

目次

2023年2月第30卷第1期(总第135期)

特邀专稿

- 元宇宙应用探索与展望 马小雅,童锦,陆建波,李梦岫(1)
元宇宙技术及应用研究进展 蒋明,李琪,龚才春,张峰,刘章珩(14)

自然语言理解

- 基于机器阅读理解的中文司法实体识别优化策略研究 余俊晖,陈艳平,秦永彬,黄辉(27)
CCM-MF:基于多维度特征融合的中文文本分类模型 马子晨,张顺香,刘云朵,王星光,张友强(35)
基于BERT的危险化学品命名实体识别模型 陈观林,程钊,邹凌,杨武剑,李甜(43)
大词汇量环境噪声下的多模态视听语音识别方法 吴兰,杨攀,李斌全,王涵(52)
融合生成式模型的知识增强实体链指方法 乔胤博,杨志豪,林鸿飞(61)

机器学习模型

- 基于带噪预训练的刑期预测方法 郑洁,黄辉,秦永彬(71)
结合问题-关系注意力和特征视图匹配的关系检测方法 王栋,王海荣,车森,孙崇(79)
基于组合赋权的暴恐转向风险预测研究 赵晓翠,康昭,田玲,惠亨,曾曦(89)
基于改进损失函数的实体类别平衡优化算法 张俸玺,吴丞楚,张运泽,董洛兵(100)
基于时空图卷积网络的输电线路覆冰预测 文屹,吴建蓉,曾华荣,范强,何锦强,龚博,丁志敏(106)
基于多任务学习的国际疾病分类自动编码模型 张艺,滕飞,胡节(114)
融合GAN与深度神经网络的混合信用评估方法 彭柏程,张安勤,张挺(121)
基于注意力机制的SK-YOLOv5海洋目标检测分类算法 李斌,文莉莉,邬满,刘画宁,许贵林(132)
基于改进Transformer和强化学习的僵尸网络DGA域名检测 马永忠,夏保丽(139)

大数据技术

- 纠删码存储系统中数据修复性能优化研究进展与展望 沈佳杰,向望,沈敏虎,武博淳,赵泽宇,张凯(149)
基于情感信息预处理和Bi-GRU的虚假评论识别模型 张玉莹,朱广丽,张友强,孙争艳,张顺香(169)
多因素的网络舆情逆转建模分析 陈龙齐,陈晓亮,杜亚军,李显勇(177)
融合ChineseBERT和双向注意力流的中文商品评论方面情感分析 胡晓丽,张于贤,黄思睿(187)

智能计算

- MOEA/ I_{CD} :一种基于适应度指标 I_{CD} 的高维多目标进化算法 谢承旺,韦伟,郭华,周慧(196)
混合策略改进的金枪鱼群优化算法 李涵,李文敬(208)

CONTENTS

February 2023 Vol. 30 No. 1 (No. 135)

Special Issue

- Exploration and Prospect of Metaverse Application MA Xiaoya, TONG Jin, LU Jianbo, LI Mengxiu(1)
Research Progress on the Technology and Application of Metaverse
..... JIANG Ming, LI Qi, GONG Caichun, ZHANG Feng, LIU Zhangheng(14)

Natural Language Understanding

- Research on Optimization Strategy of Chinese Judicial Entity Recognition Based on Machine Reading Comprehension YU Junhui, CHEN Yanping, QIN Yongbin, HUANG Hui(27)
CCM-MF: Chinese-text Classification Model Based on Fused Multi-dimensional Features
..... MA Zichen, ZHANG Shunxiang, LIU Yunduo, WANG Xingguang, ZHANG Youqiang(35)
Named Entity Recognition Model of Hazardous Chemicals Based on BERT
..... CHEN Guanlin, CHENG Zhao, ZOU ling, YANG Wujian, LI Tian(43)
A Multi-modality Audio-Visual Speech Recognition Method under Large Vocabulary Environmental Noise
..... WU Lan, YANG Pan, LI Binquan, WANG Han(52)
Knowledge Enhanced Entity Linking Method Integrating Generative Model
..... QIAO Yinbo, YANG Zhihao, LIN Hongfei(61)

Machine Learning Models

- Sentence Prediction Method Based on Noisy Pretraining ZHENG Jie, HUANG Hui, QIN Yongbin(71)
Relation Detection Method Combining Question-Relation Attention and Feature View Matching
..... WANG Dong, WANG Hairong, CHE Miao, SUN Chong(79)
Research on Risk Prediction of Violent Terrorist Turn Based on Combination Weighting
..... ZHAO Xiaocui, KANG Zhao, TIAN Ling, HUI Bei, ZENG Xi(89)

Entity Category Balance Optimization Algorithm Based on Improved Loss Function	ZHANG Fengxi,WU Chengchu,ZHANG Yunze,DONG Luobing(100)
Transmission Line Icing Prediction Based on Spatio-temporal Graph Convolutional Networks	WEN Yi,WU Jianrong,ZENG Huarong,FAN Qiang,HE Jinqiang,GONG Bo,DING Zhimin(106)
Auto-encoding Model Based on Multi-Task Learning for International Classification of Diseases	ZHANG Yi,TENG Fei,HU Jie(114)
A Hybrid Credit Evaluation Method Integrating GAN and Deep Neural Network	PENG Baicheng,ZHANG Anqin,ZHANG Ting(121)
SK-YOLOv5 Ocean Target Detection and Classification Algorithm Based on Attention Mechanism	LI Bin,WEN Lili,WU Man,LIU Huaning,XU Guilin(132)
Botnet DGA Domain Name Detection Based on Improved Transformer and Reinforcement Learning	MA Yongzhong,XIA Baoli(139)

Big Data Technology

Research Progress and Prospect on Performance Optimization of Data Recovery for Erasure-Coded Storage Systems	SHEN Jiajie,JIANG Wang,SHEN Minhu,WU Bochun,ZHAO Zeyu,ZHANG Kai(149)
Fake Review Detection Model Based on Pre-training of Sentiment Information and Bi-GRU	ZHANG Yuying,ZHU Guangli,ZHANG Youqiang,SUN Zhengyan,ZHANG Shunxiang(169)
Modeling Analysis of Multi-Factor Network Public Opinion Reversal	CHEN Longqi,CHEN Xiaoliang,DU Yajun,LI Xianyong(177)
Aspect Sentiment Analysis for Chinese Commodity Reviews Based on ChineseBERT and Bidirectional Attention Flow	HU Xiaoli,ZHANG Yuxian,HUANG Sirui(187)

Intelligent Computing

MOEA/ I_{CD} :A Many-objective Evolutionary Algorithm Based on Fitness Index I_{CD}	XIE Chengwang,WEI Wei,GUO Hua,ZHOU Hui(196)
Improved Tuna Swarm Optimization Algorithm Based on Hybrid Strategy	LI Han,LI Wenjing(208)
