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PUBLICATION LIST

19 peer-reviewed papers (10 SCI journal papers, 5 in JCR Q1; 9 conference papers), plus 1 preprint — 7 CCF-A, 6 CCF-B, 4 CCF-C; 6 first-author; 228 citations (Google Scholar).

This page lists all publications. The CV shows only the four selected first-author CCF-A papers.

JOURNAL ARTICLES

[1] **MGDN: A Graph of Graphs Neural Network for Malware Detection**. *IEEE Transactions on Knowledge and Data Engineering*, 2026. DOI: 10.1109/TKDE.2026.3689176

Jianke Yu, Hanchen Wang, Ying Zhang, Wenjie Zhang, Lu Qin, Longbin Lai, Bailin Yang

1st author · Featured · CCF-A · CAS Zone 1 Top · JCR Q1 · 1 citations

[2] **SARL: A Scalable Attribute-Informed Representation Learning Framework for Bipartite Graphs**. *IEEE Transactions on Knowledge and Data Engineering*, 2026. DOI: 10.1109/TKDE.2026.3735058

Jianke Yu, Hanchen Wang, Chen Chen, Xiaoyang Wang, Wenjie Zhang, Ying Zhang, Xijuan Liu

1st author · Featured · CCF-A · CAS Zone 1 Top · JCR Q1

[3] **Temporal Insights for Group-Based Fraud Detection on e-Commerce Platforms**. *IEEE Transactions on Knowledge and Data Engineering*, 2024. DOI: 10.1109/TKDE.2024.3485127

Jianke Yu, Hanchen Wang, Xiaoyang Wang, Zhao Li, Lu Qin, Wenjie Zhang, Jian Liao, Ying Zhang, Bailin Yang

1st author · Featured · CCF-A · CAS Zone 1 Top · JCR Q1 · 12 citations

[4] **Finding critical users in social networks with reinforcement learning**. *Information Sciences*, 2026. DOI: 10.1016/J.INS.2026.123228

Xulu Gong, Hanchen Wang, **Jianke Yu**, Chen Chen, Xi Wang, Kecheng Wang, Xubo Wang, Ying Zhang

CCF-B · CAS Zone 2 · JCR Q1

[5] **IGFM: An Enhanced Graph Similarity Computation Method with Fine-Grained Analysis**. *Data Science and Engineering*, 2025. DOI: 10.1007/S41019-024-00278-3

Min Pei, **Jianke Yu**, Chen Chen, Hanchen Wang, Xiaoyang Wang, Ying Zhang

CCF-B · CAS Zone 1 Top · JCR Q2 · 1 citations

[6] **RIDA: a robust attack framework on incomplete graphs**. *World Wide Web*, 2025. DOI: 10.1007/S11280-025-01354-Y

Jianke Yu, Hanchen Wang, Chen Chen, Xiaoyang Wang, Lu Qin, Wenjie Zhang, Ying Zhang, Xijuan Liu

1st author · CCF-B · CAS Zone 4 · JCR Q2 · arXiv: 2407.18170 · 1 citations

[7] **FPGN: follower prediction framework for infectious disease prevention**. *World Wide Web*, 2023. DOI: 10.1007/S11280-023-01205-8

Jianke Yu, Xianhang Zhang, Hanchen Wang, Xiaoyang Wang, Wenjie Zhang, Ying Zhang

1st author · CCF-B · CAS Zone 4 · JCR Q2 · 6 citations

[8] **Neural Similarity Search on Supergraph Containment**. *IEEE Transactions on Knowledge and Data Engineering*, 2023. DOI: 10.1109/TKDE.2023.3279920

Hanchen Wang, **Jianke Yu**, Xiaoyang Wang, Chen Chen, Wenjie Zhang, Xuemin Lin

CCF-A · CAS Zone 1 Top · JCR Q1 · 10 citations

[9] **Bipartite graph capsule network**. *World Wide Web*, 2022. DOI: 10.1007/S11280-022-01009-2

Xianhang Zhang, Hanchen Wang, **Jianke Yu**, Chen Chen, Xiaoyang Wang, Wenjie Zhang

