**2019年发表学术论文**

## 1、国际期刊论文

1. Jinan Shen, Deqing Zou, Hai Jin, Bin Yuan, Weiqi Dai, "A Domain-divided Configurable Security Model for Cloud Computing-based Telecommunication Services", *Journal of Supercomputing*, vol.75, no.1, pp.109-122, 2019
2. Li Lin, Peng Li, Xiaofei Liao, Hai Jin, and Yu Zhang, "Echo: An Edge-Centric Code Offloading System with Quality of Service Guarantee", *IEEE Access*, no.7, pp.5905-5917, 2019
3. Haikun Liu, Bingsheng He, Xiaofei Liao, Hai Jin, "Towards Declarative and Data-centric Virtual Machine Image Management in IaaS Clouds", *IEEE Transactions on Cloud Computing*, vol.7, no.4, pp.1124-1138, 2019
4. Lin Gu, Jingjing Cai, Deze Zeng, Yu Zhang, Hai Jin, Weiqi Dai, "Energy Efficient Task Allocation and Energy Scheduling in Green Energy Powered Edge Computing", *Future Generation Computer Systems*, vol.39, pp.89-99, 2019
5. Song Wu, Fang Zhou, Xiang Gao, Hai Jin, Jinglei Ren, "Dual-Page Checkpointing: An Architectural Approach to Efficient Data Persistence for In-Memory Applications", *ACM Transactions on Architecture and Code Optimization*, vol.15, no.4, pp.57:1-27, 2019
6. Jun Chen, Chen Yu, Hai Jin, "Evaluation Model for Business Sites Planning based on Online and Offline Datasets", *Future Generation Computer Systems*, vol.91, pp.465-474, 2019
7. Xuanhua Shi, Zhixiang Ke, Yongluan Zhou, Hai Jin, Lu Lu, Xiong Zhang, Ligang He, Zhenyu Hu, Fei Wang, "Deca: a Garbage Collection Optimizer for In-memory Data Processing", *ACM Transactions on Computer Systems*, vol.36, no.1, pp.1-47, 2019
8. Xiaofeng Ding, Peng Liu, Hai Jin, "Privacy Preserving Multi-keyword Top-k Similarity Search Over Encrypted Data", *IEEE Transactions on Dependable and Secure Computing*, vol.16, no.2, pp.344-357, 2019
9. Fan Zhang, Hanhua Chen, Hai Jin, "Piggyback Game: Efficient Event Stream Dissemination in Online Social Network Systems", *IEEE Transactions on Parallel and Distributed Systems*, vol.30, no.3, pp.692-709, 2019
10. Hai Jin, Fei Chen, Song Wu, Yin Yao, Zhiyi Liu, Lin Gu, Yongluan Zhou, "Towards Low-Latency Batched Stream Processing by Pre-Scheduling", *IEEE Transactions on Parallel and Distributed Systems*, vol.30, no.3, pp.710-722, 2019
11. Bin Yuan, Deqing Zou, Shui Yu, Hai Jin, Weizhong Qiang, Jinan Shen, "Defending against Flow Table Overloading Attack in Software-Defined Networks", *IEEE Transactions on Services Computing*, vol.12, no.2, pp.231-246, 2019
12. Weizhong Qiang, Weifeng Li, Hai Jin, Jayachander Surbiryala, "Mpchecker: Use-After-Free Vulnerabilities Protection Based on Multi-Level Pointers", *IEEE Access*, vol.7, pp.45961-45977, 2019
13. Xiaoyuan Wang, Haikun Liu, Xiaofei Liao, Ji Chen, Hai Jin, Yu Zhang, Long Zheng, Bingsheng He, and Song Jiang, "Supporting Superpages and Lightweight Page Migration in Hybrid Memory Systems", *ACM Transactions on Architecture and Code Optimization*, vol.16, no.2, pp.11:1-26, 2019
