

ALL SELECTED PUBLICATIONS

(1) Fully Refereed Journal Papers

1. C. Chen, R. Sun, X. Wang, W. Zhang, X. LIN, Clique Identification in Signed Graphs: A Balance Theory based Model, to appear in IEEE Transactions on Knowledge and Data Engineering, TKDE. (accepted in April 2023, CCFA)
2. Q. Sun, W. Zhang, X. LIN, Progressive Hard Negative Masking: From Global Uniformity to Local Tolerance, to appear in IEEE Transactions on Knowledge and Data Engineering, TKDE. (accepted in April 2023, CCFA. Corresponding Author LIN)
3. C. Chen, J. Yu, X. Wang, W. Zhang, X. LIN, Neural Similarity Search on Supergraph Containment, to appear in IEEE Transactions on Knowledge and Data Engineering, TKDE. (accepted in May 2023, CCFA)
4. F. Zhang, H. Guo, Size-constrained Community Search on Large Networks: An Effective and Efficient Solution, to appear in IEEE Transactions on Knowledge and Data Engineering, TKDE. (accepted in May 2023, CCFA)
5. K. Wang, G. Zhao, W. Zhang, X. LIN, Y. Zhang, C. Liu, Cohesive Subgraph Discovery over Uncertain Bipartite Graphs, IEEE Transactions on Knowledge and Data Engineering, TKDE, (01): 1-14 (2023). (CCFA)
6. J. Yang, Y. Peng, D. Ouyang, W. Zhang, X. LIN, X. Zhao, (p,q) -biclique counting and enumeration for large sparse bipartite graphs, to appear in VLDBJ (accepted in Dec, 2022). (CCFA)
7. L. Yuan, Z. Chen, X. LIN, L. Qin, W. Zhang, Balanced Clique Computation in Signed Networks: Concepts and Algorithms, to appear in IEEE Transactions on Knowledge and Data Engineering (TKDE) (accepted in Nov, 2022). (CCFA)
8. R. Huang, J. Wang, S. Song, X. LIN, X. ZHU, J. Pei, Efficiently Cleaning Structured Event Logs: A Graph Repair Approach, ACM Transactions on Database Systems (TODS), 48(1):3:1-3:44 (2022). (CCFA)
9. J. Wang, J. Yang, C. Zhang, X. LIN, Efficiently Maximum Edge-Weighted Biclique Search on Large Bipartite Graphs, to appear in IEEE Transactions on Knowledge and Data Engineering (TKDE) (accepted in Oct, 2022). (CCFA)
10. Y. Mao, Z. Wang, W. Liu, X. LIN, Wenbin Hu, Regularized Multi-Task Learning, to appear in IEEE Transactions on Knowledge and Data Engineering (TKDE) (accepted in Sept, 2022). (CCFA)
11. Z. Chen, Y. Zhao, C. Chen, X. Wang, X. LIN, W. Zhang, Finding the Maximum K-Balanced Biclique on Weighted Bipartite Graphs, to appear in IEEE Transactions on Knowledge and Data Engineering (TKDE) (accepted in Sept, 2022). (CCFA)
12. Q. Luo, D. Yu, Z. Cai, X. LIN, G. Wang, X. Chen, Towards Maintenance of k-Hypercores in Large-Scale Dynamic Hypergraphs, to appear in VLDB journal accepted in Aug 2022). (CCFA)
13. Chenji Huang, Yixiang Fang, Xuemin Lin, Xin Cao, Wenjie Zhang: ABLE: Meta-Path Prediction in Heterogeneous Information Networks. ACM Trans. Knowl. Discov. Data 16(4): 73:1-73:21 (2022). (CCFA)
14. Chenhao Ma, Yixiang Fang*, Reynold Cheng, Laks V.S. Lakshmanan, Wenjie Zhang, Xuemin Lin. "On Directed Densest Subgraph Discovery", ACM Transactions on

