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所在单位: 大连理工大学 计算机科学与技术学院

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研究方向: 数据科学、知识工程、社会计算、图学习



个人简介

于硕, 大连理工大学计算机科学与技术学院准聘副教授, 院长助理。主要研究方向为数据科学、知识工程、图学习、社会计算。在相关领域高水平期刊及会议发表学术论文60余篇。获首届SMP-IDATA晨星青年基金、2022年度ACM大连分会学术新星奖、2022年度中国人工智能学会CAAI社会计算青年学者新星奖、大连理工大学优秀博士学位论文、IEEE CSDE 2020国际会议最佳论文奖、ACM/IEEE JCDL2020 The Vannevar Bush Best Paper Honorable Mention、IEEE DataCom 2017国际会议最佳论文奖等。谷歌学术引用千余次。担任数据挖掘领域高水平会议ICDM International Workshop on KG2022 Program Chair (KG2022), ACM/SIGAPP旗舰会议SAC2022 KG Track Chair (KG2021), 及多项IEEE国际会议 PC Member。此外, 于硕是CAAI终身会员、IEEE会员、ACM会员、CCF会员, 并担任TKDD、TETC、TNNLS、TII、IEEE IS、Mathematics、Artif. Intell. Rev.等期刊的特邀审稿人。

教育/工作经历

沈阳工业大学	信息与计算科学 (理学学士), 2007-2011
沈阳工业大学	应用数学 (理学硕士), 2011-2014
大连理工大学	软件工程 (工学博士), 2015-2019
大连理工大学	计算机科学与技术学院 (博士后), 2019-2022
大连理工大学	计算机科学与技术学院 (副教授), 2022至今

荣誉获奖

- 首届SMP-IDATA晨星青年 (2023)(单项指南资助率 < 10%)
- 2022年度中国人工智能学会 (CAAI) 社会计算青年学者新星(该年度唯一女性获得者)
- 2022年度ACM大连分会学术新星奖
- The ACM/IEEE Joint Conference on Digital Libraries (JCDL2020) (**The Vannevar Bush Best Paper Honorable Mention**)
- 最佳论文奖, IEEE International Conference on Computer Science and Data Engineering (IEEE CSDE2020)
- 大连理工大学 优秀博士学位论文
- 最佳论文奖, IEEE International Conference on Big Data Intelligence and Computing (IEEE DataCom2017)

学术兼职

- Editorial Board Member, Humanities and Social Sciences Communications
- PC Chair, Data Science and Information Technology (DSIT 2024)
- PC Member, The 3rd International Workshop on Scientific Knowledge: Representation, Discovery, and Assessment (Sci-K 2023)
- TPC Member, The 2023 International Joint Conference on Neural Networks (IJCNN2023)
- TPC Member, The 23rd International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP2023)
- TPC Member, The 8th China National Conference on Big Data & Social Computing (BDSC2023)

- Program Chair, IEEE ICDM 2022 Workshop on Knowledge Graphs (KG2022)
- Track Chair, The 37th ACM/SIGAPP Symposium on Applied Computing (ACM/SIGAPP SAC2022) (KG2021)
- PC Member, IEEE ICDM 2021 Workshop on Intelligence-Augmented Anomaly Analytics (IAAA2021)
- PC Member, The 2021 IEEE/WIC/ACM International Joint Conferences on Web Intelligence and Intelligent Agent Technology Special Track on Social Computing