14. Dezhong Yao, Chen Yu, Laurence T. Yang, Hai Jin, "Using Crowdsourcing to Provide QoS for Mobile Cloud Computing", *IEEE Transactions on Cloud Computing*, vol.7, no.2, pp.344-356, 2019
15. Deqing Zou, Jian Zhao, Weiming Li, Yueming Wu, Weizhong Qiang, Hai Jin, Ye Wu, and Yifei Yang, "A Multigranularity Forensics and Analysis Method on Privacy Leakage in Cloud Environment", *IEEE Internet of Things Journal*, vol.6, no.2, pp.1484-1494, 2019
16. Yu Zhang, Jin Zhao, Xiaofei Liao, Hai Jin, Lin Gu, Haikun Liu, Bingsheng He, Ligang He, "CGraph: A Distributed Storage and Processing System for Concurrent Iterative Graph Analysis Jobs", *ACM Transactions on Storage*, vol.15, no.2, pp.10:1-26, 2019
17. Chuangyi Gui, Long Zheng, Bingsheng He, Cheng Liu, Xinyu Chen, Xiaofei Liao, Hai Jin, "A Survey on Graph Processing Accelerators: Challenges and Opportunities", *Journal of Computer Science and Technology*, vol.34, no.3, pp.339-371, 2019
18. Xiaofei Liao, Yu Huang, Long Zheng, Hai Jin, "Efficient Time-Evolving Stream Processing at Scale", *IEEE Transactions on Parallel and Distributed Systems*, vol.30, no.10, pp.2165-2178, 2019
19. Yusheng Hua, Xuanhua Shi, Hai Jin, Wei Liu, Yan Jiang, Yong Chen, Ligang He, "Software-defined QoS for I/O in exascale computing", *CCF Transactions on High Performance Computing*, vol.1, no.1, pp.49-59, 2019
20. Hai Jin, Yi Luo, Chenjing Gao, Xunzhu Tang, Pingpeng Yuan, "ComQA: Question Answering Over Knowledge Base via Semantic Matching", *IEEE Access*, vol.7, pp. 75235-75246, 2019
21. Fang Zhou, Song Wu, Youchuang Jia, Xiang Gao, Hai Jin, Xiaofei Liao and Pingpeng Yuan, "VAIL: A Victim-Aware Cache Policy to Improve NVM Lifetime for Hybrid Memory System", *Parallel Computing*, vol.87, pp.70-76, 2019
22. Lin Gu, Deze Zeng, Sheng Tao, Song Guo, Hai Jin, Albert Y. Zomaya, Weihua Zhuang, "Fairness-Aware Dynamic Rate Control and Flow Scheduling for Network Utility Maximization in Network Service Chain", *IEEE Journal on Selected Areas in Communications*, vol.37, no.5, pp.1059-1071, 2019
23. Saqib Qamar, Hai Jin, Ran Zheng, Parvez Ahmad, "Multi Stream 3D Hyper-densely Connected Network for Multi Modality Isointense Infant Brain MRI Segmentation", *Multimedia Tools and Applications*, vol.78, no.18, pp.25807-25828, 2019
24. Feng Zhao, Yu Shen, Xiangyu Gui, Hai Jin, "SDBPR: Social Distance-aware Bayesian Personalized Ranking for Recommendation", *Future Generation Computer Systems*, vol.95, no.6, pp.372-381, 2019
25. Xinqiao Lv, Wei Xiao, Yu Zhang, Xiaofei Liao, Hai Jin, Qiangsheng Hua, "An Effective Framework for Asynchronous Incremental Graph Processing", *Frontiers of Computer Science*, vol.13, no.3, pp.539-551, 2019
26. Qiang-Sheng Hua, Yangyang Li, Dongxiao Yu, Hai Jin, "Quasi-Streaming Graph Partitioning: A Game Theoretical Approach", *IEEE Transactions on Parallel Distributed System*, vol.30, no.7, pp.1643-1656, 2019
