12238	An Extended Genetic Algorithm based Gene Selection Framework for Cancer Diagnosis	Ke Yan, Huijuan Lu
12244	Experiment and Analysis on Visual Field and Fixation when Going Upstairs and Downstairs	Bo Wu, Shoji Nishimura, Qun Jin.
12250	Relationship between Air Pollutants and Outpatient Visits for Respiratory Diseases in Hangzhou	Ruyi Zhou, Dasheng Wu*, Yang Li, Bin Wang

12251	Extracting photoplethysmographic waveform from bulbar conjunctiva video	Xiang Ma, Huijuan Lu, Ke Yan, Kexin Xu, Rong Liu, Jingying Jiang
12266	Unbalance Data Processing Strategy for Improving Protein Interaction Sites Prediction	Changqing Mei, Yuanyuan Wang, Kun Lu, Bing Wang
12267	Inference of gene regulations between multiple activators/inhibitors and singular genes	Xiaozheng Deng, Yu Chen
12268	Using imbalanced learning: A case study in refractive surgery outcome prediction	Wei Wang, Yong Yue, Ahmed Elsheikh, Fangjun Bao
12271	Service quality improvement of hospital reservation system based on text sentiment analysis	Ting Liu; Yanbo Ma; Xiao Yang
12286	One Patient. Two Patient. Three Patient. Four- When Patients Are Counted But Not Accounted For: Pseudoreplication In Medicine	Francis A. M. Manno III, Sinai H.C. Manno, Irfan Ahmed, Yuanchao Liu, Shuk Han Cheng, Condon Lau

15:20-15:40 Coffee break

15:40-17:40 Oral Session C2

Session Chair: Zhigang Gao, Hangzhou Dianzi University

12151	Design and Implementation of Virtual Experimental Platform for Power System Teaching	Tianyu Fang, Hengxu Zhang
12171	SRPA: SDN-based Routing Protocol for Ad Hoc Networks	Dejian Wei, Zhiyuan Liu, Hui Cao
12203	Correlation analysis of health and Traditional Chinese Medicine (TCM) pulse diagnosis for the elderly using wearable devices	Siyu Zhou, Atsushi Ogihara, Shoji Nishimura, Qun Jin
12234	A deep learning network for point cloud of medicine structure	Jia Guo, Xuanxia Yao, Mengyu Shen, Jiafei Wang, Wanyou Liao
12247	i-Blockchain: A Blockchain-Empowered Individual-Centric Framework for Privacy-Preserved Use of Personal Health Data	Kenichi Ito, Kiichi Tago, Qun Jin
12280	Visualization of Geographic Information Retrieval Results Supporting User Participation	Xiao-zhu XIE, Yang Zhang
12308	An effective feature selection scheme for healthcare data classification using binary particle swarm optimization	Yiyuan Chen, Yufeng Wang, Liang Cao, Qun Jin
12312	Intelligent Placement Model Based On Decision Tree	Congyu Cai, Huijuan Lu, Ke Yan, Minchao Ye

18:00-19:00 Dinner (Hangzhou Shujiang Hotel)

Poster Session

October 20, 2018 (13:20-15:20)