- Database Systems (TODS), 46(3):13:1-13:45, 2021. (CCFA)
15. You Peng, Xuemin Lin, Ying Zhang, Wenjie Zhang, Lu Qin: Answering reachability and K-reach queries on large graphs with label constraints. VLDB J. 31(1): 101-127 (2022). (CCFA)
 16. W. Li, M. Qiao, L. Qin, Y. Zhang, L. Chang, X. LIN, Distance Labeling: On Parallelism, Compression, and Ordering. VLDB Journal 31(1), 129-155, 2022. (CCFA)
 17. B. Lyu, L. Qin, Xuemin Lin, Y. Zhang, Z. Qian, J. Zhou, Maximum and Top-k Diversified Biclique Search at Scale, VLDBJ 31, 1365–1389 (2022). (CCFA)
 18. Z. Huang, X. Lin, W. Zhang, Y. Zhang, Communication- Efficient Distributed Covariance Sketch, with Application to Distributed PCA, JMLR,22(1):80:3643-80:3680 (2021). (CCFA)
 19. K. Wang, X. Lin, L. Qin, W. Zhang, Y. Zhang, Towards Efficient Solutions of Bitruss Decomposition for Large-scale Bipartite Graphs, VLDBJ 31, 203–226 (2022). (CCFA)
 20. H. Zhang, Z. Huang, X. Lin, W. Zhang, Y. Zhang, Efficient and High-Quality Seeded Graph Matching: Employing Higher-order Structural Information, TKDD,15(3):51:1-51:31,(2020).
 21. W. Zeng, X. Zhao, J. Tang, X. Lin, P. Groth, Reinforcement Learning based Collective Entity Alignment with Adaptive Features, TOIS,39(3):26:1-26:31(2020).
 22. M. Cheema, X. Lin, W. Zhang. Y. Zhang, Continuous Monitoring of Moving Skyline and Top-k Queries, VLDBJ 31, 459–482 (2022). (CCFA)
 23. X. Chen, L. Lai, L. Qin, X. Lin, Efficient Structural Node Similarity Computation on Billion-scale Graphs, VLDBJ 30, 471–493 (2021). (CCFA)
 24. B. Liu, L. Yuan, X. LIN, L. Qin, W. Zhang, J. Zhou, Efficient (alpha, beta)-core Computation in Bipartite Graphs, VLDBJ volume 29, 1075–1099 (2020). (CCFA)
 25. Yixiang Fang, Xin Huang, Lu Qin, Ying Zhang, Wenjie Zhang, Reynold Cheng, Xuemin LIN. A Survey of Community Search Over Big Graphs, VLDBJ 29, 353-392, 2020. (CCFA)
 26. F. Zhang, X. LIN, Y. Zhang, L. Qing, W. Zhang, Efficient Community Discovery with User Engagement and Similarity, VLDBJ 28, 987-1012(2019). (CCFA)
 27. D. Wen, L. Qin, Y. Zhang, L. Chang, X. LIN, Efficient Structural Graph Cslustering: An Index-Based Approach, VLDBJ 28, 377-399(2019). (CCFA)
 28. Wen Li, Ying Zhang, Yifang Sun, Wei Wang, Mingjie Li, Wenjie Zhang, and XUEMIN LIN, "Approximate Nearest Neighbor Search on High Dimensional Data Experiments, Analyses, and Improvement", TKDE 32(8): 1475 - 1488, 2019. (CCFA)
 29. W. Yu, X. LIN, W. Zhang, J. Pei, and J. McCann, SimRank*: Efficient and Scalable Pairwise Similarity Search Based on Graph Topology, VLDBJ 28, 401-426(2019). (CCFA)
 30. X. Wang, L. Qin, X. LIN, Y. Zhang, L. Chang, Leveraging Set Relations in Exact and Dynamic Set Similarity Join, VLDBJ 28: 267-292(2019). (CCFA)
 31. B. Lv, L. Qin, X. LIN, L. Chang, J. Yu, Supergraph Search in Graph Databases vis Hierarchical Feature-Tree, TKDE, 31(2): 385-400(2018). (CCFA)
 32. D. Wen, L. Qin, Y. Zhang, X. LIN, J. Yu, I/O Efficient Core Graph Decomposition: Application to Degeneracy Ordering, TKDE, 31(1): 75-90(2018) (Best Paper Award in ICDE 2016). (CCFA)