项目概况

- 主持, 国家青年自然科学基金 (No. 62102060), 基于深度图学习的社交网络群体异常检测
- 主持, 中央高校基本科研业务费专项基金, 高阶结构感知的群体异常检测算法研究
- 主持, SMP-IDATA 晨星青年基金, 面向在线社交网络的网络社会群体刻画
- 主持, 横向项目, 基于多通道注意力脑电图网络的神经系统疾病助诊平台, 25万元
- 主持, 重点基地平台科研专题, 资源受限条件下知识驱动的群体智能决策
- 主持, 中国科协创新战略研究院高端青年智库项目 (CXY-ZKQN-2019-048), 高端科技创新智库青年项目
- 主持, 技术转化, 一种基于图表示学习模型的EEG数据分类方法, 100万元
- 主持, 技术转化, 基于NLP技术的非结构化数据治理, 50万元
- 项目骨干, 大连市揭榜挂帅项目, 基于质谱数据驱动的糖尿病心脑血管并发症智慧诊防平台的构建及应用
- 项目骨干, 国家自然科学基金 (No. 61872054), 基于图学习的学术合作网络挖掘技术
- 项目骨干, 中央高校基本科研业务费专项资金 (No. DUT19LAB23), 学术社会网络分析与挖掘关键技术
- 项目骨干, 国家自然科学基金 (No. 71774020), 基于全球技术交易海量数据分析的专利运营模式研究

学术报告

- **MEGA: Explaining Graph Neural Networks with Network Motifs.** International Joint Conference on Neural Networks (IJCNN 2023), Queensland, Australia, June 18-23, 2023
- **Web of Conferences: A Conference Knowledge Graph.** The ACM International Conference on Web Search and Data Mining (WSDM2023)
- **Deep Graph Learning: Data, Methods, and Applications.** The International Workshop on the 22nd IEEE International Conference on Data Mining (MLoG 2022) (特邀报告)
- **Deep Graph Learning Based Group Anomaly Detection in Social Networks.** The 7th China National Conference on Big Data & Social Computing (BDSC2022), Hangzhou, China, August 11-13, 2022
- **Graph Augmentation Learning.** The 31st International World Wide Web Conference Workshop on Graph Learning, Virtual Conference, April 25-29, 2022
- **CRI: Measuring City Infection Risk amid COVID-19.** IEEE International Conference on Computer Science and Data Engineering 2020 (IEEE CSDE 2020), Virtual Event, Australia, December 16-18, 2020 (Best Paper Award)
- **OFFER: A Motif Dimensional Framework for Network Representation Learning.** The 29th ACM International Conference On Information And Knowledge Management (CIKM2020), Virtual Event, October 19-23, 2020
- **Multivariate Relations Aggregation Learning in Social Networks.** Proceedings of the ACM/IEEE Joint Conference on Digital Libraries (JCDL 2020), Virtual Event, China, August 1-5, 2020 (The Vannevar Bush Best Paper Honorable Mention)
- **Mining Key Scholars via Collapsed Core and Truss.** The 4th IEEE International Conference on Cyber Science and Technology Congress, Fukuoka, Japan, August 7, 2019
- **Team Recognition in Big Scholarly Data: Exploring Collaboration Intensity.** The 3rd IEEE International Conference on Big Data Intelligence and Computing (DataCom), Orlando, Florida, USA, November 6, 2017 (Best Paper Award)
- **A Modified Node2vec Method for Disappearing Link Prediction.** The 3rd IEEE International Conference on Big Data Intelligence and Computing (DataCom), Orlando, Florida, USA, November 6, 2017

- **CAR: Incorporating Filtered Citation Relations for Scientific Article Recommendation.** The 8th IEEE International Conference on Social Computing and Networking (SocialCom), Chengdu, China, December 20, 2015

