



所属学院 信息科学与工程学院

学科领域 计算机科学与技术

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个人简介

王喆，教授，博士生导师。上海市曙光学者。主持国家自然科学基金 4 项以及多个省部级课题。以第一 / 通讯作者发表 SCI 源期刊论文 60 篇，已公开发明专利 24 项。担任多个专委会委员及期刊编委。

研究方向

机器学习，模式识别，不平衡学习，多核及模式表示学习

研究成果及主要发表文章

- [1] Zhe Wang, Songcan Chen*, Tingkai Sun. MultiK-MHKS: a novel multiple kernel learning algorithm. IEEE Transactions on Pattern Analysis and Machine Intelligence. 30(2):348-353, 2008.
- [2] Zonghai Zhu, Zhe Wang*, Dongdong Li, Wenli Du. Globalized multiple balanced subsets with collaborative learning for imbalanced data. IEEE Transactions on Cybernetics, Early access, pp:1-11, doi: 10.1109/TCYB.2020.3001158, 2020.
- [3] Zonghai Zhu, Zhe Wang*, Dongdong Li, Yujin Zhu, Wenli Du*. Geometric structural ensemble learning for imbalanced problems. IEEE Transactions on Cybernetics. 50(4): 1617-1629, 2020.
- [4] Zhe Wang*, Chenjie Cao, Yujin Zhu. Entropy and confidence based undersampling boosting random forests for imbalanced problems. IEEE Transactions on Neural Networks and Learning Systems. Early access, pp:1-14, doi: 10.1109/TNNLS.2020.2964585, 2020.
- [5] Yujin Zhu, Zhe Wang*, Hongyuan Zha, Daqi Gao*. Boundary-eliminated pseudoinverse linear discriminant for imbalanced problems. IEEE Transactions on Neural Networks and Learning Systems. 29(6): 2581-2594, 2018.
- [6] Zhe Wang, Songcan Chen*, Jun Liu, Daoqiang Zhang. Pattern representation in feature extraction and classifier design: matrix versus vector. IEEE Transactions on Neural Networks. 19(5):758-769, 2008.
- [7] Zhe Wang*, Chenjie Cao. Cascade interpolation learning with double subspaces and confidence disturbance for imbalanced problems. Neural Networks. 118:17-31, 2019.
- [8] Zhe Wang*, Zonghai Zhu, Dongdong Li. Collaborative and geometric multi-kernel learning for multi-class classification. Pattern Recognition. 99, pp:1-14, 107050, 2020.
- [9] Zhe Wang*, Zonghai Zhu. Matrix-pattern-oriented classifier with boundary projection discrimination. Knowledge-Based Systems. 149:1-17, 2018.
- [10] Zhe Wang*, Changming Zhu, Daqi Gao, Songcan Chen*. Three-fold structured classifier design based on matrix pattern. Pattern Recognition. 46(6):1532-1555, 2013.