33. J. Yang, W. Zhang, S. Yang, Y. Zhang, X. LIN, L. Yuan, Efficient Set Containment Join, VLDBJ 27, 471-495(2018). (CCFA)
34. Y. Chen, X. Zhao, X. LIN, Y. Wang, D. Guo, Efficient Mining of Frequent Patterns on Uncertain Graphs, TKDE, 31(2): 287-300(2018). (CCFA)
35. W. Yu, X. LIN, W. Zhang, and J. McCann. Dynamical SimRank Assessment on Time-Varying Networks, VLDBJ 27, 79-104(2018). (CCFA)
36. X. Zhao, C. Xiao, X. LIN, Wenjie Zhang, Yan Wang, Efficient Structure Similarity Searches: A Partition-Based Approach, VLDBJ 27, 53-78(2018). (CCFA)
37. L. Yuan, L. Qin, X. LIN, L. Chang, W. Zhang, I/O Efficient ECC Graph Decomposition via Graph Reduction, VLDBJ 26, 275-300(2017). (CCFA)
38. X. Wang, Y. Zhang, W. Zhang, X. LIN, Efficient Distance-Aware Influence Maximization in Geo-social Networks, TKDE 29(3): 599-612(2017). (CCFA)
39. X. Wang, Y. Zhang, W. Zhang, X. LIN, C. Chen, Bring Order into the Samples: A Novel Scalable Method for Influence Maximization, TKDE, 29(2): 243-256(2017). (CCFA)
40. Xiang Wang, Wenjie Zhang, Ying Zhang, XUEMIN LIN, Zengfeng Huang, Top-k Spatial keyword Publish/Subscribe Over Sliding Window, VLDBJ 26(3): 301-326, 2017. (CCFA)
41. J. Lu, Z. Gong, X. LIN, A Novel and Fast SimRank Algorithm, TKDE 29(30): 572-585, 2017. (CCFA)
42. X. Wang, Y. Zhang, W. Zhang, X. LIN, Efficient Identification of Local Keyword Patterns in Microblogging Platforms, IEEE Transactions on Knowledge and Data Engineering TKDE 28(10): 2621-2634, 2016. (CCFA)
43. S. Yang, M.A. Cheema, X. LIN, Y. Zhang, W. Zhang, Reverse k nearest neighbors queries and spatial reverse top-k queries, VLDB Journal VLDBJ 26(2):151-176, 2017. (CCFA)
44. S. Song, J. Wang, X. Zhu, X. LIN, J. Sun, Efficient Recovery of Missing Events, IEEE Transactions on Knowledge and Data Engineering TKDE 28(11): 2943-2957, 2016. (CCFA)
45. Y. Wang, W. Zhang, L. Wu, X. LIN, X. Zhao, Unsupervised Metric Fusion over Multi-view Data by Graph Random Walk based Cross-view Diffusion, IEEE Transactions on Neural Networks and Learning Systems TNNLS 28(1): 57-70, 2017. (CCFA)
46. W. Zhang, X. LIN, Y. Zhang, K. Zhu, G. Zhu, Efficiently Probabilistic Supergraph Search, IEEE Transactions on Knowledge and Engineering TKDE 28(4): 965-978, 2016. (CCFA)
47. X. Zhou, J. Qin, W. Wang, C. Xiao, X. LIN, BEVA: An Efficiently Query Processing Algorithm for Error Tolerant Autocompletion, ACM TODS 41(1): 5:1-5:44, 2016. (CCFA)
48. L. Yuan, L. Qin, X. LIN, L. Chang, W. Zhang, Diversified Top-K Clique Search, VLDBJ 25(2): 171-196, 2016. (CCFA)
49. Z. Yu, H. Wang, X. LIN, M. Wang, Understanding Short Texts through Semantic Enrichment and Hashing, IEEE Transactions on Knowledge and Data Engineering TKDE 28(2): 566-579, 2016. (CCFA)
50. X. Wang, Y. Zhang, W. Zhang, X. LIN, W. Wang, AP-Tree: Efficiently Support Location-aware Publish/Subscribe, VLDBJ 26(3): 301-326, 2017. (CCFA)