27. Zhen Li, Deqing Zou, Jing Tang, Zhihao Zhang, Mingqian Sun, and Hai Jin, "A Comparative Study of Deep Learning-Based Vulnerability Detection System", *IEEE Access*, vol.7, no., pp.103184-103197, 2019
28. Zhiyuan Shao, Zhenjie Mei, Xiaofeng Ding, Hai Jin, "BlockGraphChi: Enabling Block Update in Out-of-Core Graph Processing", *International Journal of Parallel Programming*, vol.47, no.4, pp.668-685, 2019
29. Wei Liu, Haikun Liu, Xiaofei Liao, Hai Jin, Yu Zhang, "NGraph: Parallel Graph Processing in Hybrid Memory Systems", *IEEE Access*, no.7, pp.103517-103529, 2019
30. Xiaofeng Ding, Wanlu Yang, Raymond Choo, Xiaoli Wang, Hai Jin, "Privacy-Preserving Similarity Joins using MapReduce", *Information Sciences*, pp.493:20-33, 2019
31. Feng Lu, Ziqian Shi, Lin Gu, Tianruo Yang, Hai Jin, "An Adaptive Multi-level Caching Strategy for Distributed Database System", *Future Generation Computer Systems*, vol.97, pp.61-68, 2019
32. Xiaofeng Ding, Li Wang, Zhiyuan Shao, Hai Jin, "Efficient Recommendation of De-identification Policies using MapReduce", *IEEE Transactions on Big Data*, vol.5, no.3, pp.343-354, 2019
33. Feng Lu, Lin Gu, Laurence Tianruo Yang, Liwen Shao, Hai Jin, "Mildip: an Energy Efficient Code Offloading Framework in Mobile Cloudlets", *Information Sciences*, vol.513, pp.84-97, 2019
34. Xiaofeng Ding, Yangling Ou, Jianhong Jia, Hai Jin, Jixue Liu, "Efficient Subgraph Search on Large Anonymized Graphs", *Concurrency and Computation: Practice and Experience*, vol.31, no.23, 2019
35. Wenbin Jiang, Yang Ma, Bo Liu, Haikun Liu, Bing Bing Zhou, Jian Zhu, Song Wu, and Hai Jin, "Layup: Layer-adaptive and Multi-type Intermediate-oriented Memory Optimization for GPU-based CNNs", *ACM Transactions on Architecture and Code Optimization*, vol.16, no.4, pp.39:1-23, 2019
36. Hai Jin, Chen Qian, Dongxiao Yu, Qiang-Sheng Hua, Xuanhua Shi, Xia Xie, "Parallel Computation of Hierarchical Closeness Centrality and Applications", *World Wide Web: Internet and Web Information Systems*, vol.22, no.6, pp.3047-3064, 2019
37. Li Lin, Xiaofei Liao, Hai Jin, Peng Li, "Computation Offloading Toward Edge Computing", *Proceedings of the IEEE* , vol.107, no.8, pp.1584-1607, 2019
38. Chenxi Li, Xiaofei Liao, Hai Jin, "Enhancing Application Performance via DAG-driven Scheduling in Task Parallelism for Cloud Center", *Peer-to-Peer Networking and Applications*, vol.12, no.2, pp.381-391, 2019
39. Xuepeng Fan, Xiaofei Liao, Hai Jin, "FunctionFlow: Coordinating Parallel Tasks", *Frontieers of Computer Science*, vol.13, no.1, pp.73-85, 2019
40. Xiang Shi, Xiaofei Liao, Dayang Zheng, Hai Jin, Haikun Liu, "VMBKS: a Shared Memory Cache System based on Booting Kernel in Cloud", *Journal of Supercomputing*, vol.75, no.1, pp.4-19, 2019

## 2、国际会议论文

1. Zhiyuan Shao, Ruoshi Li, Diqing Hu, Xiaofei Liao, Hai Jin, "Improving Performance of Graph Processing on FPGA-DRAM Platform by Two-level Vertex Caching", In *Proceedings of ACM/SIGDA International Symposium on Field-Programmable Gate Arrays (FPGA 2019)*, February 24-26, 2019, Monterey, USA, pp.320-329
