

2022 3rd International Conference on Education, Knowledge and Information Management (ICEKIM 2022)

**Harbin, China
21-23 January 2022**

Pages 1-579



**IEEE Catalog Number: CFP22AD5-POD
ISBN: 978-1-6654-1667-2**

**Copyright © 2022 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

| | |
|-------------------------|-------------------|
| IEEE Catalog Number: | CFP22AD5-POD |
| ISBN (Print-On-Demand): | 978-1-6654-1667-2 |
| ISBN (Online): | 978-1-6654-1666-5 |

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

2022 3rd International Conference on Education, Knowledge and Information Management (ICEKIM) **ICEKIM 2022**

Table of Contents

| | |
|------------------|--------|
| Preface | xxviii |
| Committees | xxix |
| Reviewers | xxx |

Educational Information Technology and Multimedia Teaching

| | |
|---|----|
| Research on System Construction and its key Technology of Innovation and Entrepreneurship Education Open Sharing Resource and Cooperative Education Based on the Cloud Services | 1 |
| <i>Xiaoshu Luo (Jiangxi Institute of Clothing University, China) and Zhaoxing Xu (Jiangxi Institute of Clothing University, China)</i> | |
| Research on College English Education Technology and Teaching Mode in the New Era | 6 |
| <i>Huibin Huang (Guilin University, China) and Ling He (Guilin University, China)</i> | |
| Construction of Multi-Dimensional Dynamic Evaluation System for College English MOOC Autonomous Learning Based on Data Analysis Technology | 10 |
| <i>Lijie Jiang (Hulunbuir University, China)</i> | |
| The Application of Information Technology in Multicultural Education of Business English Professionals | 15 |
| <i>Xiaoling Cao (Eastern Liaoning University, China)</i> | |
| SWOT Analysis and Countermeasures of Virtual Reality Technology in Ideological and Political Course Teaching in Higher Vocational College | 19 |
| <i>Chuan Tian (Jiangxi Tourism&Commerce Vocational College, China), Xiang Gao (Jiangxi Tourism&Commerce Vocational College, China), and Jie Hu (Jiangxi Tourism&Commerce Vocational College, China)</i> | |
| Application and Research of Flipped Classroom Based on Micro Lesson in Vocational English Teaching | 23 |
| <i>Mei Zhao (Shandong Institute of Commerce and Technology, China)</i> | |
| Research on the Teaching of International Business Negotiation Course Based on Smart Classroom Platform | 29 |
| <i>Tao Wan (Wuhan Business University, China) and Yan Cheng (Wuhan Business University, China)</i> | |

| | |
|---|----|
| Exploration and Practice on the Reform of Online-Online-Offline Hybrid Teaching Mode Under the Background of Informationization | 33 |
| <i>Jingjing Wang (Air-defense Early Warning Equipment Department, China), Wei Lu (Air-defense Early Warning Equipment Department, China), Wei Zhang (Air-defense Early Warning Equipment Department, China), and Chenggang Gu (Air-defense Early Warning Equipment Department, China)</i> | |
| Research on Group Interaction in College English Teaching Based on Educational Informatization | 37 |
| <i>Xiuli Qu (Bohai University, China)</i> | |
| Research on the Path of Talent Cultivation in Private Colleges and Universities Under the Background of Information Technology -- from the Perspective of the Knowledge Chain | 41 |
| <i>Ying Wang (Tianjin Renai College, China)</i> | |
| Research on Application of Information Technology and Physical Education in Colleges and Universities | 45 |
| <i>Xu Liu (Taiyuan University of Technology, China) and Jie Gao (Beijing Sport University, China)</i> | |
| Application of OpenIPMP and Network Teaching Resources in Graduate Student Training | 50 |
| <i>Liuping Feng (Beijing Institute of Graphic Communication, China), Tong Li (Beijing Institute of Graphic Communication, China), Lifang Yu (Beijing Institute of Graphic Communication, China), and Zhihong Dong (Beijing Institute of Graphic Communication, China)</i> | |
| Research on Reading Proficiency Training Informatization Based on NeuMOOC Blended Teaching Platform | 54 |
| <i>Shanshan Wang (Dalian Neusoft University of Information, China)</i> | |
| Construction and Application of Blended "Golden Course" of College English with OBE and POA Based on MOOC and Teachermate Platform | 59 |
| <i>Dan Ma (Guangdong University of Foreign Studies, China)</i> | |
| Multiple Dynamic Evaluation and Information Management of Research Talents | 66 |
| <i>Dongsheng Li (Xi'an Research Institute Co., LTD., China Coal Technology & Engineering Group, China) and Yaping Ren (Xi'an Research Institute Co., LTD., China Coal Technology & Engineering Group, China)</i> | |
| A Practical Study on the Integration of College Students' Professional Ethics Education into College English Teaching Based on Data Analysis | 71 |
| <i>Yamei Zhang (Shandong Institute of Commerce and Technology, China)</i> | |
| Construction of Family-School-Unity Mental Health Education Model for Students in Higher Vocational Colleges Under the Background of "Internet +" | 75 |
| <i>Shuling Han (Weifang Vocational College, China), Aiying Zhang (Weifang Vocational College, China), Yonghui Xie (Weifang Vocational College, China), and Yang Liu (Weifang Vocational College, China)</i> | |
| Design and Practice of Ideological and Political Dynamic Systematization of College English Course Based on Web Technology | 79 |
| <i>Hairong Zheng (Hulunbuir University)</i> | |
| Exploration and Practice of Hybrid Teaching Reform Based on " Principles of Operating System " of Excellent Offline Open Courses | 84 |
| <i>Chengqiong Ye (Anhui Xinhua University, China), Rui Zhang (Anhui Xinhua University, China), Shuping Yuan (Anhui Xinhua University, China), and Yang Chen (Anhui Xinhua University, China)</i> | |

| | |
|---|-----|
| Research on the Construction of Smart Classroom Serving OMO Teaching Reform | 88 |
| <i>Zhidong Liu (Urban Vocational College of Sichuan)</i> | |
| A Preliminary Study on the Evaluation of University Teachers' Online Teaching Ability | 92 |
| <i>Demei Sun (Harbin Engineering University, China), Yan Ni (Harbin Engineering University, China), and Si Wang (Harbin Engineering University, China)</i> | |
| Analysis on the Synergistic Effect of Cultural Courses in Talent Cultivation in Applied Engineering Colleges: Taking Mining Engineering Major in Xinjiang Institute of Engineering as an Example | 96 |
| <i>You Zou (Xinjiang Institute of Engineering, China)</i> | |
| Improve the Teaching Effect of Plane Geometry in Primary School by Hawgent Dynamic Information Technology -- Take the Derivation of "Area of The Circle" Formula as an Example | 101 |
| <i>Xinxin Li (Guangxi Normal University, China), Ying Zhou (Guangxi Normal University, China), Ying Zhou (Guangxi Yulin University of Finance and Economics, China), and Zhiren Shen (Nanning college of Technology, China)</i> | |
| Construction of Online Teaching Platform for College English Course Under the Mixed Teaching Mode | 105 |
| <i>Hairong Zheng (Hulunbuir University, China)</i> | |
| Establishment and Application of Hybrid BOPPPS Teaching Model Based on Internet Plus | 111 |
| <i>Li-hua Qi (National University of Defense Technology, China), Dong-qiu Xing (National University of Defense Technology, China), Sha-sha Xu (National University of Defense Technology, China), and Li Wen (National University of Defense Technology, China)</i> | |
| A Stratified Sampling Method for Teaching Evaluation of Curriculum Ideological and Political for Higher Education | 115 |
| <i>Bing Liu (Huainan Normal University, China) and HuanHuan Cheng (Huainan Normal University, China)</i> | |
| Research on The Evaluation of Students' Online Learning: A Case of College Students in H Province Based On SPSS 26.0 | 120 |
| <i>Chao Yang (Harbin Normal University, China), Yutong Zhang (Harbin Normal University, China), and Fang Sun (Harbin Normal University, China)</i> | |
| Research on the Informatization Construction of University Student Management from the Perspective of "Three-Aspects Education" | 124 |
| <i>Gang Zhang (Dalian Jiaotong University, China)</i> | |
| Design of Integrated Teaching Mode of "smart Classroom + Social Practice"based on Modern Educational Information Technology-Taking the Course of Food Nutrition and Safety as an Example | 134 |
| <i>Yang Liu (Changshu Institute of Technology, China), Lin Gao (Changshu Institute of Technology, China), Mengling Chen (Changshu Institute of Technology, China), and Hong Ji (Changshu Institute of Technology, China)</i> | |
| Exploring the Application of Interactive Video for Higher Education in the Post-Epidemic era | 138 |
| <i>QiFeng Zhou (Jimei University, China), XiaoFeng Wu (Jimei University, China), and ChuanMing Cai (Jimei University, China)</i> | |