学术成果

1. Yuting Ma, **Shuo Yu***, and Yanming Shen. 2024. Pretraining Molecules with Explicit Substructure Information. SIAM International Conference on Data Mining (SIAM-SDM24). (Accepted)
2. **Shuo Yu**, Feng Xia, Shihao Li, Mingliang Hou, and Quan Z. Sheng. 2023. Spatio-Temporal Graph Learning for Epidemic Prediction. ACM Transactions on Intelligent Systems and Technology 14, 2, 1-25.
3. Hayat D. Bedru, Chen Zhang, Feng Xie, and **Shuo Yu**. 2023. CLARA: citation and similarity-based author ranking. Scientometrics 128, 1091-1117. <https://doi.org/10.1007/s11192-022-04590-5>
4. Shan Jin, Zhikui Chen, **Shuo Yu***, Muhammad Altaf, and Zhenchao Ma. 2023. Self-Augmentation Graph Contrastive Learning for Multi-view Attribute Graph Clustering. In proceedings of the 2023 Workshop on Advanced Multimedia Computing for Smart Manufacturing and Engineering. Association for Computing Machinery, New York, NY, USA, 51–56.
5. Mourad Lablack, **Shuo Yu***, Shuai Xu, Yanming Shen. Long-sequence model for traffic forecasting in suboptimal situation. 2023. Proceedings of the 18th Workshop on Mobility in the Evolving Internet Architecture (MobiArch' 23). Association for Computing Machinery, New York, NY, USA, 25–30. <https://doi.org/10.1145/3615587.3615985>.
6. **Shuo Yu**, Ciyuan Peng, Yingbo Wang, Ahsan Shehzad, Feng Xia, and Edwin R. Hancock. 2023. Quantum Graph Learning: Frontiers and Outlook. arXiv preprint arXiv:2302.00892.
7. Feng Ding, Naiwen Luo, **Shuo Yu***, and Zhikui Chen. 2023. MEGA: Explaining Graph Neural Networks with Network Motifs. 2023 International Joint Conference on Neural Networks (IJCNN). Gold Coast, Australia, 1-9. doi: 10.1109/IJCNN54540.2023.10191684.
8. **Shuo Yu**, Ciyuan Peng, Chengchuan Xu, Chen Zhang, and Feng Xia. 2023. Web of Conferences: A Conference Knowledge Graph. In Proceedings of the ACM International Conference on Web Search and Data Mining (WSDM). 1172-1175, DOI:10.1145/3539597.3573024.
9. Wang Lei, **Shuo Yu***, Falih Gozi Febrinanto, Fayez Alqahtani, and Tarek E. El-Tobely. 2022. Fairness-Aware Predictive Graph Learning in Social Networks. Mathematics 10, 15, 2696.
10. **Shuo Yu**, Feng Xia, Yueru Wang, Shihao Li, Falih Gozi Febrinanto, and Madhu Chetty. 2022. PANDORA: Deep Graph Learning Based COVID-19 Infection Risk Level Forecasting. IEEE Transactions on Computational Social Systems. 1-14. DOI: 10.1109/TCSS.2022.3229671.
11. Xu Yuan, Ying Yang, Huafei Huang, **Shuo Yu***, and Lili Cong. 2022. Mining Implicit Relations Among Image Channels for Few-Shot Semantic Segmentation. The 19th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC). 275-284.
12. **Shuo Yu**, Jing Ren, Shihao Li, Mehdi Naseriparsa, and Feng Xia. 2022. Graph Learning for Fake Review Detection. Frontiers in Artificial Intelligence 5.
13. Xu Yuan, Qihang Lei, **Shuo Yu***, Chengchuan Xu, and Zhikui Chen. 2022. Fine-grained relational learning for few-shot knowledge graph completion. ACM SIGAPP Applied Computing Review, Rev. 22, 3, 25–38.
14. **Shuo Yu**, Chengchuan Xu, Xiaomei Bai, Ranjith Kuncheerathodi, Selena Firmin, and Feng Xia. Deep Learning Meets Knowledge Graphs: A Comprehensive Survey. 06 September 2022, PREPRINT (Version 1), DOI: 10.21203/rs.3.rs-2021923/v1.