Poster Session A

12015	Investigation and Analysis of Information Needs of Patients with Chronic Diseases at Different Stages of Change	Li guiling, Tang meiling, Wu xiuqin, Xu chunmiao, Zhan weixin, Wu lihong
12031	iNOS via Peroxynitrite Overformation Mediates Aortic Endothelial Injury in Diabetic Rats	Ruiyu Li, Bin Li, Ye Lei, Mi-shan Wu, Yiming Li, Ying-min Jia, Kun Liu
12038	Predicting carbonylation sites of human proteins with a new max-significance and min-redundancy feature selection criterion	Hongqiang Lyu, Lele Hao, Jiguang Zheng, Congyi Liu, Yongyi Liu, Yuzhu Shang
12042	Validation of deformable dose accumulation for cervical cancer interstitial brachytherapy	Binbing Wang, Xiaoxian Xu
12065	Disease classification model based on Qubit neural tree networks	Feng Qi, Qimei Wang, Lili Xu
12073	CNN denoising for medical image based on wavelet domain	Lanjuan Li, Jingyang Wu, Xinyu Jin
12083	Primary hyperparathyroidism caused by ectopic parathyroid adenoma: experience sharing and literature review	Weiyun Pan, Na Wei, Zhi Lv, Peisong Wang, Guang Chen
12084	Surgical treatment of differentiated thyroid carcinoma originating in the isthmus (a literature review)	Weiyun Pan, Na Wei, Zhi Lv, Peisong Wang, Guang Chen
12085	Technology introduction and experience sharing of transcutaneous laryngeal ultrasonography in vocal cord evaluation before and after thyroidectomy	Na Wei, Qiyu Lu, Zhi Lv, Peisong Wang, Guang Chen
12086	Neck hematoma caused by spontaneous hemorrhage of thyroid : Experience Sharing and Literature Review	Yuanyuan Wang, Zhihui Sun, Zhi Lv, Peisong Wang, Guang Chen
12087	Microwave Ablation Treatment of Primary Hyperparathyroidism: Experience Sharing and Literature Review	Yanhua Li, Zhihui Sun, Zhi Lv, Peisong Wang, Wei Meng
12088	Latest progress of percutaneous thermal ablation treatment for secondary hyperparathyroidism (a literature review)	Na Wei, Tingting Fu, Zhi Lv, Peisong Wang
12089	Nursing cooperation for complex thyroid surgery	Na Li, Jiting Zhang, Zhi Lv, Peisong Wang
12091	Clinical Observation and Nursing Experience of Complications in Thyroid Surgery	Na Li, Xiao Han, Zhi Lv, Peisong Wang
12094	Acupuncture combined with musical therapy in the treatment of post-stroke depression: a case report	Facai Lin, Yuhang Qin, Jianzhu Wang, Feng Hao, Yunchuan Wu
12098	AE-CNN Classification of Pulmonary Tuberculosis Based on CT images	Lanjuan Li, Haiyang Huang, Xinyu Jin
12099	Classification of Neurodegenerative Diseases Based on CNN and LSTM	Lanjuan Li, Zubiao Ning, Xinyu Jin

12108	Risk factors analysis of 48 cases of brain metastases in breast cancer	Ting Zhang, Peisong Wang, Yanhua Li, Xiaojuan Zou, Yandong Zhang, Xiaodong Shi
12109	A case of secondary bloodthirsty syndrome in Still's disease in adults	Xue Jin, Peisong Wang, Yanhua Li, Xiaojuan Zou, Zhenyu Jiang
12110	A case report of Granulomatous polyangiitis	Nan Li, Mo Sun, Yanhua Li, Xiaojuan Zou , Zhenyu Jiang
12120	Yiqi Jianpi Huaji Formula (YJHF) induced apoptosis of gastric cancer BGC-823 cells via NF- κ B signaling pathway	Hu Yi 1, Yan Zhanpeng, Zhu Fangshi
12127	Blood pressure prediction with multi-cue based RBF and LSTM model	Jing Liu, Yingfei Wu, Zhenming Yuan, Xiaoyan Sun
12131	Research on Anatomy and Molecular Biology of <i>Choiromyces helanshanensis</i> in Inner Mongolia	ZHAO Yanling, FAN Yongjun, WANG Haifeng
12135	Modeling of a new sensorless suction detection system for the rotary left ventricular assist device	Jing Peng, Anhua Lu, Yu Wang*
12136	Influence of Five-element Music Therapy on Expression of CaMK II in Hippocampi in Rats with Post-stroke Depression	Facai Lin, Feng Hao, Yong Bian, Yunchuan Wu
12138	Constrained partial fuzzy clustering for brain magnetic resonance image segmentation	Jiaxin Cai, Xuan Qiu
12153	Approaches to Improve Teaching Quality of Histology and Embryology by Various Ways	Hui Li, Guoying Wang, Dongdong Wu, Yanzhong Hu, Yanqiu Hu,
12156	A feature-enhanced entity recognition method for Chinese electronic medical records	Zhang Beibei, Lu MingMing, Fang Yu
12160	Exploration of research-oriented Microbiology teaching model: Taking mycobacteriophage isolation as Example	Tieshan Teng;Xianghui Li; Huiling Bai;Yanzhang Li;Xinying Ji; Guoying Wang
12169	Cross-sectional survey on sub-health status of college students in a medical school of Shaanxi Province in 2016	Jiao Tan, Yong-hong Ma, Ming-juan Shi, Men Ke, Jing Lei, Rong-qiang Zhang
12178	Gene analysis of renal tumor based on differential network	Yanping Chen, Chao Wei, Aisheng Xu, Haotian Yu, Guannan Chen*
12195	Evaluating the absorption ratio of iBEAM® evo couchtop EP and effect on build-up region doses in VMAT by CERR	R.H. Zhang, J. Fleckenstein, Y.L. Gao, W.W. Bai*, M.C. Miao, S.G. Wang, Z.H. Jing, J.J Guo, X.Z. Zhao, Q.Y. Zhang, Y.M. Feng and Z.F. Chi*
12198	A segmentation framework for MR images combining with tissue characteristics	Bing Yang, Xiaofang Liu, Wenlong Xu
12202	A Ten-Long Non-coding RNA Model Improves Prognosis Prediction of Hepatocellular Carcinoma Patients	Xiaonan Fang, Naiwen Liu, Yanling Du, Feng Yuan, Yongqin Li
12204	The Application of TCM Five-pattern Personality and Constitution Identification System in Population Health Management of Elderly people in Community	WU Hanbin, GAO Hong