2. Yu Huang, Long Zheng, Xiaofei Liao, Hai Jin, Pengcheng Yao, Chuangyi Gui, "RAGra: Leveraging Monolithic 3D ReRAM for Massively-Parallel Graph Processing", In *Proceedings of Design, Automation and Test in Europe Conference (DATE 2019)*, March 25-29, 2019, Florence, Italy, pp.1273-1276
3. Saqib Qamar, Hai Jin, Ran Zheng, Mohd Faizan, "Hybrid Loss Guided Densely Connected Convolutional Neural Network for Ischemic Stroke Lesion segmentation", In *Proceedings of International Conference for Convergence on Technology (I2CT 2019)*, March 29-31, 2019, Pune, India, pp.1-5
4. Weiqi Dai, Deshan Xiao, Hai Jin, Xia Xie, "A Concurrent Optimization Consensus System Based on Blockchain", In *Proceedings of 2019 the 26th International Conference on Telecommunications (ICT 2019)*, April 08-10, 2019, Hanoi, Vietnam, pp.244-248
5. Yu Zhang, Xiaofei Liao, Hai Jin, Bingsheng He, Haikun Liu, Lin Gu, "DiGraph: An Efficient Path-based Iterative Directed Graph Processing System on Multiple GPUs", In *Proceedings of the 2019 Architectural Support for Programming Languages and Operating Systems (ASPLOS 2019)*, April 13-17, 2019, Providence, USA, pp.601-614
6. Yang Xiao, Hong Huang, Feng Zhao, Hai Jin, "TPLP: Two-Phase Selection Link Prediction for Vertex in Graph Streams", In *Proceedings of the 23rd Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD2019) (PAKDD 2019)*, April 14-17, 2019, Macao, China, pp.514-525
7. Yinuo Li, Zhiyuan Shao, Dongxiao Yu, Xiaofei Liao, Hai Jin, "Fast Maximal Clique Enumeration for Real-World Graphs", In *Proceedings of International Conference on Database Systems for Advanced Applications (DASFAA 2019)*, April 22-25, 2019, Chiengmai, Thailand, pp.641-658
8. Qixia Zhang, Fangming Liu, Chaobing Zeng, "Adaptive Interference-Aware VNF Placement for Service-Customized 5G Network Slices", In *Proceedings of the 38th IEEE International Conference on Computer Communications (INFOCOM 2019)*, April 29-05.02, 2019, Paris, France, pp.2449-2457
9. Shutong Chen, Lei Jiao, Lin Wang, Fangming Liu, "An Online Market Mechanism for Edge Emergency Demand Response via Cloudlet Control", In *Proceedings of the 38th IEEE International Conference on Computer Communications (INFOCOM 2019)*, April 29-05.02, 2019, Paris, France, pp.2566-2574
10. Bin Gao, Zhi Zhou, Fangming Liu, Fei Xu, "Winning at the Starting Line: Joint Network Selection and Service Placement for Mobile Edge Computing", In *Proceedings of the 38th IEEE International Conference on Computer Communications (INFOCOM 2019)*, April 29-05.02, 2019, Paris, France, pp.1459-1467
11. Parvez Ahmad, Hai Jin, Saqib Qamar, Ran Zheng, Wenbin Jiang, Belal Ahmad, Mohd Usama, "3D Dense Dilated Hierarchical Architecture for Brain Tumor Segmentation", In *Proceedings of 2019 4th International Conference on Big Data and Computing (ICBDC 2019)*, May 10-12, 2019, Guangzhou, China, pp.1-8