15. Qi Lin, **Shuo Yu**, Ke Sun, Wenhong Zhao, Osama Alfarraj, Amr Tolba, and Feng Xia. 2022. Robust Graph Neural Networks via Ensemble Learning. *Mathematics* 10, 8, 1300.
16. **Shuo Yu**, Sihan He, Zhen Cai, Ivan Lee, Mehdi Naseriparsa, and Feng Xia. 2022. Exploring Public Sentiment During COVID-19: A Cross Country Analysis. *IEEE Transactions on Computational Social Systems* 10, 3 (2023), 1083–1094.
17. Bedru, Hayat D., Chen Zhang, Feng Xie, **Shuo Yu***, and Iftikhar Hussain. 2023. CLARA: citation and similarity-based author ranking. *Scientometrics* 128, 1091–1117. DOI: 10.1007/s11192-022-04590-5.
18. Zhikui Chen, Yin Peng, **Shuo Yu***, Chen Cao, and Feng Xia. 2022. Subgraph Adaptive Structure-Aware Graph Contrastive Learning. *Mathematics* 10, 17, 3047. DOI: 10.3390/math10173047.
19. Wang, Lei, **Shuo Yu***, Falih Gozi Febrinanto, Fayez Alqahtani, and Tarek E. El-Tobely. Fairness-Aware Predictive Graph Learning in Social Networks. *Mathematics* 10, 15, 2696. DOI: 10.3390/math10152696.
20. Ke Sun, **Shuo Yu***, Ciyuan Peng, Yueru Wang, Osama Alfarraj, Amr Tolba, and Feng Xia. 2022. Relational Structure-Aware Knowledge Graph Representation in Complex Space. *Mathematics* 10, 11, 1930. DOI: 10.3390/math10111930.
21. **Shuo Yu**, Feng Xia, Chen Zhang, Haoran Wei, Kathleen Keogh, and Honglong Chen. 2022. Familiarity-based Collaborative Team Recognition in Academic Social Networks. *IEEE Transactions on Computational Social Systems* 9, 5, 1432–1445. DOI: 10.1109/TCSS.2021.3129054.
22. Qi Lin, **Shuo Yu**, Ke Sun, Wenhong Zhao, Osama Alfarraj, Amr Tolba, and Feng Xia. 2022. Robust Graph Neural Networks via Ensemble Learning. *Mathematics* 10, 8, 1300. DOI: 10.3390/math10081300.
23. **Shuo Yu**, Huafei Huang, Minh N. Dao, and Feng Xia. 2022. Graph Augmentation Learning. 2022. In *Companion Proceedings of the Web Conference 2022 (Virtual Event, Lyon, France) (WWW ' 22)*. Association for Computing Machinery, New York, NY, USA, 1063–1072. DOI: 10.1145/3487553.3524718.
24. Feng Xia, **Shuo Yu***, Chengfei Liu, Jianxin Li, and Ivan Lee. 2022. CHIEF: Clustering with Higher order Motifs in Big Networks. *IEEE Transactions on Network Science and Engineering* 9, 3, 990–1005. DOI: 10.1109/TNSE.2021.3108974.
25. Feng Xia, Ke Sun, **Shuo Yu**, Aziz, Abdul, Liangtian Wan, Shirui Pan, and Huan Liu. 2021. Graph Learning: A Survey. *IEEE Transactions on Artificial Intelligence* 2, 2, 109–127. DOI: 10.1109/TAI.2021.3076021.
26. Xu Yuan, Na Zhou, **Shuo Yu**, Huafei Huang, Zhikui Chen, and Feng Xia. 2021. Higher-order Structure Based Anomaly Detection on Attributed Networks. In *2021 IEEE International Conference on Big Data (IEEE BigData 2021)*. 2691–2700.
27. Nakema Y. Deonauth, Mingchu Li, **Shuo Yu**, and Xiangtai Chen. 2021. An Upstream-Reciprocity-Based Strategy for Academic Social Networks Using Public Goods Game. *IEEE Transactions on Computational Social Systems* 8, 6, 1417–1426. DOI: 10.1109/TCSS.2021.3085174.
28. **Shuo Yu**, Qing Qing, Chen Zhang, Ahsan Shehzad, Giles Oatley, and Feng Xia. 2021. Data-Driven Decision-Making in COVID-19 Response: A Survey. *IEEE Transactions on Computational Social Systems*, 8, 1016–1029. DOI: 10.1109/TCSS.2021.3075955.
29. Chen Cao, Shihao Li, **Shuo Yu***, and Zhikui Chen. 2021. Fake Reviewer Group Detection in Online Review Systems. In *2021 International Conference on Data Mining Workshops (ICDMW)*. 935–942.
30. **Shuo Yu**, Hayat Dino Bedru, Xinbei Chu, Yuyuan Yuan, Liangtian Wan, and Feng Xia. 2020. Understanding Serendipity in Science: A Survey. *Data Analysis and Knowledge Discovery*, 5, 1, 16–35. DOI: 10.11925/infotech.2096-3467.2020.1088.