12206	Fibrosis and Inflammatory Activity Analysis of Chronic Hepatitis C Based on Extreme Learning Machine	Jiixin Cai, Tingting Chen, Xuan Qiu
12207	Automatic Bone Age Assessment Combined with Transfer Learning and Support Vector Regression	Fan Gou, JungangHan, YangJia, ChenZhao
12208	Influence of occupational commitment on the occupational stability of traditional Chinese medicine doctors in Xianyang	ZHANG Zhigang, ZHANG Rongqiang, ZHANG Ying, HAN Yuanping, ZHAO Dan, WANG Xiaoli, QU Xu, LIAN Liyang
12216	Will TV White Spaces Increase Telehealth Capability?	R.W.Jones, K. Katzis
12217	Diabetes and Telehealth in China: Diagnosis, Treatment, Education and Intervention	R.W.Jones
12220	Development of an Undergraduate Control Engineering Design Project: PID Control of Blood Glucose Levels in Type 1 Diabetes Mellitus Subjects	R.W.Jones, M.T.Tham, A.J.Barnes
12223	Central Lymph Node Metastasis as a Predictor for Lateral Lymph Node Metastasis in Clinically Node-Negative T3 and T4 Papillary Thyroid Carcinoma	Zhe Han, Shuai Xue, Peisong Wang, Li Zhang
12227	Clinical observation of traditional Chinese Baduanjin Qigong (Eight trigrams boxing) in the treatment of patients with type 2 diabetes mellitus	Yunchuan Wu, Feng Hao, Han Yang, Peng Li, Zhaohui Fang, Facai Lin
12228	Design and Implementation of Personal Health Record Systems based on Knowledge Graph	Wang Huaqiong, Miao Xiaoyu, Yang pan
12230	Intensity Modulated Arc Therapy (IMAT) vs. IMRT in glottic cancer: a treatment planning comparison on conventional linac	W.W. Bai ¹ , †Z.F. Chi ¹ , Y.L. Gao*, Z.H. Jing ¹ , M.C. Miao ¹ , S.G. Wang and R.H. Zhang*
12231	Design and Implementation of Family Doctor App on Android Platform	Liu Weilong, Liu Yuhang, Pei Lingling, Cao Na
12254	Clinical efficacy of Xi Sanzang Decoction assisted knee arthroscopic treatment for Knee Osteoarthritis due to deficiency of liver and kidney and its influence on serum cytokines	Zhen-long Xing, Qing-zhong Qiu, Jian Li, Shuan Wu, Zhi-hua Li
12257	MobMivs: Implementing an Efficient Medical Image Visualization System for Mobile Telemedicine	Lijun Liu, Lizhen Wang, Qingsong Huang, Lihua Zhou
12261	Deep Attention Network for Melanoma Detection Improved by Color Constancy	Ze Ma, Shiqun Yin
12273	The impact of occupational burnout on the turnover intention of traditional Chinese medicine doctors in Xianyang	WANG Xiaoli, LIAN Liyang, QU Xu, ZHANG Zhigang, ZHANG Rongqiang, ZHANG Bei, HAN Yuanping, ZHAO Dan
12279	Bioinformatic analysis of MERS-CoV S protein	Yan-Hua Li, Hainv Gao, Yunfeng Xiao, Tianhao Weng, Dongshan Yu, Chenyu Hu, Hang-Ping Yao, Lan-Juan Li