| | |
|--|-----|
| Exploration on Practical Teaching Reform of Power Electronic Technology Courses Based on Hierarchical Modularization Technology | 142 |
| <i>Feng Liu (NingboTech University, China)</i> | |
| Research on the Application of Paperless Computerized College English Test Based on iTEST Platform | 146 |
| <i>Qimeng Shi (Dalian Neusoft University of Information, China)</i> | |
| Application and Practice of Information Software Technology in Curriculum Teaching Reform | 150 |
| <i>Ying Wang (Anhui Xinhua University, China), Futing Pan (Anhui Xinhua University, China), Ning Wang (Anhui Xinhua University, China), and Tingting Li (Anhui Xinhua University, China)</i> | |
| Research on the Realization of Random Control Trial in the Nostalgia Design of Teaching Scene Simulation | 154 |
| <i>Qing Li (Wenhua College, China), Zhun Cao (Huazhong Normal University, China), and Chunying Cui (Wenhua College, China)</i> | |
| Analysis on the Application of New Media Technology in the Teaching of Piano Course in Higher Vocational Education | 158 |
| <i>Xiaonan Wang (Qingdao Technical College, China)</i> | |
| Research on the Impact of MALL on Oral English Blended Learning Under the Background of “Internet Plus Education”: Taking “FiF Oral English Training System” of iFLYTEK as an Example | 163 |
| <i>Xiaoxuan Du (Dalian Neusoft University of Information, China)</i> | |
| Application of Online Education Platform Technology in Hybrid Teaching of Basic Computer Courses in Medical Colleges and Universities | 167 |
| <i>Shuyu Hu (Jinzhou Medical University, China) and Xiaofei Wang (Jinzhou Medical University, China)</i> | |
| Exploration On the Teaching Practice of Architectural Design Fundamentals Course Under the Guidance of Educational Informatization | 172 |
| <i>Yiqing Luo (Normal University of Civil Engineering And Architecture, China), Wenyan Zhang (Normal University of Civil Engineering And Architecture, China), and Zhijian Li (Nanchang Universtiy, China)</i> | |
| Effect Perception of Online and Offline Mixed Teaching Among College Students During the Epidemic: A Study from the Perspective of Social Distancing | 176 |
| <i>HaoHua Xia (Wuhan University of Technology, China)</i> | |
| Practical Research on Blended Teaching in Higher Vocational Institutes Based on ICVE Platform : Take Artificial Intelligence Data Processing Course as an Example | 182 |
| <i>Jing Wang (Guangdong Polytechnic Institute, China)</i> | |

Artificial Intelligence and Human-Computer Interaction Software Design

| | |
|---|-----|
| A Cross-Lagged Panel Model on Smartphone Addiction of Middle School Students Based on Mplus8.0 Software | 186 |
| <i>Yang Yang (Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China) and WenBin Gao (Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China)</i> | |

| | |
|---|-----|
| Exploring the Influence of the 14th National Games on National Fitness — Taking Badminton Players as an Example Based on SPSS 25.0 | 191 |
| <i>Xianlong Cao (Xi'an Polytechnic University, China)</i> | |
| Constructing the College English Ecological Teaching Model Based on Chaoxing Platform in the Age of Artificial Intelligence (AI) | 195 |
| <i>Ruiying Wang (South China Business College (SCBC) Guangdong University of Foreign Studies, China) and Xiqun Zhang (South China Business College (SCBC) Guangdong University of Foreign Studies, China)</i> | |
| Empirical Study on the Impact of Artificial Intelligence on Migrant Workers' Employment | 199 |
| <i>Anzhe Chen (Guangzhou Foreign Language School)</i> | |
| Research on the Design and Application of Educational Perception Network Based on Artificial Intelligence | 203 |
| <i>Yang Meng (Changchun Humanities and Sciences College, China)</i> | |
| Integrating Technology into Task-Based Language Teaching with Bibliometric Analysis | 207 |
| <i>Hongxiu Liu (Wuhan Polytechnic University)</i> | |
| Research on Network Public Opinion Communication Model of Enterprise Crisis Events Considering user Viewpoint Interaction | 211 |
| <i>Jianhong Jiang (Guilin University of Electroni Technology) and Jingfeng Su (Guilin University of Electroni Technology)</i> | |
| Some Thoughts on Comprehensive Quality Evaluation -- Based on Cite Space Knowledge Graph Analysis | 215 |
| <i>Meng Fang (Dalian Polytechnic University, China) and Liqun Gu (Dalian Polytechnic University, China)</i> | |
| Research on the Construction Path of XXX University Teaching Staff Based on SPSS 22.0 Statistical Software | 220 |
| <i>Junli Liu (Air Force Aviation University, China), Zhongying Chen (Air Force Aviation University, China), Junjie Zhou (Unit 95926 of PLA, China), and Chuansheng Hu (Air Force Aviation University, China)</i> | |
| Student Innovation Development Based on Cultural Intelligence in the Context of Cultural Diversity: A Case Study of Apparel Fashion Design | 224 |
| <i>Wei Yin (Faculty of Clothing and Design, Minjiang University, P.R. China)</i> | |
| Application of VR Technology in Virtual Simulation Experiment Teaching | 231 |
| <i>Chenlu Yang (China Agricultural University, China)</i> | |
| Development of Artificial Intelligence System for Ideological and Political Education in Colleges and Universities | 235 |
| <i>Min Kuang (Jiangxi Tourism&Commerce Vocational College, China), Juan Cai (Jiangxi Tourism&Commerce Vocational College, China), and Jing Li (Jiangxi Tourism&Commerce Vocational College, China)</i> | |
| The Model Architecture of AI Technology in Higher Vocational English Classroom Teaching | 239 |
| <i>Xuan Liu (Jiangxi Tourism&Commerce Vocational College, China), Yun Gong (Jiangxi Tourism&Commerce Vocational College, China), and Liang Liu (Jiangxi Tourism&Commerce Vocational College, China)</i> | |
| Practical Application of Artificial Intelligence and Big Data in the Field of Human Resource Management | 243 |
| <i>Quan Xue (Tianjin Vocational Institute, China)</i> | |

| | |
|--|-----|
| Exploring the Design and Effect of POA Teaching Based on SPSS 23.0 Analysis: Taking Japanese Reading and Writing Courses as an Example | 248 |
| <i>Wei Gao (Minjiang University, China)</i> | |
| Construction and Application of BIM Structural Design Course Project Library Based on GSRevit Software | 252 |
| <i>Li Chen (Hubei Business College, China), Yafen Song (Hubei Business College, China), Yue Zhang (Hubei Business College, China), and Guihong Pei (Hubei Business College, China)</i> | |
| From CALL to MALL: Research on the Construction of Foreign Language Teaching Based on Internet and 5G | 256 |
| <i>Si Li (Dalian Neusoft University of Information, China)</i> | |
| Analyses of Survey Data on Current Textbooks About Relationship Between Grades and Attitude of Respondents Through Statistical Software SPSS 23 | 260 |
| <i>Xiaohui Sui (Jinan Engineering Polytechnic, China)</i> | |
| Based on Spss22.0 Statistical Software to Multiple Intelligences Experiment in Physical Education | 264 |
| <i>Kun Zhang (Nanjing vocational college of science and technology, China)</i> | |
| Research on Academic Early Warning and Assistance Under Artificial Intelligence Vision: Current Situation, Trend and Application | 268 |
| <i>Yuanyuan Xu (Dept.Ningbo University of Finance & Economics, China)</i> | |
| Research on the Development of Artificial Intelligence Based on CiteSpace and SPSS Technology | 274 |
| <i>XiaoNing Yang (Dalian University, China), XiaoNing Yang (Dalian University, China), and Min Zhang (Dalian University, China)</i> | |
| Research on the Path of Artificial Intelligence Technology to Improve Students' Learning Effect | 279 |
| <i>Yaorong Wang (Tianjin University, China)</i> | |
| Design of Employee Holiday Management System Platform Based on the Population flow of Mining Enterprises During the Spring Festival Epidemic Prevention Period | 283 |
| <i>Suzi Tu (Wuhan University of Technology, China) and Xiaoyi Lu (Wuhan University of Technology, China)</i> | |
| Teaching Practice and Evaluation of Healing Garden Design Based on Virtual Simulation Platform | 287 |
| <i>Xiao-Cong Hu (Xiamen University of Technology, China)</i> | |
| Application of Computer Computer Music Software Platform in Music Teaching in Colleges and Universities | 291 |
| <i>Yingying Xiang (Yichun Vocational Technical College, China)</i> | |
| Construction of Online Teaching Platform for Ideological and Political Content of Investigation Course Under the Mixed Teaching Mode — Based on Web Technology | 295 |
| <i>Hongyan Cen (Sichuan Judicial and Police Officers Professional College, China)</i> | |
| Construction of Online Learning Platform for Ideological and Political Education in Colleges and Universities Under Mixed Teaching Mode | 300 |
| <i>Fengqin Liu (Hulunbuir University, China)</i> | |