12. Yuanyuan Tang, Bin Zhu, Xiaojing Ma\*, P. Takis Mathiopoulos, Xia Xie, and Hong Huang, "Decoding Homomorphically Encrypted FLAC Audio without Decryption", In *Proceedings of IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2019)*, May 12-17, 2019, Brighton, USA, pp.675-679
13. Wenbin Jiang, Geyan Ye, Laurence T. Yang, Jian Zhu, Yang Ma, Xia Xie, and Hai Jin, "A Novel Stochastic Gradient Descent Algorithm Based on Grouping over Heterogeneous Cluster Systems for Distributed Deep Learning", In *Proceedings of The 19th Annual IEEE/ACM International Symposium in Cluster, Cloud, and Grid Computing (CCGrid 2019)*, May 14-17, 2019, Larnaca, Cyprus, pp.391-398
14. Shunjie Zhou, Fan Zhang, Hanhua Chen, Hai Jin, Bing Bing Zhou, "FastJoin: a Skewness-Aware Distributed Stream Join System", In *Proceedings of 2019 IEEE International Parallel and Distributed Processing Symposium (IPDPS 2019)*, May 20-24, 2019, Rio de janeiro, Brazil, pp.1042-1052
15. Hao Fan, Song Wu, Shadi Ibrahim, Ximing Chen, Hai Jin, and Jiang Xiao, "NCQ-Aware I/O Scheduling for Conventional Solid State Drives", In *Proceedings of 2019 IEEE International Parallel and Distributed Processing Symposium (IPDPS 2019)*, May 20-24, 2019, Rio de janeiro, Brazil, pp.523-532
16. Zhuo Huang, Song Wu, Song Jiang, and Hai Jin, "FastBuild: Accelerating Docker Image Building for Efficient Development and Deployment of Container", In *Proceedings of the 35th International Conference on Massive Storage Systems and Technology (MSST 2019)*, May 20-24, 2019, Santa Clara, USA, pp.28-37
17. Weifeng Hao, Jiajie Zeng, Xiaohai Dai, Jiang Xiao, Qiang-Sheng Hua, Hanhua Chen, Kuan-Ching Li, Hai Jin, "BlockP2P: Enabling Fast Blockchain Broadcast with Scalable Peer-to-Peer Network Topology", In *Proceedings of International Conference on Green, Pervasive, and Cloud Computing (GPC 2019)*, May 26-28, 2019, Ubelandia, Brazil, pp.223-237
18. Lin Gu, Junjian Guan, Song Wu, Hai Jin, Jia Rao, Kun Suo, Deze Zeng, "CNTC: A Container Aware Network Traffic Control Framework", In *Proceedings of International Conference on Green, Pervasive, and Cloud Computing (GPC 2019)*, May 26-28, 2019, Ubelandia, Brazil, pp.208-222
19. Deqing Zou, Ju Yang, Zhen Li, Hai Jin, and Xiaojing Ma, "AutoCVSS: an Approach for Automatic Assessment of Vulnerability Severity Based on Attack Process", In *Proceedings of the 2019 International Conference on Green, Pervasive, and Cloud Computing (GPC 2019)*, May 26-28, 2019, Ubelandia, Brazil, pp.238-253
20. Yikai Xiao, Qixia Zhang, Fangming Liu, Jia Wang, Miao Zhao, Zhongxing Zhang, Jiaxing Zhang, "NFVdeep: Adaptive Online Service Function Chain Deployment
with Deep Reinforcement Learning", In *Proceedings of the 27th ACM/IEEE International Symposium on Quality of Service (IWQoS 2019)*, June 24-25, 2019, Phoenix, USA, pp.21:1-21:10