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Poster Session B

12001	Research on Data Integration Based on Kettle	Xie Suping;Cai Wuyue;Chen Huaichu;Wang Zhen
12002	Evidence Fusion Algorithm Based on Correction conflict	Meng Yuan-yuan, Xu Lian-Cheng, Yi Jing, Wang Yan-fei
12004	Predictive Analysis of E-commerce Enterprises Soft Operating Costs Based on Exponential Smoothing Technique	Jin Lian, Li Li
12008	An application of big data learning analysis based on MOOC platform	NING XU, BENFANG RUAN
12016	Denial of Service Attack on IoT System	Qifeng Chen, Haoming Chen, Yanpu Cai, Yanqi Zhang, Xin Huang
12017	Model Checking of Systems with Unreliable Machines Using PRISM	Xinze Huang, Zhenyuan Ding, Zijian Bi, Yili Wang, Xin Huang, Kai Zheng
12018	ARP Poisoning Prevention in Internet of Things	Weihua Gao, Yuhao Sun, Qingying Fu, Zhouzhe Wu, Xiao Ma, Kai Zheng, Xin Huang
12020	The Intelligent Use of Screen Language in New Media Short Documentary	Shi Jinmei, Fu Xicheng, Cai Jiajing
12027	RSA-Based handshake protocol in Internet of Things	Junye Mao, Huiying Zhu, Yulan Liu, Yuanjing Liu, Weihao Qian, Jie Zhang, Xin Huang
12030	The influence of Dunqiang Qigong on hearing and blood sugar lever of patients with diabetes deafness	Ruiyu Li, Yue Li
12033	Optimization of Ultrasonic-assisted Extraction of Polysaccharides from Trichosanthin and Antioxidant Activities in Vitro	Dong-lai MA, Hui-ru Du, Zi-shuai Wen, Liang Wang, Jing Li and Yu-guang ZHENG
12036	Combine Trust and Interest Similarity for Enhanced-quality Recommendations	Yu peng
12047	Research on the Method of Using the PRISM Model to Improve the Estimated Time of the Project	Jing Zhang , Chengyue Li; Lu Liu; Yifan Hu; Yihao Gao; Kai Zheng; Xing Huang
12051	Single Image Super-Resolution Using Deep CNN with Dense Skip Connections and Inception-ResNet	Chao Chen, Feng Qi
12053	Model Checking Indoor Positioning System With Triangulation Positioning Technology	Dengpan.Yuan, Maizhen.Ning, Runguo.Xu, Shuming.Zhou, Wentao.Shi, Kai.Zheng, Xin.Huang
12058	Model Checking The Robot Control System for Live Maintenance of Substation Equipment	Hongyi Wu, Zhuo Wang, Xiaoyu Qin, Kaihan Shen, Haolin Yang, Kai Zheng, Xin Huang
12061	Model Checking the Reliability of Data Center Network	Congwei Ni, Sihan Cheng, Xutao Wang, Tianyun Hu, Zhenjin Dai, Dongliang Zhang, Lingxiao Li, Xin Huang
12064	Exercise and Dietary Intervention in the Management of	Yongliang Zhang, Qiao Guo, Xiangyang Gao,