31. **Shuo Yu**, Jiaying Liu, Feng Xia, and Haoran Wei, Hanghang Tong. 2020. How to optimize an academic team when the outlier member is leaving? *IEEE Intelligent Systems*, 36, 3, 23-30. DOI: 10.1109/MIS.2020.3042871.
32. **Shuo Yu**, Feng Xia, Jin Xu, Zhikui Chen, and Ivan Lee. 2020. OFFER: A Motif Dimensional Framework for Network Representation Learning. In *Proceedings of the 29th ACM International Conference on Information & Knowledge Management (Virtual Event, Ireland) (CIKM' 20)*. Association for Computing Machinery, New York, NY, USA, 3349–3352.
33. **Shuo Yu**, Feng Xia, Yuchen Sun, Tao Tang, Xiaoran Yan, and Ivan Lee. 2020. Detecting Outlier Patterns with Query-based Artificially Generated Searching Conditions, *IEEE Transactions on Computational Social Systems*, 8, 134-147. DOI: 10.1109/TCSS.2020.2977958.
34. Mingliang Liu, **Shuo Yu***, Xinbei Chu, and Feng Xia. 2020. CRI: Measuring City Infection Risk amid COVID-19. In *2020 IEEE Asia-Pacific Conference on Computer Science and Data Engineering (CSDE)*. 1–6. (Best Paper Award)
35. Jin Xu, **Shuo Yu**, Ke Sun, Jing Ren, Ivan Lee, Shirui Pan, and Feng Xia. 2020. Multivariate Relations Aggregation Learning in Social Networks. In *Proceedings of the ACM/IEEE Joint Conference on Digital Libraries in 2020 (Virtual Event, China) (JCDL' 20)*. Association for Computing Machinery, New York, NY, USA, 77–86. (**The Vannevar Bush Best Paper Honorable Mention**)
36. Hayat Dino, **Shuo Yu**, Liangtian Wan, Mengyang Wang, Kaiyuan Zhang, He Guo, and Iftikhar Hussain. 2020. Detecting leaders and key members of scientific teams in co-authorship networks, *Computers Electrical Engineering*, 85, 106703. DOI: 10.1016/j.compeleceng.2020.106703.
37. Hayat Dino Bedru, **Shuo Yu**, Xinru Xiao, Da Zhang, Liangtian Wan, He Guo, and Feng Xia. 2020. Big networks: A survey. *Computer Science Review*, 37, 100247. DOI: 10.1016/j.cosrev.2020.100247.
38. **Shuo Yu**, Yufan Feng, Da Zhang, Hayat Dino Bedru, Bo Xu, and Feng Xia. 2020. Motif discovery in networks: A survey. *Computer Science Review*, 37, 100267. DOI: 10.1016/j.cosrev.2020.100267.
39. Ke Sun, Jiaying Liu, **Shuo Yu**, Bo Xu, and Feng Xia. 2020. Graph Force Learning. In *2020 IEEE International Conference on Big Data (Big Data)*. 2987–2994.
40. **Shuo Yu**, Yuanhu Liu, Jing Ren, Hayat Dino Bedru, Teshome Megersa Bekele, Liangtian Wan, and Feng Xia. 2019. Mining Key Scholars via Collapsed Core and Truss. *The 4th Cyber Science and Technology Congress (CyberSciTech)*, 305-308.
41. **Shuo Yu**, Hayat Dino Bedru, Ivan Lee, and Feng Xia. 2019. Science of Scientific Team Science: A Survey. *Computer Science Review*, 31, 72-83. DOI: 10.1016/j.cosrev.2018.12.001.
42. Yufan Feng, **Shuo Yu**, Kaiyuan Zhang, Xiangli Li, and Zhaolong Ning. 2019. COMICS: a community property-based triangle motif clustering scheme. *PeerJ Computer Science*, 5, e180. DOI 10.7717/peerj-cs.180.
43. Feng Xia, Haoran Wei, **Shuo Yu**, Da Zhang, and Bo Xu. 2019. A Survey of Measures for Network Motifs. *IEEE Access*, 7, 106576-106587.
44. **Shuo Yu**, Feng Xia, and Huan Liu. 2019. Academic Team Formulation Based on Liebig' s Barrel: Discovery of Anti Cask Effect. *IEEE Transactions on Computational Social Systems*, 6, 1083-1094. DOI: 10.1109/TCSS.2019.2913460.
45. Kaiyuan Zhang, **Shuo Yu**, Liangtian Wan, Jianxin Li, and Feng Xia. 2019. Predictive Representation Learning in Motif-based Graph Networks. *The 32nd Australasian Joint Conference on Artificial Intelligence (AI2019)*, 177–188.