| | |
|--|-----|
| Analysis on the Application of Intelligent Robots Based on Prolog Language in Primary and Secondary Education in the era of Digital Intelligence | 305 |
| <i>Fei Yang (Jiangxi University of Traditional Chinese Medicine, China), Jiashun Xie (Jiangxi University of Traditional Chinese Medicine, China), and Zhi Bing Zhong (Jiangxi University of Traditional Chinese Medicine, China)</i> | |
| Design of Domain-Driven Microservices-Based Software Talent Evaluation and Recommendation System | 310 |
| <i>Kun Zhang (Huangshan University, China), Ji Tian (Huangshan University, China), Qin Yuan (Huangshan University, China), and Jing Han (Huangshan University, China)</i> | |
| The Impact of Economic Development on Higher Education: An Empirical Study of the Mediating Effect Model of Education Investment by Stata Software Analysis | 315 |
| <i>Xiang Li (Hubei Business College, China), Yuan Gao (Keio University, Japan), and Wenyi Chen (Hubei Business College, China)</i> | |
| Analysis of the Status Quo of Popular Science Animation Education Based on Python | 319 |
| <i>Kun Liu (Changchun University of Technology, China) and Hao Lu (Changchun University of Technology, China)</i> | |
| Research on Parental Coping with Children's Negative Emotions, Children's Temperament and Emotion Regulation Ability Based on SPSS25.0 and GraphPad Prism9 Software | 323 |
| <i>Fan Yang (Institute of Psychology, China; University of Chinese Academy of Sciences, China), YongQin Huang (Dinghu District Peiying Kindergarten, China), YanJun Shi (The third Kindergarten in Baotou Rare-Earth Hi-tech Zone, China), Ya Wang (Shan County Maternal and Child Health Hospital, China), and Huijie Li (Institute of Psychology, China; University of Chinese Academy of Sciences, China)</i> | |
| Roman Research Progress and Prospects of "Artificial Intelligence + Education" Area Based on CITESPACE Knowledge Spectrum | 331 |
| <i>Zhonglei Dong (Dalian Maritime University, China)</i> | |
| Construction Method and Teaching Satisfaction of Virtual Simulation Experiment | 335 |
| <i>Jian Xiao (Dalian Polytechnic University, China) and Feiyi Zhao (Dalian Polytechnic University, China)</i> | |
| Design and Applications of Matrix Computation Based on Online and Offline Integration Combined with Engineering Problems | 339 |
| <i>Le Han (South China University of Technology, China)</i> | |
| Research on Multidimensional Classroom Teaching Mode in Internet Plus Era | 343 |
| <i>Jianing Wang (Harbin Huade University School, Heilongjiang), Dan Gong (Harbin Huade University School, Heilongjiang), Lurong Sun (Harbin Huade University School, Heilongjiang), and Nannan Jiang (Harbin Huade University School, Heilongjiang)</i> | |
| Optimize Matching for Project Team Members in Practice Course Based on Extenics | 347 |
| <i>Ruoyan Wei (Hebei University of Economics and Business, China), Xiaojuan Li (Hebei University of Economics and Business, China), Weijie Wang (Hebei University of Economics and Business, China), Ping He (Hebei University of Economics and Business, China), and Yue Wang (Hebei University of Economics and Business, China)</i> | |
| Research on the Teaching and Learning Situation Based on the Application of MOOC Resources... | 351 |
| <i>Xiaozhen Shi (Dept.Ningbo University of Finance & Economics, China)</i> | |

| | |
|---|-----|
| Application of Finite Element Analysis Software ABAQUS in Civil Engineering Course Teaching | 355 |
| <i>Futing Pan (Anhui Xinhua University, China), Ying Wang (Anhui Xinhua University, China), Yuanchao Hu (Anhui Xinhua University, China), and Chunxiao Huang (Anhui Xinhua University, China)</i> | |
| Evaluation and Redesign of Mixed Teaching Behavior Based on Mosoteach | 359 |
| <i>Yao Li (Wuchang University of Technology, China)</i> | |
| Application of Artificial Intelligence Technology in the Cultivation of English Core Literacy | 363 |
| <i>Wen Xiong (Science and Technology College of NCHU, China)</i> | |
| Research on the Influencing Factors and Cultivation Paths of Chinese College Students' Moral Personality Based on SPSS 26.0 Statistical Software | 367 |
| <i>Fei Li (Jiangxi University of Chinese Medicine, China), Jiaqi Zheng (Jiangxi University of Chinese Medicine, China), Jiaqi Zheng (Jiangxi University of Chinese Medicine, China), and Chang Ze Wu (Jiangxi University of Chinese Medicine, China)</i> | |
| Research on the Construction of the Ecological Chain of Intelligent English Teaching Based on Artificial Intelligence | 371 |
| <i>Aihua Liu (Wuhan Donghu University, China), Changzhen Ju (Wuhan Donghu University, China), and Shuying Li (Wuhan Donghu University, China)</i> | |
| Development and Exploration of Serious Games for Anti-Bullying Education: The Experience of Developing the Software of Anti-Bullying Serious Games | 376 |
| <i>Ting Li (Institute of Psychology, Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China) and Hui-Jie Li (Institute of Psychology, Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China)</i> | |
| Visualization Study of Terrorist Activities in North America Based on UCINET | 381 |
| <i>Qiwu Wu (University of CAPF, China), Mingzhu Zheng (University of CAPF, China), and Lingzhi Jiang (University of CAPF, China)</i> | |
| A Method of Extracting Discipline Inspection Cases Based on Deep Learning | 385 |
| <i>XiaoLing Liu (Inner Mongolia Agricultural University, China), JunJie Chen (Inner Mongolia Agricultural University, China), Jing Gao (Inner Mongolia Agricultural University, China), Hao Fan (Inner Mongolia Agricultural University, China), and JianMin Dong (Inner Mongolia Discipline Inspection and Supervision Big Data Laboratory, China)</i> | |
| Research on Hotspots of Mutual Assistance for the Elderly in China- - Based on CiteSpace Software | 392 |
| <i>Meiling Feng (Jiangxi University of Chinese Medicine, China), Suzhen Wang (Jiangxi University of Chinese Medicine, China), Shaofeng Wu (Jiangxi University of Chinese Medicine, China), Jing Li (Jiangxi University of Chinese Medicine, China), and Yao Zhu (Jiangxi University of Chinese Medicine, China)</i> | |

| | |
|---|-----|
| The Water Resources Carrying Capacity of a City was Evaluated Based on YAAHP Software | 399 |
| <i>Kun You (Shenyang Jianzhu University, China), Kai Cao (Shenyang Jianzhu University, China), Wei Li Fan (Shenyang Yongtai Environmental Protection Technology, China), Ning Kang (Shenyang Jianzhu University, China), Zhenpeng Liu (Quality Evaluation and Supervision Department of Shenyang Jianzhu University, China), and Jinxiang Fu (Shenyang Jianzhu University, China)</i> | |
| Approach of "Cloud Class" Management System Design Based on WeChat Applet | 403 |
| <i>Zhihu Mei (Zhejiang Ocean University, China), Zhibo Tang (Zhejiang Ocean University, China), and Qi Chen (Zhejiang Ocean University, China)</i> | |

