



Yan Jianjun

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Profile

Yan Jianjun, associate professor and master's supervisor of East China University of Technology. In May 2014, as a visiting scholar, he went to Penn Image Computing and Science Laboratory, Perman Medical College, University of Pennsylvania, USA for a one-year study. He is now the vice chairman of the Chinese Medicine Diagnosis Committee of Shanghai Association of Integrated Traditional and Western Medicine, the director of the Tongue Research Committee of the World Federation of Chinese Medicine Societies, the expert of ISO/TC249 WG4/WG5 Working Group of the Technical Committee of Traditional Chinese Medicine of the International Organization for Standardization, and member of the first centralized unit for standardization technology of traditional Chinese medicine instruments. He has accumulated rich experience in the fields of intelligent measurement and control, medical engineering integration, and material related research. Presided over/took charge of more than 10 projects at all levels, including subprojects of National Key R&D programs, projects of the National Natural Science Foundation of China, Shanghai Municipal Science and Technology Commission, and Shanghai Municipal Education Commission, and published more than 100 papers. 11 SCI source papers, 14 EI source papers and 11 Chinese core papers were published as the first author/corresponding author; More than 20 patents have been applied/authorized, including 5 invention patents and 1 utility model patent; The deputy chief editor has three books and participated in the compilation of one textbook.

Research Field

1. Intelligent sensing and control
2. Artificial intelligence

Research results and main published thesis

- [1]Huang, L (Huang, Lin); Yan, JJ (Yan, Jian-Jun); Cai, SY (Cai, Shi-Yu); Guo, R (Guo, Rui); Yan, HX (Yan, Hai-Xia); Wang, YQ (Wang, Yi-Qin). Automated Segmentation of the Systolic and Diastolic Phases in Wrist Pulse Signal Using Long Short-Term Memory Network. *BioMed Research International*, 2022: 2766321
- [2]Yan, JJ (Yan, Jian-Jun); Cai, XL (Cai, Xiang-Lei); Zhu, GY (Zhu, Guang-Yao); Guo, R (Guo, Rui); Yan, HX (Yan, Hai-Xia); Wang, YQ (Wang, Yi-Qin). A non-invasive blood pressure prediction method based on pulse wave feature fusion. *Biomedical Signal Processing and Control*, 2022, 74: 103523
- [3]Yan, JJ (Yan, Jian-Jun); Cai, XL (Cai, Xiang-Lei); Chen, SY (Chen, Song-Ye); Guo, R (Guo, Rui); Yan, HX (Yan, Hai-Xia); Wang, YQ (Wang, Yi-Qin). Ensemble Learning-Based Pulse Signal Recognition: Classification Model Development Study. *JMIR Medical Informatics*, 9, 10: e28039
- [4]Liu, GP (Liu, Guo-Ping*); Yan, JJ (Yan, Jian-Jun*); Wang, YQ (Wang, Yi-Qin); Zheng, W (Zheng, Wu); Zhong, T (Zhong, Tao); Lu, X (Lu, Xiong); Qian, P (Qian, Peng). Deep Learning Based Syndrome Diagnosis of Chronic Gastritis. *Computational and Mathematical Methods in Medicine*, 2014: 938350
- [5]Zhou, W (Zhou, Wei); Yan, JJ (Yan, Jian-Jun); Li, Y (Li, Yong); Xia, CM (Xia, Chun-Ming); Zheng, JR (Zheng, Jian-Rong). Imperialist competitive algorithm for assembly sequence planning. *International Journal of Advanced Manufacturing Technology*, 67, 9-12: 2207-2216