46. Bo Xu, Yu Liu, **Shuo Yu***, Lei Wang, Jie Dong, Hongfei Lin, Zhihao Yang, Jian Wang and Feng Xia. 2019. A Network Embedding Model for Pathogenic Genes Prediction by Multi-path Random Walking on Heterogeneous Network. *BMC Medical Genomics*, 12, 1-12. DOI:10.1186/s12920-019-0627-z.
47. Xiangjie Kong, Yajie Shi, **Shuo Yu**, Jiaying Liu, and Feng Xia. 2019. Academic Social Networks: Modeling, Analysis, Mining and Applications, *Journal of Network and Computer Applications*, 132, 86-103. DOI: 10.1016/j.jnca.2019.01.029.
48. Xiangjie Kong, Lei Liu, **Shuo Yu**, Andong Yang, Xiaomei Bai, and Bo Xu. 2019. Skill ranking of researchers via hypergraph. *PeerJ Computer Science* 5, e182. DOI 10.7717/peerj-cs.182.
49. Wei Wang, Bo Xu, Jiaying Liu, Zixin Cui, **Shuo Yu**, Xiangjie Kong, and Feng Xia. 2019. CSTeller: forecasting scientific collaboration sustainability based on extreme gradient boosting. *World Wide Web* 22, 6 (01 Nov 2019), 2749–2770. DOI: 10.1007/s11280-019-00703-y.
50. Xiangjie Kong, Mengyi Mao, Huizhen Jiang, **Shuo Yu**, and Liangtian Wan. 2019. How does Collaboration Affect Researchers' Positions in Co-authorship Networks? *Journal of Informetrics*, 13, 3 (Aug. 2019), 887–900. DOI: 10.1016/j.joi.2019.07.005.
51. **Shuo Yu**, Jiaying Liu, Zhuo Yang, Zhen Chen, Huizhen Jiang, Amr Tolba, and Feng Xia. 2018. PAVE: Personalized Academic Venue recommendation Exploiting co-publication networks. *Journal of Network and Computer Applications*, 104, 38–47. DOI: 10.1016/j.jnca.2017.12.004
52. Bo Xu, Yu Liu, **Shuo Yu**, Lei Wang, Lei Liu, Hongfei Lin, Zhihao Yang, Jian Wang, and Feng Xia. 2018. Multipath2vec: Predicting Pathogenic Genes via Heterogeneous Network Embedding. In 2018 IEEE International Conference on Bioinformatics and Biomedicine (BIBM). 951–956.
53. Wei Wang, **Shuo Yu**, Teshome Megersa Bekele, Xiangjie Kong, and Feng Xia. 2017. Scientific collaboration patterns vary with scholars' academic ages. *Scientometrics* 112, 1, 329–343. DOI: 10.1007/s11192-017-2388-9.
54. Li Liu, **Shuo Yu**, Xiang Wei, and Zhaolong Ning. 2018. An improved Apriori-based algorithm for friends recommendation in microblog. *International Journal of Communication Systems* 31, 2, e3453.
55. Lu Li, Wei Wang, **Shuo Yu**, Liangtian Wan, Zhenzhen Xu, and Xiangjie Kong. 2017. Detection of four-node motif in complex networks. In *Complex Networks & Their Applications VI*, Chantal Cherifi, Hocine Cherifi, Márton Karsai, and Mirco Musolesi (Eds.). Springer International Publishing, Cham, 453–462.
56. Wei Wang, Zixin Cui, Tong Gao, **Shuo Yu**, Xiangjie Kong, and Feng Xia. 2016. Is Scientific Collaboration Sustainability Predictable? In *Proceedings of the 26th International Conference on World Wide Web Companion (WWW' 17 Companion)*. International World Wide Web Conferences Steering Committee, Republic and Canton of Geneva, CHE, 853–854.
57. Lu Li, Wei Wang, **Shuo Yu**, Liangtian Wan, Zhenzhen Xu, and Xiangjie Kong. 2017. A Modified Node2vec Method for Disappearing Link Prediction. In 2017 IEEE 15th Intl Conf on Dependable, Autonomic and Secure Computing, 15th Intl Conf on Pervasive Intelligence and Computing, 3rd Intl Conf on Big Data Intelligence and Computing and Cyber Science and Technology Congress (DASC/PiCom/DataCom/CyberSciTech). 1232–123.
58. **Shuo Yu**, Feng Xia, Kaiyuan Zhang, Zhaolong Ning, Jiaofei Zhong, and Chengfei Liu. 2017. Team recognition in big scholarly data: Exploring collaboration intensity. In 2017 IEEE 15th Intl Conf on Dependable, Autonomic and Secure Computing, 15th Intl Conf on Pervasive Intelligence and Computing, 3rd Intl Conf on Big Data Intelligence and Computing and Cyber Science and Technology Congress (DASC/PiCom/DataCom/CyberSciTech). 925–932. (**Best Paper Award**)