Computer Modeling Prediction and Teaching Empirical Analysis

| | |
|--|-----|
| Digital Transformation, Commercial Credit Financing Ability and Enterprise Study: An Empirical Study from Chinese Listed Companies Based on Python | 407 |
| <i>Zexin Qi (Wuhan University of Technology, China), Guoyao Xiong (Wuhan University of Technology, China), Peng Li (Wuhan University of Technology, China), and Jiayue Zhang (Wuhan University of Technology, China)</i> | |
| Based on Logistic Regression Model to Explore the Impact of Different Time Pressure on Network Learning Engagement | 411 |
| <i>Xiao Xiao (Xiangnan University, China) and Le Chen (Xiangnan University, China)</i> | |
| Research on the Course Assessment Method by Introducing Mathematical Model of Value-Added Evaluation | 415 |
| <i>Ruiying He (Chongqing City Vocational College, P.R. China) and Qun Luo (Chongqing City Vocational College, P.R. China)</i> | |
| Affective Norms for 1,558 Chinese Words Rated by Children | 419 |
| <i>Ying Li (Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China), Yaojing Xu (Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China), and Pingping Liu (Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China)</i> | |
| Clustering Model of English Semantic Text Features Based on Corpus Retrieval | 423 |
| <i>Nanyan Shen (Guangzhou Huali College, China)</i> | |
| Questionnaire Preparation on College Students' Attitude Towards Psychological Counseling and its Reliability Validity Test | 429 |
| <i>Qiuxin Wang (Jiangxi University of Traditional Chinese Medicine, China), Xiaofang Huang (Jiangxi University of Traditional Chinese Medicine, China), Yuting Yang (Jiangxi University of Traditional Chinese Medicine, China), Yue Pu (Jiangxi University of Traditional Chinese Medicine, China), Xuechi Yin (Jiangxi University of Traditional Chinese Medicine, China), and Ting Wang (Jiangxi University of Traditional Chinese Medicine, China)</i> | |
| The Influence of Having a Second Child on the Willingness of Migrant Workers to Settle in the City — — Empirical Analysis Based on 2016 CLDS Data | 433 |
| <i>Qingyu Li (Beijing Jiaotong University)</i> | |

| | |
|--|-----|
| An Empirical Study on the Professional Development of Middle School English Teachers in Ethnic Minority Areas of Yunnan | 437 |
| <i>Yichuan Yuan (Kunming College of Arts and Sciences, China), Ning Wang (Yunnan Normal University, China), and Yuan Yuan (Yunnan Normal University, China)</i> | |
| An Empirical Study of the Co-Relations Between Dictionary Use and Vocabulary Acquisition | 442 |
| <i>Xiaoxue Yuan (Guangdong Polytechnic, China)</i> | |
| Research on the Impact of the Entrepreneurship and Innovation Demonstration Base on the Technology Innovation Based on the PSM-DID Model | 446 |
| <i>Hailin Yao (Central South University, China) and Wei Huang (Central South University, China)</i> | |
| Design of Foreign Language Teaching Evaluation Model Based on Analytic Hierarchy Process (AHP) | 451 |
| <i>Fang He (Dalian Institute of Science and Technology, China)</i> | |
| Research on Knowledge Query Network Model with Self-Attention Mechanism | 455 |
| <i>Gang Wu (Jiangxi Normal University JXNU, China) and Yan Cheng (Jiangxi Normal University JXNU, China)</i> | |
| Retrospection and Trend Analysis of Comprehensive Quality Evaluation Research Based on Cite Space Visualization Atlas | 459 |
| <i>Meng Fang (Dalian Polytechnic University, China) and Liqun Gu (Dalian Polytechnic University, China)</i> | |
| Visual Analysis of Business Chinese Research Based on CiteSpace | 463 |
| <i>Lanying Guo (China Jiliang University, China) and Lumeng Wang (China Jiliang University, China)</i> | |
| Research on the Cultivation Strategy of Higher Vocational Students' Learning Interest in Automobile Maintenance Specialty Based on the four-Stage Model of Development Interest | 467 |
| <i>Yahui Wu (Radar Nco School of Air Force Early Warning Academy, China), Xin Zhao (Radar Nco School of Air Force Early Warning Academy, China), Jinbo Liu (Radar Nco School of Air Force Early Warning Academy, China), Liangqiang Cao (Radar Nco School of Air Force Early Warning Academy, China), Haishan Chen (Radar Nco School of Air Force Early Warning Academy, China), and Xiaonan Wang (Radar Nco School of Air Force Early Warning Academy, China)</i> | |
| An Empirical Study on the Relationship Between Learning Burnout and English Performance of Non-English Major Students at Independent Colleges in Yunnan, China | 472 |
| <i>Liufang Yuan (The College of Arts and Sciences·Kunming, China), Yanping Shan (The College of Arts and Sciences·Kunming, China), and Juejun Zheng (Dianchi College of Yunnan University, China)</i> | |
| Research on the Structural Relationship Between Parent-Child Relationship and the Usage of Smartphone, Academic Procrastination and Self-Esteem Based on Structural Equation Model Under the Background of Big Data | 476 |
| <i>Yi-qi Wen (Institute of Psychology, China; University of Chinese Academy of Sciences, China), Yi-wen Chen (Institute of Psychology, China; University of Chinese Academy of Sciences, China), and Yu-ting Zhang (Institute of Psychology, China; University of Chinese Academy of Sciences, China)</i> | |

| | |
|---|-----|
| SPSS T-Test Analysis to Explore the Factors Influencing the Development of Teaching Ability and Scientific Research Ability of Foreign Language Teachers in Private Universities of Yunnan | 482 |
| <i>Guodong Deng (The College of Arts and Sciences·Kunming, China), Tao Yang (The College of Arts and Sciences·Kunming, China), Xin Sha (The College of Arts and Sciences·Kunming, China), and Jianghua Wu (The College of Arts and Sciences·Kunming, China)</i> | |
| Design and Research of Introducing Language Information Based on Neural Machine Translation Model | 488 |
| <i>Li Cheng (Jilin International Studies University, China) and Yan Gong (Jilin International Studies University, China)</i> | |
| An Empirical Statistical Research on Digital Reading of College Students Based on Marxism Epistemology | 493 |
| <i>Xiaohan Yu (Jinan University, China)</i> | |
| Structural Model and Empirical Study of Curriculum Identity | 498 |
| <i>Yu Zhao (Dalian University of Technology, China), Yanjun Dai (Dalian University of Technology, China), and Nan Ge (Dalian University of Technology, China)</i> | |
| The Establishment of CW-EME Model for Competency Evaluation of International Accounting Talent | 502 |
| <i>Xiaofeng Li (Sichuan University, China), Jian Pan (Sichuan University, China), Mou Yu (Sichuan University, China), and Qisheng Chen (Sichuan University, China)</i> | |
| Research on the Quantitative Model of Ideological and Political Education Decision-Making Based on Deep Learning | 509 |
| <i>Weida Zha (Applied Technology College of Soochow University)</i> | |
| Research on Local Explanation Method of Text Classification Model | 514 |
| <i>Zhongwen Li (Army Logistics Academy, China)</i> | |
| A Comprehensive Evaluation of Classroom Teaching Quality Based on a Comprehensive-Weighted Cloud Model - From the Perspective of Expert Comments | 518 |
| <i>Yaoyao Song (Naval Aviation University, China), Yiming Zhou (Naval Aviation University, China), Yang Li (Naval Aviation University, China), and Yongjuan Li (Naval Aviation University, China)</i> | |
| Study on the Influencing Factors of Academic Engagement in Blended Learning of College Students Majoring in Tourism Management -- Based on Structural Equation Model | 524 |
| <i>Rong Zhou (Zhejiang Gongshang University) and Shiyun Cheng (Zhejiang Gongshang University)</i> | |
| Visual Analysis of Teacher Education Research Based on CiteSpace | 529 |
| <i>Zhu Xiang (Chongqing Normal University, China), Yan Ma (Chongqing Normal University, China), and AiZhu Wang (Chongqing Normal University, China)</i> | |
| Finite Element Modeling and Simulation of Three-Point Bending Experiment and Teaching Practice in Vocational Colleges | 533 |
| <i>Shang Wang (Beijing Polytechnic, China) and Meiqin Liang (Beijing Polytechnic, China)</i> | |

