# Yong Li

## List of Publications by Year
## in descending order

| 225 | 10,432 | 57758 44 | 53230 85 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 226 | 226 | 226 | 8960 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | Finding Spatiotemporal Patterns of Mobile Application Usage. IEEE Transactions on Network Science and Engineering, 2024, , 1-1. | 6.4 | 0 |
| 2 | Dynamic Graph Convolutional Recurrent Network for Traffic Prediction: Benchmark and Solution. ACM Transactions on Knowledge Discovery From Data, 2023, 17, 1-21. | 3.5 | 43 |
| 3 | Reinforcement Learning for Practical Express Systems with Mixed Deliveries and Pickups. ACM Transactions on Knowledge Discovery From Data, 2023, 17, 1-19. | 3.5 | 4 |
| 4 | To What Extent We Repeat Ourselves? Discovering Daily Activity Patterns Across Mobile App Usage. IEEE Transactions on Mobile Computing, 2022, 21, 1492-1507. | 5.8 | 62 |
| 5 | Predicting Human Mobility With Semantic Motivation via Multi-Task Attentional Recurrent Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2360-2374. | 5.7 | 10 |
| 6 | IoT vs. Human: A Comparison of Mobility. IEEE Transactions on Mobile Computing, 2022, 21, 1257-1273. | 5.8 | 5 |
| 7 | Item Recommendation for Word-of-Mouth Scenario in Social E-Commerce. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2798-2809. | 5.7 | 8 |
| 8 | Urban Anomaly Analytics: Description, Detection, and Prediction. IEEE Transactions on Big Data, 2022, 8, 809-826. | 6.1 | 38 |
| 9 | Distinguishing Between Smartphones and IoT Devices via Network Traffic. IEEE Internet of Things Journal, 2022, 9, 1182-1196. | 8.7 | 9 |
| 10 | Cross-domain Recommendation with Bridge-Item Embeddings. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-23. | 3.5 | 5 |
| 11 | Persuade to Click: Context-aware Persuasion Model for Online Textual Advertisement. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1. | 5.7 | 3 |
| 12 | User Identity Linkage via Co-Attentive Neural Network From Heterogeneous Mobility Data. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 954-968. | 5.7 | 14 |
| 13 | Context-Aware Semantic Annotation of Mobility Records. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-20. | 3.5 | 0 |
| 14 | A survey on the placement of virtual network functions. Journal of Network and Computer Applications, 2022, 202, 103361. | 9.1 | 16 |
| 15 | Crowd Flow Prediction for Irregular Regions with Semantic Graph Attention Network. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-14. | 4.5 | 6 |
| 16 | Lifecycle-Aware Online Video Caching. IEEE Transactions on Mobile Computing, 2021, 20, 2624-2636. | 5.8 | 11 |
| 17 | Understanding Urban Dynamics via State-Sharing Hidden Markov Model. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3468-3481. | 5.7 | 4 |
| 18 | Predictability and Prediction of Human Mobility Based on Application-Collected Location Data. IEEE Transactions on Mobile Computing, 2021, 20, 2457-2472. | 5.8 | 15 |

| # | Article | IF | Citations |
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| 19 | No More than What I Post: Preventing Linkage Attacks on Check-in Services. IEEE Transactions on Mobile Computing, 2021, 20, 620-633. | 5.8 | 2 |
| 20 | Distributed Pricing Policy for Cloud-Assisted Body-to-Body Networks with Optimal QoS and Energy Considerations. IEEE Transactions on Services Computing, 2021, 14, 668-682. | 4.6 | 12 |
| 21 | Artificial Intelligence for Wireless Caching: Schemes, Performance, and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 631-661. | 39.4 | 30 |
| 22 | Mobility-Aware Joint Task Scheduling and Resource Allocation for Cooperative Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2021, 20, 360-374. | 9.2 | 90 |
| 23 | Reinforcement Learning Meets Wireless Networks: A Layering Perspective. IEEE Internet of Things Journal, 2021, 8, 85-111. | 8.7 | 19 |
| 24 | Discovering Usage Patterns of Mobile Video Service in the Cellular Networks. IEEE Transactions on Network and Service Management, 2021, 18, 1789-1802. | 4.9 | 4 |
| 25 | Multi-Site User Behavior Modeling and Its Application in Video Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 180-193. | 5.7 | 14 |