	Overweight and Obese People	Jian Yang, Jun Ye, Weimin Wang, Yining Sun, Qiang Zeng
12071	Research on an acceleration factor estimation method for accelerated life testing of high precision quartz flexible accelerometer	Guangze Pan, Qin Luo, Yuanhang Wang, Xiaobing Li, Chuangmian Huang
12075	Research on Online Quiz Scheme Based on Double-layer Consortium Blockchain	Haojian Shen; Youan Xiao
12077	Preliminary study of RT-LAMP method for detection of Ibaraki virus	Zhang Yumin, Yang Shasha, Li Danyang, Feng Peiran, Zhou Lijun, Yang Zexiao
12082	Random Node Recommend Algorithm for Influence Maximization in Social Network	Huie Zou, Mingchun Zheng
12093	Periodic solutions of second order singular damped differential equations	Lei Mao, Bingyu Kou, Yan Zhang, Xinghu Teng
12102	Model Checking nRF24L01-based Internet of Things Systems	Jiamin Wang, Milin Wang, Kai Zheng, Xin Huang
12106	Model Checking an Artificial Neural Networks System in Medical Diagnosis	Shanghai Yin, Renzhi Xing, Xiangqi Liu, Yinhui Yi, Kai Zheng, Xin Huang
12122	An ensemble Method for Urban Travel Time Prediction	Yi Xianfeng, Yuan Hua
12126	Model Checking Denial-of-Service Attack against IEEE 802.15.6 Protocol	Henan Liu, Yanmei Wang, Kai Zheng, Xin Huang
12137	An Employment Recommendation Algorithm based on Historical Information of College Graduates	Sun Li, Yin Chuancheng, Wang Hongguo, Ding Yanhui
12146	Application of R programming for Bayesian discriminant method in effective teaching	Zhifang He, Yajing Ding
12147	Application of python programming methods in the constructing of effective teaching criteria	Zhifang He, Xunbing Shen
12148	Prediction of Postpartum Hemorrhage by Adaptive K-Nearest Neighbor Based on Influence Factors	Fan Qi, Dahai Tian, Yun Wang, Lu Jiao
12158	Effects of Tongluo Huoxue recipe combined with nicorandil on cardiac function of stable angina pectoris	Zhilei Zhao, Ruiyu Li
12163	Study on Post-earthquake Evacuation Model by Fusing Relationship Grouping and Herd Behavior	Tongshuang Lv, Hongguo Wang, Zengzhen Shao, Yanhui Ding, Weizhi Xu
12164	Research Hotspots Analysis of Hypertension and Inflammation by PubMed	Zhang Haolun, Hou Jinjie
12165	Research hotspots analysis of vectorcardiography by PubMed	Hou Jinjie, Li Xiuxia, Ning Jingjing, Gu Guoxiao, Li Junli, Li Ruiyu, Wang Daowen, Zeng Hesong, Tang Jiarong
12166	Research hotspots analysis of cardiovascular model by PubMed	Hou Jinjie, Wei Shuangping, Bai Zhifeng, Yu Lijing, Zhang Yunpeng, Wang Wenjie, Li Ruiyu
12170	Evaluation of Several Denial of Service Attack Methods for IoT System	Yumeng Cui, Qianli Liu, Kai Zheng, Xin Huang
12179	Study on the treatment of complication of sepsis by	Zhilei Zhao, Kefang dai, Xiaomin Du, Ruiyu