| | |
|---|-----|
| Research on Evaluation Indexes of College Students' Entrepreneurial Quality in Post Epidemic Era by Grey Fuzzy Comprehensive Evaluation | 539 |
| <i>Fan Chen (Shanghai Urban Construction Vocational College, China) and Wenxia Sun (Shanghai Urban Construction Vocational College, China)</i> | |
| Research on Intelligent Management Strategy of College Counselor team Based on Data Mining Model | 543 |
| <i>Yao Yao (University of Electronic Science and Technology of China, China), Guolong Gan (University of Electronic Science and Technology of China, China), and Qianxi Zhang (University of Electronic Science and Technology of China, China)</i> | |
| Research on Chinese Numerical Words Teaching Based on CiteSpace Scientific Knowledge map Analysis | 547 |
| <i>Ting Hu (Sichuan University, PR China)</i> | |
| Vocational Education Methods Under the Background of Mass Entrepreneurship Based on Experimental Analysis | 551 |
| <i>Cuizhe Kuang (Shenzhen Polytechnic, China), Zhongyuan Zhou (Shenzhen Polytechnic, China), and Weiqiang Chen (Shenzhen Polytechnic, China)</i> | |
| Evaluation Modeling of Grass-Roots Teaching Organizations in Colleges and Universities Based on FCE | 555 |
| <i>Na An (Liaoning Police College, China) and Lei Zhang (Liaoning Police College, China)</i> | |
| Research on Characteristics of Undergraduate Entrepreneurship Team: Analysis Based on SOC Team Model | 559 |
| <i>Ling-li Li (School of Public Affairs and Administration UESTC, P.R. China), Ke-yi Gou (School of Public Affairs and Administration UESTC, P.R. China), and Jia-yang Han (School of Public Affairs and Administration UESTC, P.R. China)</i> | |
| A Method of Cloud Manufacturing Resource Description Based on Knowledge Modeling | 565 |
| <i>Ping Xu (Chongqing University, China), Ding-qi Luo (Chongqing Water Turbine Factory CO., LTD, China), and You-ling Chen (Chongqing University, China)</i> | |
| Finite Element Simulation of Torsion Experiment and Teaching Practice in Higher Vocational Colleges | 571 |
| <i>Shang Wang (Beijing Polytechnic, China), Meiqin Liang (Beijing Polytechnic, China), Jinru Ma (Beijing Polytechnic, China), and Yajuan Zhang (Beijing Polytechnic, China)</i> | |
| Research on Input-Output Performance of Experimental Teaching in University Based on EDA Model | 576 |
| <i>Xiaoxu Wei (Wuhan University of Technology, China), Yongsheng Wang (Wuhan University of Technology, China), and Xuefeng Cui (Wuhan University of Technology, China)</i> | |
| Finite Element Modeling and Simulation of Tensile Experiment and Teaching Practice in Vocational Colleges | 580 |
| <i>Shang Wang (Beijing Polytechnic, China), Meiqin Liang (Beijing Polytechnic, China), Yajuan Zhang (Beijing Polytechnic, China), and Hui Yu (Beijing Polytechnic, China)</i> | |

| | |
|---|-----|
| Validation and Analysis of Graduate Satisfaction Questionnaire Based on Structural Equation Model | 586 |
| <i>Liangsheng Qu (Naval Aviation University, China), Yuhui Li (Naval Aviation University, China), Kai Song (Naval Aviation University, China), and Xiang Li (PLA Unit 96823, China)</i> | |
| Research on Teaching of Metaverse Technology Flipped the MICE Education | 592 |
| <i>ChuanHsiu Ho (Zhaoqing University, China)</i> | |
| Improving the Online Classes Participation using Inquiry-Based Non-Standardized Assessment.... | 597 |
| <i>Wenmin Zhang (South China University of Technology, China), Bo Qu (South China University of Technology, China), and Xiuqiong Wang (South China University of Technology, China)</i> | |
| Teaching and Learning of Metacognitive Reading Strategies in Chinese EFL Classroom: Implication from Statistical Investigation | 602 |
| <i>Ying Chen (Minjiang University, China)</i> | |
| Analysis of Influencing Factors of College Evaluation Based on Spearman Rank Correlation and Topsis Algorithm Model | 606 |
| <i>Shuang He (Yangjiang Polytechnic faculty of Mathematics, China)</i> | |
| An Empirical Study on the Relationship Between National Identity and English Achievement of Middle School Students of the Dulong Ethnic Group in Yunnan, China | 613 |
| <i>Yuan Yuan (Yunnan Normal University, China), Lijia Wang (Yunnan Normal University, China), and Yichuan Yuan (Kunming College of Arts and Sciences, China)</i> | |
| Analysis of Spatial Characteristics and Equilibrium Degree of Pre-School Education Resource Allocation Based on GIS Technology | 617 |
| <i>Qingling Meng (Hulunbuir College, Hailar Inner Mongolia; Northeast Normal University, Changchun), Yuli Min (Zhaotong College, Yunnan), and Song Guo (Hulunbuir College, Hailar Inner Mongolia)</i> | |
| Research on Performance Appraisal Method of Counselors Based on Data Model Analysis | 622 |
| <i>WeiDa Zha (Applied Technology of Soochow University, China)</i> | |
| An Empirical Study on the Affect of Perceiving Entrepreneurial Culture to Entrepreneurial Learning Based on Structural Equation Analysis Method | 627 |
| <i>Congjun Chen (Northwestern Polytechnical University, China)</i> | |
| Study on Poverty-Causing Factors of Relative Poverty in Jilin Province -Empirical Analysis Based on Binary Logit Model | 632 |
| <i>Xinxin Shi (Changchun University of Technology, China) and Shengji Li (Changchun University of Technology, China)</i> | |
| A Study of "Extension Cognition" in Primary Mathematics Education | 636 |
| <i>Haixia Lu (Dalian Zhongshan Central Primary School, China) and Yumeng He (Liaoning Normal University, China)</i> | |
| Simulation of Steel Beam Bending and Teaching Practice in Higher Vocational Colleges | 640 |
| <i>Shang Wang (Beijing Polytechnic, China) and Meiqin Liang (Beijing Polytechnic, China)</i> | |
| Research on Deep Neural Network Physical Education Training Model Under Flipped Classroom Mode | 646 |
| <i>Pengcheng Zhang (Department of Physical Education of Anhui University of Chinese Medicine, China)</i> | |

| | |
|---|-----|
| Research on the Development of Chinese Children's Emotional Understanding | 650 |
| <i>Na Li (Shanghai Xingjian College, China) and Chenhua Gu (Shanghai Xingjian College, China)</i> | |
| Finite Element Analysis of Hollow Shaft Under Torsion and Teaching Practice in Higher Vocational Colleges | 656 |
| <i>Shang Wang (Beijing Polytechnic, China), Meiqin Liang (Beijing Polytechnic, China), Yajuan Zhang (Beijing Polytechnic, China), and Xuesong Zhen (Beijing Polytechnic, China)</i> | |
| Simulation Research on Explicit and Tacit Knowledge Transfer Process of Civil-Involved Military From the Perspective of the Nuclear Fusion | 662 |
| <i>Hang Ju (Harbin Engineering University, China) and Minghui Pang (Harbin Engineering University, China)</i> | |
| An Industrial Craftsman Evaluation Model And Its Implementation in Liaoning Province China.... | 666 |
| <i>Xiaomi Zhong (Liaoning Economic Management Cadre College, China) and Ruihua Wang (Liaoning Economy Management Cadre College, China)</i> | |
| Statistical Mathematical Model of Higher Mathematics Teaching Quality Evaluation and Application Analysis of SPSS | 672 |
| <i>Shengzi He (Fuzhou Preschool Education College, China)</i> | |
| Research on Replenishment Model of Retailers in Community Considering Replenishment Cost Rate and Service Level | 676 |
| <i>Lu Qin (Beijing Jiaotong University, China) and Yangqing Feng (Beijing Jiaotong University, China)</i> | |
| Research on Passenger Satisfaction of Online Car-Hailing Based on Structural Equation Model | 682 |
| <i>Jiawen Liu (Dalian Maritime University, China) and Xuteng Zhao (Dalian Maritime University, China)</i> | |
| Teen Peer Networks and Academic Achievement An Empirical Study Based on the Data of CEPS two Phases | 688 |
| <i>Moyun Du (Xi'an Gaoxin No.1 High School International Campus, China)</i> | |
| Research on the Construction of Prefabricated Building Supply Chain Information Management Platform Based on BIM Technology | 695 |
| <i>Qiong Tang (Qijing Normal University, China)</i> | |
| A Study on the Influencing Factors of China's Agricultural Development Based on Big Data Analysis | 699 |
| <i>BingYu Yang (Central University of Finance and Economics, China)</i> | |
| Visual Analysis of Leadership Style Practical Knowledge Graph Under the Background of Big Data— —based on Citespace and Python | 704 |
| <i>Xiaona Bao (Dalian Polytechnic University, China) and Tian Ou (Dalian Polytechnic University, China)</i> | |
| A Study on Teaching Reform Based on the Management Information System of Organic Chemistry Course | 708 |
| <i>Zhihao Wu (Jiaying University, China) and Ming Ouyang (Jiaying University, China)</i> | |
| A New Method of Arranging Courses in Educational Administration System | 712 |
| <i>Wenting Luo (Putian University, China) and Tao Yan (Putian University, China)</i> | |