| 26 | Portfolio Optimization in Traffic Offloading: Concept, Model, and Algorithms. IEEE Transactions on Mobile Computing, 2021, 20, 691-706. | 5.8 | 8 |
| 27 | Anonymization and De-Anonymization of Mobility Trajectories: Dissecting the Gaps Between Theory and Practice. IEEE Transactions on Mobile Computing, 2021, 20, 796-815. | 5.8 | 11 |
| 28 | Learning to Recommend With Multiple Cascading Behaviors. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2588-2601. | 5.7 | 39 |
| 29 | The Impact of Covid-19 on Smartphone Usage. IEEE Internet of Things Journal, 2021, 8, 16723-16733. | 8.7 | 16 |
| 30 | Corrections to â€œPreference-Based Privacy Marketsâ€• IEEE Access, 2021, 9, 14179-14180. | 4.2 | 0 |
| 31 | DeepFlowGen: Intention-aware Fine Grained Crowd Flow Generation via Deep Neural Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1. | 5.7 | 2 |
| 32 | Understanding the Long-term Dynamics of Mobile App Usage Context via Graph Embedding. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1. | 5.7 | 1 |
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| 35 | Inferring Origin-Destination Flows from Population Distribution. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1. | 5.7 | 3 |
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| 37 | Demographics of mobile app usage: long-term analysis of mobile app usage. CCF Transactions on Pervasive Computing and Interaction, 2021, 3, 235-252. | 2.6 | 8 |
| 38 | Systematically Quantifying IoT Privacy Leakage in Mobile Networks. IEEE Internet of Things Journal, 2021, 8, 7115-7125. | 8.7 | 4 |
| 39 | Mining Trajectory Patterns with Point-of-Interest and Behavior-of-Interest. , 2021, , . | | 2 |
| 40 | On Migratory Behavior in Video Consumption. IEEE Transactions on Network and Service Management, 2021, 18, 1775-1788. | 4.9 | 1 |
| 41 | Attentional Markov Model for Human Mobility Prediction. IEEE Journal on Selected Areas in Communications, 2021, 39, 2213-2225. | 14.0 | 14 |
| 42 | Privacy Risk is a Function of Information Type: Learnings for the Surveillance Capitalism Age. IEEE Transactions on Network and Service Management, 2021, 18, 3280-3296. | 4.9 | 2 |
| 43 | Incorporating Price into Recommendation with Graph Convolutional Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1. | 5.7 | 2 |
| 44 | Discovering and Understanding Geographical Video Viewing Patterns in Urban Neighborhoods. IEEE Transactions on Big Data, 2021, 7, 873-884. | 6.1 | 1 |
| 45 | Cross-platform Item Recommendation for Online Social E-Commerce. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1. | 5.7 | 6 |
| 46 | Edge Intelligence: Empowering Intelligence to the Edge of Network. Proceedings of the IEEE, 2021, 109, 1778-1837. | 21.3 | 61 |
| 47 | Spatio-Temporal Urban Knowledge Graph Enabled Mobility Prediction. , 2021, 5, 1-24. | | 9 |
| 48 | Emergence of urban growth patterns from human mobility behavior. Nature Computational Science, 2021, 1, 791-800. | 8.0 | 32 |
| 49 | Time Dependent Pricing for Large-Scale Mobile Networks of Urban Environment: Feasibility and Adaptability. IEEE Transactions on Services Computing, 2020, 13, 559-571. | 4.6 | 7 |
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| 54 | A Comprehensive Survey on Mobility-Aware D2D Communications: Principles, Practice and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1863-1886. | 39.4 | 95 |

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| 55 | Connecting the Dots: User Privacy is not Preserved in ID-Removed Cellular Data. IEEE Transactions on Network and Service Management, 2020, 17, 147-159. | 4.9 | 0 |
| 56 | Revealing Physical World Privacy Leakage by Cyberspace Cookie Logs. IEEE Transactions on Network and Service Management, 2020, 17, 2550-2566. | 4.9 | 2 |
| 57 | Preference-Based Privacy Markets. IEEE Access, 2020, 8, 146006-146026. | 4.2 | 6 |
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| 63 | Human Mobility Prediction Using Sparse Trajectory Data. IEEE Transactions on Vehicular Technology, 2020, 69, 10155-10166. | 6.3 | 11 |