	traditional Chinese and Western Medicine	Li
12182	Study on the treatment of pelvic organ prolapse with combination of traditional Chinese and western medicine	Zhilei Zhao, Chen Xiu, Juan LI, Ruiyu Li
12184	Speed Simulator Design for Braking System Validation of High-Speed EMUs	BO LI
12185	Research on Production Prediction Based on Exponential Smoothing Method	Jin Lian, He Ling
12186	Study on the Internationalization of Standards Bodies: Based on the strategy evolution of BSI	Ziting Song, Xiaobing Wang
12187	information to Intelligence(itoI): A Prototype for Employment Prediction of Graduates based on Multidimensional Data	Sun Li, Yin Chuancheng, Liu Yinggang, Wang Hongguo, Ding Yanhui
12189	The Efficiency Comparison Between DDoS and DoS Attack	Zhaoxi Liu, Linshan Li, Yiyi Ju, Yiting Liu, Yunfan Sun, Kai Zheng, Xin Huang
12192	Research on Toy Product Risk Monitoring Based on Multi-objective Algorithm Method	Shang Zhao-Xia, Liu Hong, Zhang-Rui
12193	Research on Reducing Gasoline Consumption and Pursuing Electric Drive	Xin Wang, Xinshe Qi, Na Wang, Na Qu
12211	Top-k Structure Holes Detection Algorithm in Social Network	Jiang Zhu, Lu Zhu, Chongming Bao, Lihua Zhou, Chongyun Wang, Bing Kong
12213	News Text Classification Based on Improved Bi-LSTM-CNN	Chenbin Li, Guohua Zhan, Zhihua Li
12221	Design of Simulated CCU Used for High-Speed EMU Engineers Training	BO LI
12224	Study of the indoor evacuation based on the grouping social force model	Ping Du, Yan Li, Hong Liu, Xiangwei Zheng
12249	Chinese Text Classification Review	Yajing Ma, Yonghong Li, Xiaolong Wu, Xiang Zhang
12252	Teaching Reform Design Based on MATLAB	Xiumin Wang, Hong Chang, Binggang Xiao, Zhenquan Li
12256	Membrane protein type prediction for high-dimensional imbalanced datasets	Lei Guo, Shunfang Wang*
12281	Research and Practice on the Cultivation of Innovative Talents in Automation Specialty under the Background of Engineering Education	Tian Siqing; Hou Qiang; Wang Yuenan; Du Yunming
12284	Some methods to prove that strictly diagonally dominant matrices are nonsingular matrices	Zhaoying CHEN
12288	Model Checking PBFT Consensus Mechanism in Healthcare Blockchain Network	Kai Zheng, Ying Liu, Chuanyu Dai, Yanli Duan, Xin Huang
12289	Research On Intelligent Decision-making Of New Type Demonstration Based On Air Surveillance Radar	SUN Yong-qin, DAI Jin-jin, DING Guang-wei, ZHOU Tao
12299	Study on the influence of Community opening on Road Traffic	Yanling He

12300	Design and realization of a non-destructive detecting system for oxygen content in glass vials	Gaofeng Zhu, Yun Cheng, Hongqiu Zhu, Yanlei Zhang
12301	Research on UWB Localization Based on TOA in Indoor NLOS Environment	Taoyun Zhou, Yun Cheng, Baowang Lian, Yi Zhang
12302	Feasibility Analysis of Neural Network in Intelligent Recommendation for Preventing and Controlling Rocky Desertification	Junjie Zhang, Jun Tan, Yun Cheng*
12303	Design of Two-Wheel Balance Car Based on STM32	Guoping You, Wanghui Zeng
12310	Finite-Time Recurrent Neural Network Models for Quadratic Program Subject to Time-Varying Linear-Equality Constraints	Kai-hang Lu, Yun-han Wang, Hui-juan Lu, Ying Kong
12316	An Improved Tikhonov Method for Magnetic Induction Tomography	Jingwen Wang, Huijuan Lu, Ke Yan, Minchao Ye
12318	Short-term photovoltaic power forecasting based on Stacking-SVM	Hangxia Zhou, Yujin Zhang, Lingfan Yang, Qian Liu

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Poster Session C

12011	A Study on the Impact of Entrepreneurial Education on Entrepreneurial Intention of College Students	Liu Xiaoyang, Xu Yang, Zhao He
12012	The Relationship among Cognitive Appraisal , Psychological Control , Social Support and Employment Stress in University Students	Zhao He, Sun Yan; Liu Xiaoyang;
12019	Promotion of College Students' Physical Health: A Case Study on Physical Education Intervention	Qilin Hu, Li Chen, Pingyuan Lv, Ming Yang
12021	The Design and Implementation of Blended Collaborative Learning	Tong Hui & Yang Yan-jun
12026	A Research on the Present Situation and Strategies of Pre-service Teachers' TPACK Competence	Shun Xu, Sha Zhu, Mengyao Tang
12037	The Exploration Of Augmented Reality Technology Applied In Colleges' Experimental Teaching	Chen Chen, Yu Tai, Wang Jinxiu
12040	Study on the Strategy of Large-class Teaching for Sensor Courses	Guoping You, Wanghui Zeng
12044	Researches on Modeling Learners' Collaboration Network in Virtual Learning Community	Dan Xia, Huirong Ke, Mingzhang Zuo, Junming Ye, Qiusha Min, Zhifeng Wang
12045	Research on individual visitor modeling based on learning analysis	Dan Xia, Huirong Ke, Rui Zhou, Junming Ye, Shu Chen, Rong Li, Yan Yang
12048	Case-based teaching approach to explore the impact of effective questioning on the teaching of "Toxicology"	ZHANG Zhigang, ZHANG Bei, SHI Chuandao, QI Baoning, ZHOU Jing, ZHANG Rongqiang, LI Juan, HU Yali, SUN Na
12049	Course assessment method based on the directed cycle search algorithm	Lizhi Cui, Li Wang, Hongwei Zhang, Yi Yang, Fuzhong Wang, Shumin Fei, Weina He