51. Y. Wang, X. LIN, L. Wu, W. Zhang, X. Huang, Q. Zhang, Robust Subspace Clustering for Multi-view Data by Exploiting Correlation Consensus, *IEEE Transactions on Image Processing TIP* 24(11): 3939-3949, 2015. (CCFA)
52. Y. Zhang, L. Zhan, W. Zhang, X. LIN, Finding Top k Most Influential Spatial Facilities over Uncertain Objects, *IEEE Transactions on Knowledge and Data Engineering TKDE* 27(12): 3289-3303, 2015. (CCFA)
53. S. Yang, A.M. Cheema, and X. LIN, Impact Set: Computing Influence Using Query Log, *Computer Journal* 58(11): 2928-2943, 2015. (CCFA)
54. Z. Zhang, J.X. Yu, L. Qin, L. Chang, X. LIN, I/O Efficiently: Computing SCCs in Massive Graphs, *VLDB Journal* 24(2): 245-270, 2015. (CCFA)
55. Weiren Yu, Xuemin LIN, Wenjie Zhang, J. A. McCann, Fast All-Pairs SimRank Assessment on Large Graphs and Bipartite Domains, *IEEE Transactions on Knowledge and Data Engineering TKDE* 27(7): 1810-1823, 2015. (CCFA)
56. M.A. Cheema, X. LIN, H. Wang, J. Wang, W. Zhang, A Unified Framework for Answering k Closest Pairs Queries and Variants, *IEEE Transactions on Knowledge and Data Engineering* 26(11):2610-2624, (2014).
57. Shenlu Wang, Muhammad Aamire Cheema, Xuemin LIN, Efficiently Monitoring Reverse k Nearest Neighbors in Spatial Networks, *Computer Journal* 58(1): 40-56, 2015.
58. Jianbin Qin, Wei Wang, Yifei Lu, Chuan Xiao, Xuemin LIN, Haixun Wang, Asymmetric Signature Schemes for Efficient Exact Edit Similarity Query Processing, *TODS* 38(3): 1-44 (2013). (CCFA)
59. Xiang Zhao, Chuan Xiao, Xuemin LIN, Wei Wang, Y. Ishikawa, Efficient Processing of Graph Similarity Queries with Edit Distance Constraints, *VLDBJ*, 22(6): 727-752 (2013). (CCFA)
60. Yuanyuan Zhu, Lu Qin, Jeffrey Yu, Yiping Ke, XUEMIN LIN, High Efficiency and Quality: Large Graphs Matching, *VLDBJ* 22(3): 345-368 (2013). (CCFA)
61. Wenjie Zhang, Liming Zhan, Ying Zhang, Muhammad Aamir Cheema, XUEMIN LIN, Efficient Top-k Similarity Join Processing over Multi-valued Objects, *WWW Journal* 17(3): 285-309 (2014).
62. Bin Jiang, Jian Pei, Yufei Tao, XUEMIN LIN, Clustering Uncertain Data based on Probability Distribution Similarity, *TKDE* 25(4): 751-763 (2013). (CCFA)
63. Ying Zhang, Wenjie Zhang, Qianlu Lin, Xuemin LIN, Heng Tao Shen, Effectively Indexing the Multi-dimensional Uncertain Objects, *TKDE* 26(3): 608-622, 2014. (CCFA)
64. Qianlu Lin, Ying Zhang, Wenjie Zhang, Xuemin Lin, Efficient General Spatial Skyline Computation, *WWW Journal* 16(3): 247-270 (2013).
65. Chunyang Ma, Rui Zhang, Xuemin Lin, Gang Chen. DuoWave: Mitigating the curse of dimensionality for uncertain data. *Data and Knowledge Engineering (TDKE)*, 76: 16-38, 2012. (CCFA)
66. Ying Zhang, Wenjie Zhang, Jian Pei, XUEMIN LIN, Qianlu Lin, Aiping Li, Consensus-based Ranking of Multi-valued Objects: A Generalized Borda Count Approach, *TKDE* 26(1): 83-96 (2014). (CCFA)
67. Wei Cheng, Xiaoming Jin, Jian-Tao Sun, XUEMIN LIN, Xiang Zhang, and Wei Wang,