CCF-B · CAS Zone 4 · JCR Q2 · 13 citations

[10] **Polarity-based graph neural network for sign prediction in signed bipartite graphs**. *World Wide Web*, 2022. DOI: 10.1007/S11280-022-01015-4
Xianhang Zhang, Hanchen Wang, **Jianke Yu**, Chen Chen, Xiaoyang Wang, Wenjie Zhang
CCF-B | CAS Zone 4 | JCR Q2 16 citations

CONFERENCE PAPERS

[11] **Group-based Fraud Detection Network on e-Commerce Platforms**. *ACM SIGKDD Conference on Knowledge Discovery and Data Mining*, 2023. DOI: 10.1145/3580305.3599836
Jianke Yu, Hanchen Wang, Xiaoyang Wang, Zhao Li, Lu Qin, Wenjie Zhang, Jian Liao, Ying Zhang
1st author | Featured | CCF-A 47 citations

[12] **Mining Discriminative Salient Objects with Optimal Transport for Few-Shot Image Classification**. *FLINS-ISKE*, 2026. DOI: 10.1007/978-981-92-2487-6_25
Yijia Mi, Haobo Wei, Hanchen Wang, **Jianke Yu**, Ying Zhang, X D Liu

[13] **AEFA: An Ensemble Framework for Fraud Detection in the Forex Market**. *International Conference on Advanced Data Mining and Applications*, 2025. DOI: 10.1007/978-981-95-3459-3_3
Weiyuan Wang, **Jianke Yu**, Zhengyi Yang, Mingchen Ju, Shuyue Yu, Jinglin Wu, Lifan Liu, Yongfei Liu, John A. Shepherd, Wenjie Zhang
CCF-C 1 citations

[14] **Deep Overlapping Community Search via Subspace Embedding**. *ACM SIGMOD Conference*, 2025. DOI: 10.1145/3709678
Sima Qing, **Jianke Yu**, Xiaoyang Wang, Wenjie Zhang, Ying Zhang, Xuemin Lin
CCF-A 12 citations

[15] **RPDN: An Effective Rating Pollution Attacks Detection Framework for Recommendation Systems**. *Pacific-Asia Conference on Knowledge Discovery and Data Mining*, 2025. DOI: 10.1007/978-981-96-8180-8_29
Yongrui Gu, **Jianke Yu**, Y. Z. Li, Peiting Xie, Xiaoyang Wang, Chen Chen
CCF-C

[16] **Neural Similarity Search on Supergraph Containment (Extended Abstract)**. *IEEE International Conference on Data Engineering*, 2024. DOI: 10.1109/ICDE60146.2024.00486
Hanchen Wang, **Jianke Yu**, Xiaoyang Wang, Chen Chen, Wenjie Zhang, Xuemin Lin
CCF-A

[17] **SBGMN: A Multi-view Sign Prediction Network for Bipartite Graphs**. *Asia Pacific Web Conference (APWeb-WAIM)*, 2024. DOI: 10.1007/978-981-97-7238-4_6
Yuanyuan Jiang, **Jianke Yu**, Zhangyi Xu, Chen Chen, Yang-Wai Chow, Ying Zhang
CCF-C 1 citations

[18] **IFGNN: An Individual Fairness Awareness Model for Missing Sensitive Information Graphs**. *Australasian Database Conference*, 2023. DOI: 10.1007/978-3-031-47843-7_20
Kejia Xu, Zeming Fei, **Jianke Yu**, Yu Kong, Xiaoyang Wang, Wenjie Zhang

[19] **KGNIE: A Learning Method for Estimating Node Importance in Knowledge Graphs**. *IEEE International Conference on High Performance Computing and Communications*, 2023. DOI: 10.1109/HPCC-DSS-SMARTCITY-DEPENDSYS60770.2023.00089
Yin Chen, **Jianke Yu**, Qing Sima, Jinghao Wang, Yanping Wu, Xiaoyang Wang
CCF-C 1 citations

PREPRINTS

[20] **A Hypergraph-Based Framework for Exploratory Business Intelligence**. *arXiv preprint*, 2026.
Yunkai Lou, Shunyang Li, Longbin Lai, **Jianke Yu**, Wenyuan Yu, Ying Zhang
arXiv: 2603.10625