21. Weixiang Jiang, Ziyang Jia, Sirui Feng, Fangming Liu, Hai Jin, "Fine-grained Warm Water Cooling for Improving Datacenter Economy", In *Proceedings of the 46th International Symposium on Computer Architecture (ISCA 2019)*, June 24-25, 2019, Phoenix, USA, pp.474-486
22. Hang Huang, Jia Rao, Song Wu, Hai Jin, Kun Suo, and Xiaofeng Wu, "Adaptive Resource Views for Containers", In *Proceedings of the 28th International Symposium on High-Performance Parallel and Distributed Computing (HPDC 2019)*, June 24-28, 2019, Phoenix, USA, pp.243-254
23. Xiaohai Dai, Jiang Xiao, Wenhui Yang, Chaofan Wang, Hai Jin, "Jidar: A Jigsaw-like Data Reduction Approach Without Trust Assumptions for Bitcoin System", In *Proceedings of 2019 the 39th International Conference on Distributed Computing Systems (ICDCS 2019)*, July 07-09, 2019, Dallas, USA, pp.1317-1326
24. Fan Zhang, Hanhua Chen, Hai Jin, "Simois: A Scalable Distributed Stream Join System with Skewed Workloads", In *Proceedings of 2019 the 39th International Conference on Distributed Computing Systems (ICDCS 2019)*, July 07-09, 2019, Dallas, USA, pp.176-185
25. Feiyue Wang, Hanhua Chen, Liangyi Liao, Fan Zhang, Hai Jin, "The Power of Better Choice: Reducing Relocations in Cuckoo Filter", In *Proceedings of 2019 the 39th International Conference on Distributed Computing Systems (ICDCS 2019)*, July 07-09, 2019, Dallas, USA, pp.358-367
26. Pingpeng Yuan, Longlong Lin, Zhijuan Kou, Ling Liu, Hai Jin, "Big RDF Data Storage, Computation, and Analysis: A Strawman’s Arguments", In *Proceedings of the 39th IEEE International Conference on Distributed Computing Systems (ICDCS 2019)*, July 07-09, 2019, Dallas, USA, pp.1693-1703
27. Qiong Chen, Zimu Zheng, Chuang Hu, Dan Wang, Fangming Liu, "Data-driven Task Allocation for Multi-task Transfer Learning on the Edge", In *Proceedings of the 39th IEEE International Conference on Distributed Computing Systems (ICDCS 2019)*, July 07-09, 2019, Dallas, USA, pp.1040-1050
28. Lin Gu, Deze Zeng, Wei Li, Song Guo, Albert Y. Zomaya, Hai Jin, "Deep Reinforcement Learning based VNF Management in Geo-distributed Edge Computing", In *Proceedings of the 39th IEEE International Conference on Distributed Computing Systems (ICDCS 2019)*, July 07-09, 2019, Dallas, USA, pp.934-943
29. Song Wu, Die Hu, Shadi Ibrahim, Hai Jin, Jiang Xiao, Fei Chen, and Haikun Liu, "When FPGA-accelerator Meets Stream Data Processing in the Edge", In *Proceedings of the 39th IEEE International Conference on Distributed Computing Systems (ICDCS 2019)*, July 07-09, 2019, Dallas, USA, pp.1818-1829
30. Panpan Jin, Jian Guo, Yikai Xiao, Rong Shi, Yipei Niu, Fangming Liu, Chen Qian, Yang Wang, "PostMan: Rapidly Mitigating Bursty Traffic by Offloading Packet Processing", In *Proceedings of USENIX Annual Technical Conference (ATC 2019)*, July 10-12, 2019, Langdon, USA, pp.849-862
31. Jiang Xiao, Huichuwu Li, Yuxiang Liu, "WiWrite: Wi-Fi Based Handwriting Recognition like Playing Lego", In *Proceedings of 2019 28th International Conference on Computer Communication and Networks (ICCCN 2019)*, July 29-08.01, 2019, Valencia, Spain, pp.1-9