| | |
|--|-----|
| Rural Cultural Care, Education and law Popularization Based on Big Data: an Empirical Study on the Integration of Three Governance in D Town, Z City | 716 |
| <i>Suxiao Yao (Soochow University, China), Wencai Qu (Soochow University, China), Qiuzhi Ma (Soochow University, China), and Xinyun Wang (Soochow University, China)</i> | |
| Research on the Evolutionary Game of the Cooperation Network Between New Energy Automobile Companies and University-Research Institutions Driven by the Government | 721 |
| <i>Yihan Xiao (Wuhan University of Technology, China) and Qin Liu (Wuhan University of Technology, China)</i> | |
| Research on the Construction of English Intelligent Learning Mode Based on Big Data | 730 |
| <i>Hai Wang (Yinchuan University of science and technology, China)</i> | |
| Research on Influencing Factors of University Campus Sports Competition Management Based on Factor Analysis Method | 734 |
| <i>Shijun Fan (Tianjin University of Technology, China) and Xiaohua Chen (Tianjin University of Technology, China)</i> | |
| An Empirical Study on The Comprehensive Quality Evaluation of Chinese College Students Based on Bayesian Algorithm | 740 |
| <i>Hong Zhang (Nanjing University of Science and Technology, China), Yun Zhu (Nanjing University of Science and Technology, China), Jian Guo (Nanjing University of Science and Technology, China), and Yaoqin Zhu (Nanjing University of Science and Technology, China)</i> | |
| Research on Fixed Asset Management from the Perspective of Industry-Finance Integration—Based on CNN Method | 748 |
| <i>Hong Liu (State Grid Hebei Electric Power Co., Ltd, China), Jing Wang (State Grid Hebei Electric Power Co., Ltd, China), Shui Jiang (North China Electric Power University, China), and Xiaohua Song (North China Electric Power University, China)</i> | |
| Research on Training International Applied Management Talents in Local Universities Based on Data Mining | 755 |
| <i>Zongying Zhao (Tianjin University of Finance and Economics Pearl River College)</i> | |
| Research on the Digital Information Management of Manufacturing Enterprises with Government Participation | 762 |
| <i>Puchao Li (China Automotive Technology and Research Center Co., Ltd, China), Mian Wang (China Automotive Technology and Research Center Co., Ltd, China), Yingnan Liu (China Automotive Technology and Research Center Co., Ltd, China), and Bin Xu (China Automotive Technology and Research Center Co., Ltd, China)</i> | |
| Analysis of the Relationship Between Mothers' Educational Anxiety and Children's Resilience in Primary Schools Based on Bootstrap Approach | 767 |
| <i>Peng Yin (Institute of Psychology Chinese Academy of Sciences, University of Chinese Academy of Sciences, China) and Yuqing Zhang (Institute of Psychology, Chinese Academy of Sciences, China)</i> | |

| | |
|---|-----|
| Research on Enhancing Vocational Competence in Computer and Information Engineering Talents Based on Big Data Analysis | 774 |
| <i>Desheng Zeng (Information Engineering Institute, Guangdong Innovative Technical College, China), Lihua Chen (Information Engineering Institute, Guangdong Innovative Technical College, China), Shuanglong Pang (Information Engineering Institute, Guangdong Innovative Technical College, China), Xiaodan Chen (Information Engineering Institute, Guangdong Innovative Technical College, China), Pinzhang Xie (Zhanjiang University of Science and Technology, China), and Cui Shao (Information Engineering Institute, Guangdong Innovative Technical College, China)</i> | |
| Design and Application of Party Building Big Data Platform for College Students | 780 |
| <i>Fengqin Liu (Hulunbuir University, China)</i> | |
| Research on the Influence of Digital Finance on Urban Green Technology Innovation | 785 |
| <i>Xu Li Chen (Sichuan Agricultural University, China) and Xun Gang Zheng (Sichuan Agricultural University, China)</i> | |
| English Ubiquitous Learning System Based on Big Data Analysis | 789 |
| <i>Hongmin Nie (Nanchang JiaoTong Institute, China)</i> | |
| Research on Innovation Capability of Regional Innovation System Based on Fuzzy-set QCA Algorithm: Evidence from China | 793 |
| <i>Zhenyu Huang (Dalian Maritime University, China)</i> | |
| Statistical Analysis of Survey Result on Higher Vocational English Teaching Materials and Textbook | 801 |
| <i>Xiaohui Sui (Jinan Engineering Polytechnic, China)</i> | |
| Minimum Geometric Power Based Target Information Estimation Technique in Bistatic MIMO Radar | 805 |
| <i>Li Li (Dalian University, China)</i> | |
| Research on Human Resource Risk Management and Prevention of Electric Power Enterprise Based on BP Algorithm | 809 |
| <i>Wangyuan Xie (China Electric Power Research Institute, China), Yingcui Chen (China Electric Power Research Institute, China), Ye Yan (China Electric Power Research Institute, China), and Fan Meng (China Electric Power Research Institute, China)</i> | |
| Construction and Application of University Patent Classification Management System | 814 |
| <i>Xinghua Wei (Shenzhen University, China; Technology Transfer Office, Shenzhen University, China), Xiumei Zhong (Shenzhen University, China; Library, Shenzhen University, China), Yinxue Jin (Shenzhen University, China; Library, Shenzhen University, China), Hongshen Pang (Shenzhen University, China; Library, Shenzhen University, China), and Dan Mao (Shenzhen University, China; Technology Transfer Office, Shenzhen University, China)</i> | |
| Analyze the Development and Dissemination of Chinese Popular Science Animation Based on Big Data | 818 |
| <i>Kun Liu (Changchun University of Technology, China) and QuXing Sun (Changchun University of Technology, China)</i> | |
| Research on the Application of Big Data Technology in English Corpus and Teaching | 822 |
| <i>Chiyu Wang (Dalian Polytechnic University, China)</i> | |

| | |
|---|-----|
| The Digital Economy Driving Marketization in China: Based on Big Data, AI and IoT | 826 |
| <i>Ting Wang (Chu Business Research Center of Wenhua College, China), Yan-ting Li (Chu Business Research Center of Wenhua College, China), Chunying Cui (Chu Business Research Center of Wenhua College, China), and Chenjia Liao (Chu Business Research Center of Wenhua College, China)</i> | |
| Construction of Precise Ideological and Political Education in Universities in the Era of Big Data | 830 |
| <i>Mingjin Li (University of Electronic Science and technology of China, China), Dan Ye (University of Electronic Science and technology of China, China), and Mengjie Han (University of Electronic Science and technology of China, China)</i> | |
| Research on School-Enterprise Cooperation Education Practice of University Computer Major 'Leading Flight' Based on Big Data: Take UESTC as an Example | 834 |
| <i>Xilin Wang (University of Electronic Science and Technology of China, China)</i> | |
| An Intelligent Health Management System Based on the Internet of Things | 838 |
| <i>Dong Wang (Shanghai Urban Construction Vocational College, China), Honghe Wei (ZTE Corporation, China), Yong Ji (Shanghai Urban Construction Vocational College, China), and Yufeng Shi (Shanghai University of Medicine & Health Sciences, China)</i> | |
| Construction of Political Science Research Application Platform Based on Big Data Analysis Technology | 842 |
| <i>Qiao Li (Hulunbuir University, China) and Dawei Zhang (Hulunbuir Economic and Social Research Institute, China)</i> | |
| Cause Analysis of High Price Differences Drugs Before and After the Deregulation of Drug Price Control: Empirical Study with Big Data on Drug Price Data of 16 Provinces in China | 847 |
| <i>Zeyu Zhang (University of Macau, China), Qian Bai (University of Macau, China), and Ying Bian (University of Macau, China)</i> | |
| Research On the Application Of Blockchain Technology In Teachers' File Management | 854 |
| <i>Mi Tian (Chongqing Normal University, China) and Degang Yang (Chongqing Normal University, China)</i> | |
| Mining the Mental Health Crisis Among College Students using Big Data: A Data Analysis Based on TikTok | 859 |
| <i>Fangfang Liu (Yunnan vocational college of land Resources, China) and Di Liu (Yunnan vocational college of land Resources, China)</i> | |
| Research on the Breakthrough Path of Online and Offline Education Integration Under the Background of Deep Integration of Information Technology and Education | 863 |
| <i>XingHuan Liu (Beijing Jiaotong University, China)</i> | |
| Exploration and Analysis of Ideological and Political Education Infiltration in College English Classroom in the Era of Big Data | 868 |
| <i>Tingting Song (Shandong University of Finance and Economics, China)</i> | |
| Design and Innovation Application of Big Data Technology Scientific Research Management Platform – From the Perspective of "Keywords to Understand China" | 872 |
| <i>Huisi Chen (Guangdong University of Foreign Studies, China)</i> | |