12054	Experiment and thinking of mobile platform in teaching of medical university	Xiaohui Qiu, Xiaojian Wang, Lili Zhou
12056	PTA Scoring Analysis Based on Statistical Method in a MOOC	Bin Yang, Guan Wang
12057	The application of Sandwich method in experimental teaching of molecular biology based on qPCR technology	Longxiang Xie, Na Fang, Guoying Wang, Yifang Dang, Yizhong Yan, Weijuan Zhang, Niannian Zhong, Xiangqian Guo
12059	A Novel C++ Teaching Method Based on Game Mode and ACM/ICPC	Yunping Zheng, Mudar Sarem
12063	Application of Workshop Based on Network in Practical Teaching of Rehabilitation Nursing	Huijie Zhao, Changyong Yang
12066	Open Surgical Nursing Experimental Teaching Reform Based On Network	Changyong Yang, Huijie Zhao
12072	Affecting factors of KAP of Blood Donation in College Students from Different Types of Colleges	Jiao Tan, Yong-hong Ma, Ming-juan Shi, Men Ke, Jing Lei, Rong-qiang Zhang
12096	Blended learning of data structure course based on computational thinking	Yanqin Tang, Weiwei Chen, Zhigang Li, Lei Shi, Yongfen Wu
12107	Research and Implementation of Intelligent Test Paper Composition Based on Genetic Algorithm	Yongsheng Zhang, Jie Zhang, Pei Wang, Shaojun Fan
12112	Instructional Design of Practice Course of Logistics System Planning and Design Based on Visio	Ling HE, Jin LIAN
12113	Security and Design Analysis of Certificateless Signature Schemes as Teaching Cases of Cryptography and Security Course Education	Xiaoming Hu, Wenrong Jiang, Chuang Ma, Chengcheng Yu
12117	Electronic Medical Data Analysis Based on Word Vector and Deep Learning Model	Lan-Juan Li, Chao-Qun Niu, Dong-Xu Pu, Xin-Yu Jin
12118	Construction of Interlibrary Loan Information System Based on SaaS Mode	WANG Yi-lin, WANG Jun
12119	Look-Up-Table Decoding and Architecture Optimization for Scale-Min-Sum Polar Decoders	Xiumin Wang
12121	Research on the Utilization and Supply-Demand Relationship of Digital Resources from the Perspective of Discipline	Ding Wen; Shao Bo; Wang Lijuan; Deng Sanhong
12123	The Application of ANSYS in the Teaching of Material Mechanics in Application-Oriented Universities	Jiyan Wang
12125	Design and development of intelligent torsion pendulum method for rotational inertia measurement experiment	Jin-Kang Ma, Yan-Rong Tong
12128	An Approach to Cultivate Graduate's Innovative Ability Based on Creative Practice	Wei Hu, Hong Guo, Fang Liu
12129	Teaching Reform of Embedded System Course Based on Innovation Ability Cultivation	Guo Hong, Hu Wei, Jiang Min, Liu Jing