59. Wei Wang, Jiaying Liu, **Shuo Yu**, Chenxin Zhang, Zhenzhen Xu, and Feng Xia. 2016. Mining advisor-advisee relationships in scholarly big data: A deep learning approach. In Proceedings of the 16th ACM/IEEE-CS on Joint Conference on Digital Libraries (JCDL' 16). Association for Computing Machinery, New York, NY, USA, 209–210.
60. Xiaoyan Su, Wei Wang, **Shuo Yu**, Chenxin Zhang, Teshome Megersa Bekele, and Feng Xia. 2016. Can academic conferences promote research collaboration? In Proceedings of the 16th ACM/IEEE-CS on Joint Conference on Digital Libraries (JCDL' 16). Association for Computing Machinery, New York, NY, USA, 231–232.
61. Jun Zhang, Feng Xia, Wei Wang, Xiaomei Bai, **Shuo Yu**, Teshome Megersa Bekele, and Zhong Peng. 2016. CocaRank: A Collaboration Caliber-based Method for Finding Academic Rising Stars. In Proceedings of the 25th International Conference Companion on World Wide Web (WWW' 16 Companion). International World Wide Web Conferences Steering Committee, Republic and Canton of Geneva, CHE, 395–400.
62. Jun Zhang, Zhaolong Ning, Xiaomei Bai, Wei Wang, **Shuo Yu**, and Feng Xia. 2016. Who are the Rising Stars in Academia? In Proceedings of the 16th ACM/IEEE-CS on Joint Conference on Digital Libraries (JCDL' 16). Association for Computing Machinery, New York, NY, USA, 211–212.
63. Yan Hu, Jun Zhang, Xiaomei Bai, **Shuo Yu**, and Zhuo Yang. 2016. Influence analysis of Github repositories. SpringerPlus. 5, 1, 1268.
64. Haifeng Liu, Zhuo Yang, Ivan Lee, Zhenzhen Xu, **Shuo Yu**, and Feng Xia. 2015. CAR: Incorporating Filtered Citation Relations for Scientific Article Recommendation. In 2015 IEEE International Conference on Smart City/SocialCom/SustainCom (SmartCity). 513–518.