| | |
|---|-----|
| SWOT Analysis and Strategies of Postgraduate Precise Career Education in the Context of Big Data | 876 |
| <i>Dan Ye (University of Electronic Science and Technology of China, China), Mingjin Li (University of Electronic Science and Technology of China, China), Mengjie Han (University of Electronic Science and Technology of China, China), and Xilin Wang (University of Electronic Science and Technology of China, China)</i> | |
| A New Algorithm for Inventive Problem Solving Processes, Tools and Model Based on TRIZ | 880 |
| <i>Junbo Zhao (Dalian Jiaotong University, China)</i> | |
| Formative Evaluation and Performance Management System of Curriculum Under the Background of Engineering Certification | 884 |
| <i>Xiaoran Lin (Hebei University of Economics and Business, China), Yachao Wang (Hebei University of Economics and Business, China), Jianke Li (Hebei University of Economics and Business, China), Jifang Wang (Hebei University of Economics and Business, China), Xiaojuan Li (Hebei University of Economics and Business, China), and Ruoxi Sun (Hebei University of Economics and Business, China)</i> | |
| Research of the Second Classroom Teaching Model Based on Big Data Analysis | 888 |
| <i>Rendong Li (The Information and Communications College of National University of Defense Technology, China), Xiaoli Zhang (The Information and Communications College of National University of Defense Technology, China), Yuexing He (The Information and Communications College of National University of Defense Technology, China), and Ting Yan (The Information and Communications College of National University of Defense Technology, China)</i> | |
| A Study of Intercultural Competence Under CLIL with the Assistance of E-Learning--A Case Study of English Education of Chinese Culture | 892 |
| <i>Jiana Liu (Guangzhou Xinhua University, China)</i> | |
| The Effect of Perceived Overqualification of the Employees of Millennial Generation on Job Crafting in the Background of Popular Higher Education | 897 |
| <i>Biaobin Yan (Guangdong University of Foreign Studies, China), Jinping Lin (Guangdong University of Foreign Studies, China), Xueyan Zhong (Guangdong University of Foreign Studies, China), and Xindan Zhang (Guangdong University of Foreign Studies, China)</i> | |
| Research on Supply Chain Information Management Mechanism from the Perspective of Blockchain Empowerment | 902 |
| <i>Haiyun Cui (Beijing Wuzi University, China) and Shuting Li (Beijing Wuzi University, China)</i> | |
| A Review of College Curriculum Ideological and Political Research from the Perspective of Big Data1 | 907 |
| <i>Xiangyu Kan (Tianjin Vocational Institute, China)</i> | |
| Research on Fund Management Mechanism Based on Digital Twin Technology | 911 |
| <i>Jing Wang (State Grid Hebei Electric Power Co., Ltd, China), Hong Liu (State Grid Hebei Electric Power Co., Ltd, China), Jiayi Li (North China Electric Power University, China), Xiaohua Song (North China Electric Power University, China), and Shilin Li (State Grid Hebei Electric Power Co., Ltd, China)</i> | |

| | |
|---|-----|
| Measurement and Evaluation of the Service Quality for Rural Tourism in Shiyan City Based on Big Data Analysis | 917 |
| <i>Jianzhong Li (Hubei University of Automotive Technology, China)</i> | |
| Research on the Practical Education Path of Labor Concept Education Based on Big Data Technology | 921 |
| <i>Dan Cui (Dalian Vocational & Technical College, China)</i> | |
| Research Hotspots and Evolution of Domestic Knowledge Management Research in China Based on the Visualization Analysis of CSSCI (2000-2020) | 925 |
| <i>Guoan Peng (Guangdong University of Finance and Economics, China)</i> | |
| Research on Shipyard HSE Management System Based on PDCA Cycle | 930 |
| <i>Sixuei Yao (Wuhan University of Technology, China) and Jiaqi Yang (Wuhan University of Technology, China)</i> | |
| Analysis of Research Hotspots and Trends of Chronic Diseases in the Elderly at Home and Abroad Based on the Knowledge Graphs | 937 |
| <i>Ping Feng (Jilin University, China; Changchun University, China), Ying-ying Wang (Changchun University, China), Jian Zhao (Changchun University, China), and Xin Zhang (Changchun University, China)</i> | |
| Research on Human Resource Management System at Black Saber Software Company | 942 |
| <i>Aiting Zhang (University of Toronto, Canada)</i> | |
| A Novel CIM and Knowledge Graph Dased Distribution Network Equipment Management System ... | 949 |
| <i>Zhidan Zhang (State Grid Hunan Electric Power Company Limited Research Institute, China), Jiran Zhu (State Grid Hunan Electric Power Company Limited Research Institute, China), Junlian Lin (Hunan University, China), Chao Wu (Hunan University, China), Xuan Liu (Hunan University, China), and Xingrong Song (State Grid Hunan Electric Power Company Limited Research Institute, China)</i> | |
| Visual Analysis of the Present Situation and Trend of Vocational Education Research Based on Echarts | 955 |
| <i>Xiuying Yang (Hainan Vocational University of Science and Technology, China), Minrong Qiu (Gongqing Institute of Science and Technology, China), Longting Zhang (Hainan Vocational University of Science and Technology, China), Xinyuan Wen (Hainan Vocational University of Science and Technology, China), and Junhao Zhang (Hainan Vocational University of Science and Technology, China)</i> | |
| The Application of Computer Three-Dimensional Modelling Technology in Environmental Art Design Major | 961 |
| <i>Chenhui Xiong (Wuchang University of Technology, China)</i> | |
| COVID-19 Fake News and Misinformation Detection using Transformer Learning | 965 |
| <i>Zepeng Cui (University of California, U.S.)</i> | |
| The Model of Students' Portraits Based on Data Processing | 969 |
| <i>Xin Zhao (Air Force Early Warning Academy, China), YaHui Wu (Air Force Early Warning Academy, China), HaiShan Chen (Air Force Early Warning Academy, China), LiangQiang Cao (Air Force Early Warning Academy, China), JinBo Liu (Air Force Early Warning Academy, China), and XiaoNan Wang (Air Force Early Warning Academy, China)</i> | |

| | |
|---|------|
| Research on Teaching System of Art Design Specialty Based on Computer Cloud Technology | 973 |
| <i>Xiaoyun He (Jiangxi Vocational Technical College of Industry & Trade, China)</i> | |
| Research on Implementation Effect Evaluation of Strategic Provincial Subsidiaries of Power Grid Corporation — Take X Provincial Subsidiary as an Example | 977 |
| <i>PengPeng Yang (Xi'an International Studies University, China) and YiXue Yang (Xi'an International Studies University, China)</i> | |
| An Empirical Study on Chinese Student Translators' Ability in Identifying In-Text Terminology: With a Specific Focus on Terms of Computer Science | 981 |
| <i>Xiangmei Chen (Minjiang University, China)</i> | |
| Exploration on Training Mode of Intelligent Construction Talents Based on BIM Technology | 986 |
| <i>Lin Li (Xi'an traffic engineering institute, China)</i> | |
| Teachers' Nonverbal Behaviors Influence Children's Gender Stereotypes | 990 |
| <i>Jia Xu (University Of Chinese Academy of Sciences, China), Yiwen Chen (University Of Chinese Academy of Sciences, China), and Yuting Zhang (University Of Chinese Academy of Sciences, China)</i> | |
| Meta Analysis of Mental Health Status of Chinese College Students During new Coronavirus Pneumonia | 996 |
| <i>Wenjiao Fu (Hubei University of Chinese Medicine, China) and Zhengzheng Huang (Hubei University of Chinese Medicine, China)</i> | |
| Experimental Research on the Influence of Intelligent Industry Development on Employment Quality of College Graduates | 1002 |
| <i>Yaqin Du (Harbin University of Commerce, China)</i> | |
| Imagery Analysis and Virtual Visualization of Chinese Folk Song Hua'er | 1006 |
| <i>Yan Xu (Beijing Language and Culture University, BLCU, China) and QianQian Tang (Beijing Language and Culture University, BLCU, China)</i> | |
| Study on the Influencing Factors of Job Burnout of Grass-Roots Medical Staff Based on Regression Analysis | 1010 |
| <i>Yiwei Kong (Hubei University of Chinese Medicine, China) and Xiaosheng Lei (Hubei University of Chinese Medicine, China)</i> | |
| Business Model Innovation of Chinese Agricultural Products in the Internet Environment Based on Information Technology | 1014 |
| <i>Yaxing Zi (YCIH Green High-performance Concrete Company Limited, China)</i> | |
| Application of Computer Technology in College Students' Mental Health Education | 1019 |
| <i>Fang Liu (Xinjiang Vocational & Technical College of Communications, China) and Yuexia Mai (Engineering University of PAP, China)</i> | |
| Research on Patent Classification Based on Hierarchical Label Semantics | 1025 |
| <i>Jie Chen (Ministry of Education Anhui University, China; Anhui University, China), Shu Zhao (Ministry of Education Anhui University, China; Anhui University, China), Fan Lu (Ministry of Education Anhui University, China; Anhui University, China), Feng Liu (Anhui University, China), and Yangping Zhang (Ministry of Education Anhui University, China; Anhui University, China)</i> | |