- Searching Dimension Incomplete Databases, TKDE 26(3): 725-738, 2014. (CCFA)
68. Zhitao Shen, Muhammad A. Cheema, Xuemin LIN, Wenjie Zhang, Haixun Wang, A Generic Framework for Top-k Pairs and Top-k Objects Queries over Sliding Windows, IEEE Transactions on Knowledge and Data Engineering (TKDE) 26(6): 1349-1366, 2014. (CCFA)
 69. Qing Liu, Xiang Zhao, Kerry Taylor, Xuemin LIN, Geoffrey Squire, Corne Kloppers, Richard Miller: Towards semantic comparison of multi-granularity process traces. Knowl.-Based Syst. 52: 91-106 (2013).
 70. Wenjie Zhang, Muhammad Aamir Cheema, Ying Zhang, Xuemin LIN, Skyline: Stacking Optimal Solutions in Exact and Uncertain Worlds, International Journal of Software and Informatics 6(4): 475-493 (2012). (invited paper)
 71. Wei Wang, Jianbin Qin, Chuan Xiao, XUEMIN LIN, Hengtao Shen, VChunkJoin: An Efficient Algorithm for Edit Similarity Joins, IEEE Transactions on Knowledge and Data Engineering (TKDE) 25(8): 1916-1929 (2013). (CCFA)
 72. Wenjie Zhang, XUEMIN LIN, Ying Zhang, Muhammad A. Cheema, Qing Zhang, "Stochastic Skylines", TODS 37(2): 14 (2012). (CCFA)
 73. Wenjie Zhang, XUEMIN LIN, Ying Zhang, Wei Wang, Gaoping Zhu, Jeffrey X. Yu, Probabilistic Skyline Operator over Sliding Windows, Information Systems 38(8): 1212-1233, 2013.
 74. Muhammad A. Cheema, Wenjie Zhang, XUEMIN LIN, Ying Zhang "Efficiently Processing Snapshot and Continuous Reverse k Nearest Neighbors Queries", VLDB Journal (VLDBJ) 21(5): 703-728 (2012). (CCFA)
 75. Yang Wang, Lin Wu, Xiaodi Huang, XUEMIN LIN, Human Action Recognition from Video Sequences by Enforcing Tri-view Constraints, The Computer Journal 55(9): 1030-1040 (2012).
 76. Muhammad A. Cheema, Wenjie Zhang, XUEMIN LIN, Ying Zhang, Xuefei Li, Continuously Reverse k Nearest Neighbors Queries in Euclidean Space and in Spatial Networks, VLDB Journal (VLDBJ) 21(1), 69-95, 2012. (CCFA)
 77. Y. Zhang, X. LIN, Y. Tao, W. Zhang, H. Wang, Efficient Computing of Range Aggregates against Uncertain Location based Queries, IEEE Transactions on Knowledge and Data Engineering (TKDE) 24(7): 1244-1258 (2012). (CCFA)
 78. Chuan Xiao, Wei Wang, XUEMIN LIN, Jeffrey Xu Yu, Guoren Wang: Efficient Similarity Joins for Near Duplicate Detection. ACM Transactions on Database Systems (TODS), 36(3), 2011. (CCFA)
 79. Y. Luo, W. Wang, X. LIN, X. Zhou, J. Wang, K. Li, SPARK2: Top-k Keyword Query in Relational Databases, IEEE Transactions on Data Engineering (TKDE 23(12): 1763-1780 (2011). (CCFA)
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 81. W. Yu, W. Zhang, X. LIN, Q. Zhang, J. Le, A Space and Time Efficient Algorithm for SimRank Computation, WWW Journal 15(3): 327-353 (2012).
 82. B. Jiang, J. Pei, X. LIN, Y. Yuan, Probabilistic Skylines on Uncertain Data: Model and Bounding-Pruning-Refining Methods, Journal of Intelligent Information Systems