32. Ran Zheng, Kui Deng, Hai Jin, Haikun Liu, and Lanlan Zhang, "An Improved CNN-based Pneumoconiosis Diagnosis Method on X-ray Chest Film", In *Proceedings of 2019 the 13th International Conference on Human-Centered Computing (HCC 2019)*, August 05-09, 2019, Chachak, Serbia, pp.647-658
33. Adeel Aslam, Hanhua Chen, Jiang Xiao, Song Wu, Hai Jin, "Reasoning Based Virtual Machine Mapping Toward Physical Machine", In *Proceedings of 2019 the 13th International Conference on Human-Centered Computing (HCC 2019)*, August 05-09, 2019, Chachak, Serbia, pp.1-12
34. Haohan Pang, Peng Gan, Pingpeng Yuan, Hai Jin, Qiang-Sheng Hua, "Partitioning Large-Scale Property Graph for Efficient Distributed Query Processing", In *Proceedings of the 21st IEEE International Conference on High Performance Computing and Communications (HPCC 2019)*, August 10-12, 2019, Changsha, China, pp.1643-1650
35. Yusheng Yi, Jiang Xiao, Song Wu, Huichuwu Li, Hai Jin, "Failure Order: a Missing Piece in Disk Failure Processing of Data Centers", In P*roceedings of the IEEE 21st International Conference on High Performance Computing and Communications (HPCC 2019)*, August 10-12, 2019, Zhangjiajie, China, pp.223-230
36. Xia Xie, Jinpeng Li, Xiaoyang Hu, Hai Jin, Hanhua Chen, Xiaojing Ma, Hong Huang, "High Performance DDoS Attack Detection System Based on Distribution Statistics", In *Proceedings of International Conference on Network and Parallel Computing (NPC 2019)*, August 23-24, 2019, Hohhot, China, pp.132-142
37. Lin Gu, Qizhi Tang, Song Wu, Hai Jin, Yingxi Zhang, Guoqiang Shi, Tingyu Lin and Jia Rao, "N-Docker: a NVM-HDD Hybrid Docker Storage Framework to Improve Docker Performance", In *Proceedings of International Conference on Network and Parallel Computing (NPC 2019)*, August 23-24, 2019, Hohhot, China, pp.182-194
38. Chuangyi Gui, Long Zheng, Pengcheng Yao, Xiaofei Liao, Hai Jin, "Fast Triangle Counting on GPU", In *Proceedings of the IEEE High Performance Extreme Computing Conference (HPEC 2019)*, September 24-26, 2019, Waltham, USA, pp.1-8
39. Ke Wang，Xia Xie，Jiayu Sun， Wenzhi Cao, "Minimum Spanning Tree Clustering Based on Density Filtering", In *Proceedings of the 7th CCF BigData 2019 Conference (CCF BigData 2019)*, September 26-28, 2019, Wuhan, China, pp.209-223
40. Zhijuan Kou, Hua Wang, Pingpeng Yuan, Hai Jin, Xia Xie, "Predicting Friendship Using a Unified Probability Model", In *Proceedings of the 7th CCF BigData 2019 Conference (CCF BigData 2019)*, September 26-28, 2019, Wuhan, China, pp.1-8
41. Qureshi Muhammad Mudassar, Hanhua Chen, Hai Jin, "Modeling Distributed Stream Processing Systems Under Heavy Workload", In *Proceedings of 2019 International Conference on Cyberworlds (CW 2019)*, October 02-04, 2019, Kyoto, Japan, pp.93-100