12130	Innovative Teaching Practice of Integrated Computer Courses with Focus on Students' System Ability	Qingsong Shi, Wei Hu, Wenzhi Chen
12132	Research on Construction of Quality Early-warning System for University Personnel Training	Tian Meng, Gao Shanshan
12142	Application and Evaluation of Diversified Teaching Mode in the Practice Classes of Oral Histopathology	Jie Zhang, Yanjiao Jiang, Jingli Zhu, Jing Wang, Bin Liu, Yunxia Ni
12144	Barcode Music score	LI Zhigang
12149	Research on the Application of Information Technology in Social Problems in Education	Yan Yang, Zhifang He
12155	Association Analysis of University Course Information Based on Knowledge Map	Yihua Wang, Liwei Wu, Xiaoning Yuan, Baozhong Gao
12172	Design and Implementation of College Online Learning System Based on WeChat Mini Program	Xiaolong Wu, Yongsheng Zhang, Jie Zhang, Ranran Cui
12174	Exploration on the Development of Discipline Construction in Local University Libraries :Taking Shandong Technology and Business University as an Example	Dong Ning
12177	Design of Exploratory Experiment Based on Constructivism—— A Case of Exploratory Experiment of ARP Table Refresh Mechanism	Hua Yuan, Zhuojia Xu, Zehao Chen
12190	Influencing Factors and Coping Strategies of Students' Engagement in the Context of Internet Education	Chang Junming
12196	Teaching Content, Case Design and Evaluation System of Mobile Device Programming Course	Ma Yanbo, Jiang Mei, Yang Xiao, Liu Weilong
12209	The online medical physics curriculum-group-construction under the background of Modernization of Traditional Chinese Medicine and Emerging Engineering Education	Yanling Du, Xingyong Si, Xiaonan Fang, Zhiqing Ma
12212	Step-Ring Teaching Mode By Integration Of Online Course And Traditional Campus Course	Chen Han, Wang Zhen, Chen Weiwei, Xie Jun, Chang Qing
12214	The investigation study on the stress coping styles of teachers in NanChang kindergarten	Yuan Yuan, Chen Shuiping
12215	The personalized recommendation algorithms in educational application	Daibin Wei, Xiaomei Yu, Qian Chu and Hong Wang
12225	Ontology-based personalized learning path recommendation for course learning	Boya Cheng, Yuan Zhang, Dongxin Shi
12233	Research on Factors Influencing University Students' Entrepreneurial Intention and Model of Entrepreneurship Education	Jing YANG, Xiang JIN, Lijun ZHOU
12237	Empirical Study of Project Teaching Based on Combining Learning with Working	Ma Bin, Zhai Liping, Liu Yaohe

12240	Teaching Research on Undergraduate Computer Graphics Course Based on "Professional Skill Driven"	Gao Shanshan, Liu Zheng
12241	Study on the Iterative Teaching Method in Database Curriculum	Hao Jiandong, Song Jinyu, Zhang Suojuan
12242	Research on the Innovation of the Teaching Mode of Ideological and Political Theory Course Based on the Big Data Teaching Assisted Platform	Weiyuan Huang; Hao Wei
12259	Topology Analysis of Learning Cognitive Flow for Human-Computer Interaction	Guimin Shi, Sheng Yang, Changyong Liu, Zhiming Luo, Shimin Meng, Shaozi Li
12260	Research on The Undergraduate Cultivation Program of Applied Independent College - Take Yanshan College of Shandong University of Finance and Economics as an Example	Li Xuefeng
12262	Building discipline knowledge repository based on Wiki Technology	CHEN Ping, SONG Jinyu, ZHAO Min, SONG Lei
12264	The Practice of the Flipped Classroom Mode in the Information System Security Curriculum	Zhao Min, Chen Ping, Wang Jin-shuang, Yang Lan-juan
12269	Chances and Challenges: What E-learning Brings to Traditional Teaching	GAO Hong, WU Hanbin, WU Xiao
12275	Discovery of Association Rule of Learning Action Based on Bayesian Network	Huajie Shen, Teng Liu, Yueqin Zhang, Jian Chen
12276	E-Learning Pedagogical Strategies in traditional medical teaching	Limei Liu, Liyuan Sun, Xiaoli Zhu, Lina Guo, Chunhe Li, Wei Xia
12278	Design and implementation of teaching assistant software for relation normalization theory	SONG Jinyu, CHEN Ping, WANG Bin
12282	Hierarchical Clustering for Micro-learning Units Based on Discovering Cluster Center by LDA	Li Ding, Yueqin Zhang, Jian Chen
12285	Reform research and practice of evaluation model based on network environment background of credit system---linear algebra and space analytic geometry curriculum examination reform	Sumei ZHANG, Zhaoying CHEN*
12287	A Mathematical Model of Flat Folding Table	liu yan
12305	Construction of Blended Teaching Based on Network e-Learning Space	Lijuan Ye, Jiaming Zhong

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