- 38(1): 1-39(2012).
83. Y. Zhang, W. Zhang, X. LIN, J. Pei, B. Jiang, Ranking Uncertain Sky: the Probabilistic Top-k Skyline Operator, *Information Systems* 36(5): 898-915 (2011).
 84. M. Hua, J. Pei, X. LIN, Ranking Queries on Uncertain Data, *VLDB Journal* 20(1): 129-153 (2011). (CCFA)
 85. Y. Zhang, X. LIN, W. Zhang, J. Wang, Q. Lin, Effectively Indexing the Uncertain Space, *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 22(9): 1247-1261. (CCFA)
 86. Wenjie Zhang, XUEMIN LIN, Ying Zhang, Jian Pei, Wei Wang, Threshold-based Probabilistic Top-k Dominating Queries, *VLDB Journal* 19(2): 283-305, 2010. (CCFA)
 87. C. Jin, K. Yi, L. Chen, J.X. Yu, X. LIN, Sliding-Window Top-k Queries on Uncertain Streams, *VLDB Journal* 19(3): 411-435, 2010. (CCFA)
 88. Muhammad Aamir Cheema, Xuemin LIN, Wei Wang, Wenjie Zhang, Jian Pei, Probabilistic Reverse Nearest Neighbor Queries on Uncertain Data, *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 22(4): 550-564, 2010. (CCFA)
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 90. M. Hua, J. Pei, A. Fu, X. LIN, H.F. Leung, Top-k Typicality Queries and Efficient Query Answering Methods on Large Databases, *VLDB Journal* 18(3): 809-835, 2009. (CCFA)
 91. H. Wang, J. Li, W. Wang, X. LIN, Coding-based Join Algorithms for Structural Queries on Graph-Structured XML Document, 11(4), 485 - 510, *World Wide Web Journal*, 2008.
 92. B. Wang, X.C. Yang, G.R. Wang, G. Yu, L. Chen, X.S. Wang, X. LIN, Continually Answering Constraint K-NN Queries in Unstructured P2P Systems, *Journal of Computer Science and Technology*, 23(4), 538-556, 2008.
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 94. X. LIN, Q. Zhang, Y. Yuan, and Q. Liu, Error Minimization in Approximate Range Aggregates, *Data and Knowledge Engineering (TDKE)* 62(1), 156-176, 2007. (CCFA)
 95. J. Pei, Y. Yuan, X. LIN, W. Jin, M. Ester, Q. Liu, W. Wang, Y. Tao, J.X. Yu, Q. Zhang, Towards Multidimensional Subspace Skyline Analysis, *ACM Transactions on Database Systems (TODS)* 31(4), 1335-1381, 2006. (CCFA)
 96. K. Xu, X. Zhou, X. LIN, H.T. Shen, and K. Deng, A Multi-Resolution Terrain Model for Efficient Visualization Query Processing, *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 18(10):1382-1396, 2006. (CCFA)
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100. Z. Chong, J. X. Yu, Z. Zhang, X. LIN, W. Wang, A. Zhou, Efficient Computation of k-medians over Data Streams under Memory Constrains, *Journal of Computer Science and Technology*, 21(2), pp. 284-296, 2006.
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105. X. LIN, On the Computational Complexity of Edge Concentration, *Discrete Applied Mathematics*, 101, 197-205, 2000.
106. X. Zhou, X. LIN, C. Liu, J. Cao, Spatial Query Processing Using Generalized Filter, *International Journal of Cooperative Information Systems*, 9(1-2), 77-91, 2000.
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108. C. Liu, X. Zhou, J. Cao, and X. LIN, Incremental Support of Global Update in OzGateway- a Cooperative Database System, *Informatica*, 24(1), 27-32, 2000.
109. C. Liu, X. LIN, X. Zhou, M. Orlowska, Repository Support for Workflow Systems, *Journal of Applied Systems Science*, 1(3), 2000.
110. X. LIN, Y. Li, and C.P. Tsang, Applying On-Line Bitmap Indexing to Reduce Counting Costs in Mining Association Rules, *Information Sciences*, 120, 197-208 1999.
111. X. LIN, A Fully Distributed Quorum Consensus Method with High Fault-Tolerance and Low Communication Overhead, *Theoretical Computer Science*, 185(2), 259-275, 1997.
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116. P. Eades and X. LIN, A Heuristic for the Feedback Arc Set Problem, *The Australasian Journal of Combinatorics*, 12, 15-26, 1995.
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 121. P. Eades, X. LIN and N. Wormald, Performance Guarantees for Motion Planning with Temporal Uncertainty, *Australian Computer Journal*, 25(1), 21-29, 1993.

(2) Fully Refereed Conference Papers:

122. J. Wang, K. Wang, X. LIN, W. Zhang, Y. Zhang, Neural Attributed Community Search at Billion Scale, to appear in SIGMOD2024.
123. J. Zhang, Z. Shen, S. Yang, L. Meng, C. Xiao, W. Zhang, X. LIN, High-Ratio Compression for Machine-Generated Data, to appear in SIGMOD2024.
124. F. Zhang, Q. Linhu, J. Xie, K. Wang, X. LIN, W. Zhang, Quantifying Node Importance Over Network Structural Stability, in KDD2023. (CCFA)
125. J. Jin, P. Cheng, L. Chen, X. LIN, W. Zhang, Efficient Non-Learning Similar Subtrajectory Search, to appear in VLDB2023. (CCFA)
126. B. Feng, Z. Chen, L. Yuan, X. LIN, P. Wang, Contraction Hierarchies with Label Restrictions Maintenance in Dynamic Road Networks, in DASFAA2023. **(Best Student Paper Award, CCFB)**
127. Y. Cai, S. Liu, W. Zheng, X. LIN, Towards Generating Hop-constrained s-t Simple Path Graph, in SIGMOD2023. (CCFA)
128. Y. He, K. Wang, W. Zhang, X. LIN, Y. Zhang, Scaling Up k-Clique Densest Subgraph Detection, in SIGMOD2023. (CCFA)
129. L. Du, P. Cheng, L. Zheng, W. Xi, X. LIN, W. Zhang, J. Fang, Dynamic Private Task Assignment under Differential Privacy, in ICDE2023. (CCFA)
130. Y. Wang, L. Yuan, Zi. Chen, W. Zhang, X. LIN, Q. Liu, Towards Efficient Shortest Path Counting on Billion-Scale Graphs, in ICDE2023. (CCFA)
131. Y. Huang, L. Wang, F. Zhang, X. LIN, Unsupervised Graph Outlier Detection: Problem Revisit, New Insight, and Superior Method, in ICDE2023. (CCFA)
132. Y. Wu, Y. Xu, X. LIN, W. Zhang, A Holistic Approach for Answering Logical Queries on Knowledge Graphs, in ICDE2023. (CCFA)
133. Z. Yang, W. Zhang, X. LIN, Y. Zhang, S. Li, HGMatch: A Match-by-Hyperedge Framework for Efficient and Parallel Subhypergraph Matching, in ICDE2023. (CCFA)
134. J. Zhang, S. Yang, D. Ouyang, F. Zhang, X. LIN, L. Yuan, Hop-Constrained s-t Simple Path Enumeration on Large Dynamic Graphs, in ICDE 2023. (CCFA)
135. Y. Zhao, Z. Chen, L. Yuan, X. LIN, K. Wang, Index-Based Biclique Percolation Communities Search on Bipartite graphs, in ICDE2023. (CCFA)
136. J. Xie, F. Zhang, K. Wang, X. LIN, W. Zhang, Minimizing the Influence of Misinformation via Vertex Blocking, to appear in ICDE2023. (CCFA)
137. Y. Peng, Z. Ma, W. Zhang, X. LIN, Y. Zhang, X. Chen, Efficiently Answering Quality

- Constrained Shortest Distance Queries in Large Graphs, in ICDE2023. (corresponding author: LIN). (CCFA)
138. S. Ren, C. Chen, X. Wang, W. Zhang, Y. Zhang, X. LIN, Efficient Maximum Signed Biclique Identification, in ICDE2023. (CCFA)
 139. Y. Peng, X. LIN, M. Yu, W. Zhang, Q. Lu, TDB: Breaking All Hop-Constrained Cycles in Billion-Scale Directed Graphs, in ICDE2023. (Corresponding Author: Lin) (CCFA)
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(3) Invited Papers

413. X. LIN, Y. Zhang: Aggregate Computation over Data Streams, APWeb 2008: 10-25. (Keynote Speech)
414. W. Zhang, X. LIN, J. Pei, Y. Zhang: Managing Uncertain Data: Probabilistic Approaches, WAIM: 405-412, 2008. (Invited Paper)

- 415. X. LIN, Continuously Maintaining Order Statistics over Data Streams, the proceedings of 18th Australasian Database Conference, 7-10, 2007. (Invited Talk)
- 416. W. Wang, D.B. Do, X. LIN, Term Graph Model for Text Classification, ADMA2005: 19-30, 2005. (Invited Paper)

(4) Conference Proceedings or Journal Special Issue Edited

- 417. Xuemin Lin, Yannis Manolopoulos, Divesh Srivastava, Guangyan Huang (Eds.): Web Information Systems Engineering - WISE 2013 - 14th International Conference, Nanjing, China, October 13-15, 2013, Proceedings, Part II. Springer 2013 Lecture Notes in Computer Science ISBN 978-3-642-41153-3.
- 418. Athman Bouguettaya, Xuemin Lin: Database Technologies 2009, Twentieth Australasian Database Conference (ADC 2009), Wellington, New Zealand, 20-23 January, 2009, Proceedings Australian Computer Society 2009.
- 419. Paolo Missier, Xuemin Lin, Ander de Keijzer, Maurice van Keulen: Proceedings of the International Workshop on Quality in Databases and Management of Uncertain Data, Auckland, New Zealand, August 2008 QDB/MUD 2008.
- 420. Alan Fekete, Xuemin Lin: Database Technologies 2008. Proceedings of the Nineteenth Australasian Database Conference, ADC 2008, January 22-25, 2008, Wollongang, NSW, Australia Australian Computer Society 2008.
- 421. G. Dong, X. LIN, W. Wang, Y. Yang, J.X. Yu The Proceedings of APweb/WAIM' 2007, LNCS, Springer-Verlag, 2007.
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