42. Yueming Wu, XiaoDi Li, Deqing Zou, Wei Yang, Xin Zhang, and Hai Jin, "MalScan: Fast Market-Wide Mobile Malware Scanning by Social-Network Centrality Analysis", In *Proceedings of the 34th IEEE/ACM International Conference on Automated Software Engineering (ASE 2019)*, November 12-14, 2019, San Diego, USA
43. Jin Zhao, Yu Zhang, Xiaofei Liao, Ligang He, Bingsheng He, Hai Jin, Haikun Liu, Yicheng Chen, "GraphM: an Efficient Storage System for High Throughput of Concurrent Graph Processing", In *Proceedings of the 2019 International Conference for High Performance Computing, Networking, Storage, and Analysis (SC 2019)*, November 16-24, 2019, Denver, USA, pp.3:1-3:14
44. Zhuohui Duan, Haikun Liu, Xiaofei Liao, Hai Jin, Wenbin Jiang and Yu Zhang, "HiNUMA: NUMA-aware Data Placement and Migration in Hybrid Memory Systems", In *Proceedings of the 37th IEEE International Conference on Computer Design (ICCD 2019)*, November 17-20, 2019, Abu Dhabi, UAE
45. Junfang Wu, Weizhong Qiang, Tianqing Zhu, Hai Jin, Peng Xu and Sheng Shen, "Differential Privacy Preservation for Smart Meter Systems", In *Proceedings of the 19th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2019)*, December 09-11, 2019, Melbourne, Australia
46. Adeel Aslam, Hanhua Chen, Hai Jin, "Reasoning Based Workload Performance Prediction in Cloud DataCenters", In *Proceedings of 2019 Asia-Pacific Services Computing Conference (APSCC 2019)*, December 11-13, 2019, Sydney, Australia
47. Jiajie Zeng, Xiaohai Dai, Jiang Xiao, Wenhui Yang, Weifeng Hao, Hai Jin, "BookChain: Library-free Book Sharing Based on Blockchain Technology", In *Proceedings of International Conference on Mobile Ad-hoc and Sensor Networks (MSN 2019)*, December 11-13, 2019, Shenzhen, China
48. Yuxiang Liu, Huichuwu Li, Jiang Xiao, Hai Jin, "FLoc: Fingerprint-based Indoor Localization System under a Federated Learning Updating Framework", In *Proceedings of International Conference on Mobile Ad-hoc and Sensor Networks (MSN 2019)*, December 11-13, 2019, Shenzhen, China

## 3、国内期刊论文

1. 吴松、王坤、金海，操作系统虚拟化的研究现状与展望，《计算机研究与发展》，2019，56(1)：58-68
2. 廖小飞、陈意诚、张宇、金海、刘海坤、赵进，一种高效的面向动态有向图的增量强连通分量算法，《中国科学:信息科学》，2019，49(8): 988-1004
3. 华强胜、郑志高、胡振宇、钟芷漫、林昌富、赵峰、金海、石宣化，大数据基础理论与系统关键技术浅析，《数据与计算发展前沿》，2019，1(1): 22-34
4. 蒋文斌、彭晶、叶阁焰，深度学习自适应学习率算法研究，《华中科技大学学报（自然科学版）》，2019，47(5): 79-83

## 4、出版专著、编著等

1. 金海、徐鹏、邹德清，《中国网络空间安全前沿科技发展报告（2018）》，人民邮电出版社，2019年2月，ISBN：978-711-55-0304-6
2. 郑然、邵志远、谢美意译，《操作系统精髓与设计原理（第8版）》，人民邮电出版社，2019年1月，ISBN：978-711-54-7702-6
3. Hai Jin, Xuemin Lin, Xueqi Cheng, Xuanhua Shi, Nong Xiao, Yihua Huang (Eds.), Big Data, Proceedings of the 7th CCF Conference on Big Data (CCF BigData 2019), Wuhan, China, September 26-28, 2019, Springer, CCIS 1120, ISBN: 978-981-15-1898-0
4. Xueming Si, Hai Jin, Yi Sun, Jianming Zhu, Liehuang Zhu, Xianhua Song, Zeguang Lu (Eds.), Blockchain Technology and Application，Proceedings of 2019 CCF China Blockchain Conference (CCF CBCC 2019)，Chengdu，China，October 11-13, 2019, Springer, CCIS 1176, ISBN: 978-981-15-3278-8