| | |
|--|------|
| Research on Information Technology Skills Training and Multi-Dimensional Evaluation System Construction | 1033 |
| <i>Yongming Huang (NO.3 Vocational Technical School of Nanning, China)</i> | |
| <i>and Huaichun Meng (NO.3 Vocational Technical School of Nanning, China)</i> | |
| A Practical Research on the Training of Middle School Students' Computational Thinking Based on Problem Solving in Systematic Information Process view | 1037 |
| <i>Miaomiao Zhao (Bohai University, China) and Weixing Hu (Bohai University, China)</i> | |
| A Study of College Students' Career Planning and Its Contributory Factors: An Analysis Based on College Students of Sino-Foreign Joint Programs | 1041 |
| <i>Dan Lu (Yunnan University of Finance and Economics, P.R. China;</i> | |
| <i>National Institute of Development Administration, Thailand), Michael</i> | |
| <i>Tain Chung Hwang (Keuka College, USA), Qian Zeng (Yunnan University of</i> | |
| <i>Finance and Economics, P.R. China), and Zihe Yang (Yunnan University</i> | |
| <i>of Business Management)</i> | |
| Research on the Relationship Between Adolescent Psychological Poverty and Psychological Capital Based on SPSS Data Analysis | 1048 |
| <i>Ting Wang (Jiangxi University of Traditional Chinese Medicine, China),</i> | |
| <i>Liwen Xu (Jiangxi University of Traditional Chinese Medicine, China),</i> | |
| <i>Mijiao Bo (Jiangxi University of Traditional Chinese Medicine, China),</i> | |
| <i>and Lu Tian (Jiangxi University of Traditional Chinese Medicine,</i> | |
| <i>China)</i> | |
| Analysis of the Influence of Family Structures on the Prevalence of Chronic Diseases in the Elderly | 1052 |
| <i>YanPing Wang (Hubei University of Traditional Chinese Medicine,</i> | |
| <i>China), Na Li (Hubei University of Traditional Chinese Medicine,</i> | |
| <i>China), and Li Chen (Hubei University of Traditional Chinese Medicine,</i> | |
| <i>China)</i> | |
| Research on Translation Quality Control of Computer-Aided Translation Software Trados | 1056 |
| <i>Li Yang (Shenyang Jianzhu University, China)</i> | |
| Research on Improving Students' Humanistic Quality with Calligraphy Education Based on Data Information Processing | 1061 |
| <i>Mingxing Zhang (Hulunbuir University, Inner Mongolia) and MingSu Xiao</i> | |
| <i>(Hulunbuir University, Inner Mongolia)</i> | |
| The New Development and Application About Interval Super DEA in Schools | 1066 |
| <i>Ming-Xia Lu (Shanghai University, China)</i> | |
| Bibliometric Analysis of Information Literacy Education in Universities Based on Web of Science | 1070 |
| <i>Yuwei Fu (Wuhan University, China)</i> | |
| Research on Evaluation System of the Judge Quality in Students' Contest Based on Data Driven | 1075 |
| <i>Runhao Zhao (National University of Defense Technology, China),</i> | |
| <i>Yunxiao Guo (National University of Defense Technology, China),</i> | |
| <i>Xiaying Ma (National University of Defense Technology, China), Xinrong</i> | |
| <i>Yin (National University of Defense Technology, China), and Jiuyang</i> | |
| <i>Tang (National University of Defense Technology, China)</i> | |

| | |
|---|------|
| An Analysis Method for Online Shopping Platform Comments Based on NLP-AHP: Taking Amazon as An Example | 1080 |
| <i>Junjie Tang (Shanghai University, China) and Jiaxin Guo (The University of Hong Kong, China)</i> | |
| Exploration of Dual System Evaluation Mode of Crew Training in Cruise Liners in the Context of Intensifying College-Enterprise Cooperation | 1086 |
| <i>Zhaohui Shan (Tianjin Maritime College, China)</i> | |
| Examining the Influence of Leadership Inputs in Reflective Learning on Academics and Students in a Higher Education Environment | 1090 |
| <i>Devinder Kumar Yadav (University of Nottingham Ningbo China, China) and Dinesh Bhatia (University of Glasgow, Singapore)</i> | |
| Research on Evaluation of Undergraduate Training Quality Based on AHP Facing the Construction of "One Belt and One Road" | 1094 |
| <i>Demei Sun (Harbin Engineering University, China), Shan Lu (Harbin Engineering University, China), and Yang Chen (Harbin Engineering University, China)</i> | |
| The Influence of Family Capital Theory on The Students' Choice of Normal Majors Based on Experimental Survey | 1098 |
| <i>Huiping You (Harbin Normal University, China), Boyue Su (Harbin Normal University, China), Fang Sun (Harbin Normal University, China), and Yutong Zhang (Harbin Normal University, China)</i> | |
| Literature Analysis on the Research Status of Mass Entrepreneurship and Innovation Training Projects: Document Metrology Based on CNKI Database | 1102 |
| <i>Liang Zhou (Lanzhou University of Finance and Economics, China) and Wenjing Zhang (Lanzhou University of Finance and Economics, China)</i> | |
| On Establishment of Stratified Guidance System for College Students of Entrepreneurship Capability | 1106 |
| <i>Yun Zhu (Nanjing University of Science and Technology, China), Jia Guo (Nanjing University of Science and Technology, China), and Jian Guo (Nanjing University of Science and Technology, China)</i> | |
| Research on the Development Strategy of Interactive Courseware Based on Data Mining Mode During the Epidemic | 1111 |
| <i>Na Li (University of the Cordilleras, Philippines; Shijiazhuang Information Engineering Vocational College, China) and Thelma Domingo Palaoag (University of the Cordilleras, Philippines)</i> | |
| The Impact of Payroll Tax Planning on Corporate Innovation: Panel Data Analysis with Stata..... | 1116 |
| <i>Jie Wu (Wuhan Business University, China)</i> | |
| Application of Computer Image Processing Technology in Clinical Medicine | 1120 |
| <i>Qian Wang (Jiangxi Health Vocational College, China)</i> | |
| Research on the Cultivation Measures of the view of Love and Marriage of Female College Students Under "ICT"--Based on SPSS Factor Analysis and Delphi Method | 1124 |
| <i>Qiao Li (Guangxi Normal University, China), Xinxin Li (Guangxi Normal University, China), Liwen Liang (Guangxi Normal University, China), Yuqing Yu (Guangxi Normal University, China), and Ziwen Jiang (Guangxi Normal University, China)</i> | |
| Research on the Construction of Chinese Painting Network Training Platform Based on Web Technology | 1128 |
| <i>Xiaoming Su (Hulunbuir University, Inner Mongolia)</i> | |

| | |
|--|------|
| Dynamic Capability and Reverse Knowledge Spillover: the System Dynamics Simulation of Non-Core Enterprise Response to Technological Innovation | 1133 |
| <i>Nannan Zhang (Shanghai Institute of Technology, China) and Jinfu Zhang (Shanghai Institute of Technology, China)</i> | |
| The Application of Electronic Portfolio Evaluation of College Japanese Conversation Course..... | 1143 |
| <i>Siyao Guo (Dalian Neusoft University of Information, China)</i> | |
| Research on Distribution Capacity of Fresh Food E-Commerce Company Based on Fuzzy Synthetic Evaluation | 1147 |
| <i>Gaotian Zhang (Beijing University of Posts and Telecommunications, China) and Yufeng Zhuang (Beijing University of Posts and Telecommunications, China)</i> | |
| User Analysis and Marketing Strategy Research of Video Platform: A Study of Bilibili | 1152 |
| <i>James Zhao (Zhuhai College of Science and Technology, China) and Lanie Wang (Nanjing Audit University, China)</i> | |

Author Index