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| 66 | Mobile App Usage Patterns Aware Smart Data Pricing. IEEE Journal on Selected Areas in Communications, 2020, 38, 645-654. | 14.0 | 5 |
| 67 | â€What Apps Did You Use?â€ Understanding the Long-term Evolution of Mobile App Usage. , 2020, , . | | 32 |
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| 69 | Multi-behavior Recommendation with Graph Convolutional Networks. , 2020, , . | | 179 |
| 70 | Semantic-aware Spatio-temporal App Usage Representation via Graph Convolutional Network. , 2020, 4, 1-24. | | 11 |
| 71 | HealthWalks. , 2020, 4, 1-26. | | 10 |
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| 73 | DeepMM: Deep Learning Based Map Matching with Data Augmentation. IEEE Transactions on Mobile Computing, 2020, , 1-1. | 5.8 | 8 |
| 74 | Co-Location Social Networks: Linking the Physical World and Cyberspace. IEEE Transactions on Mobile Computing, 2019, 18, 1028-1041. | 5.8 | 8 |
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| 76 | Jamcloud: Turning Traffic Jams Into Computation Opportunitiesâ€"Whose Time Has Come. IEEE Access, 2019, 7, 115797-115815. | 4.2 | 3 |
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| 81 | Performance Optimization for D2D Communications With Opportunistic Relay and Physical-Layer Network Coding. IEEE Transactions on Vehicular Technology, 2019, 68, 11928-11943. | 6.3 | 8 |
| 82 | Data-Driven Location Selection for Battery Swapping Stations. IEEE Access, 2019, 7, 133760-133771. | 4.2 | 29 |
| 83 | State-Sharing Sparse Hidden Markov Models for Personalized Sequences. , 2019, , . | | 11 |
| 84 | Accelerating Content Delivery via Efficient Resource Allocation for Network Coding Aided D2D Communications. IEEE Access, 2019, 7, 115783-115796. | 4.2 | 8 |
| 85 | Neural Multi-task Recommendation from Multi-behavior Data. , 2019, , . | | 116 |
| 86 | Efficient Virtual Network Function Placement for Poisson Arrived Traffic. , 2019, , . | | 7 |
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| 88 | DeepSTN+: Context-Aware Spatial-Temporal Neural Network for Crowd Flow Prediction in Metropolis. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 1020-1027. | 4.9 | 135 |
| 89 | Location Semantics Identification via Usersâ€™ Clickstreams in Mobile Social Networking. IEEE Transactions on Network and Service Management, 2019, 16, 1768-1781. | 4.9 | 1 |
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| 91 | CMBPR: Category-Aided Multi-Channel Bayesian Personalized Ranking for Short Video Recommendation. IEEE Access, 2019, 7, 48209-48223. | 4.2 | 11 |
| 92 | No More than What I Post: Preventing Linkage Attacks on Check-in Services. , 2019, , . |  | 3 |
| 93 | DPLink: User Identity Linkage via Deep Neural Network From Heterogeneous Mobility Data. , 2019, , . |  | 59 |
| 94 | CAP. , 2019, 3, 1-25. |  | 29 |
| 95 | Cooperative LBT Design and Effective Capacity Analysis for 5G NR Ultra Dense Networks in Unlicensed Spectrum. IEEE Access, 2019, 7, 50265-50279. | 4.2 | 22 |
| 96 | Quantitative analysis for capabilities of vehicular fog computing. Information Sciences, 2019, 501, 742-760. | 6.9 | 15 |
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| 98 | Modeling Spatio-Temporal App Usage for a Large User Population. , 2019, 3, 1-23. |  | 25 |
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| 111 | Folo: Latency and Quality Optimized Task Allocation in Vehicular Fog Computing. IEEE Internet of Things Journal, 2019, 6, 4150-4161. | 8.7 | 140 |
| 112 | Mobility-Aware Fog Computing in Dynamic Environments: Understandings and Implementation. IEEE Access, 2019, 7, 38867-38879. | 4.2 | 51 |
| 113 | Beyond the Click: A First Look at the Role of a Microblogging Platform in the Web Ecosystem. IEEE Transactions on Network and Service Management, 2019, 16, 743-754. | 4.9 | 3 |
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| 115 | Virtual Machine Migration Planning in Software-Defined Networks. IEEE Transactions on Cloud Computing, 2019, 7, 1168-1182. | 4.4 | 40 |
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| 117 | DeepMM. , 2019, , . |  | 17 |
| 118 | A Decomposition Approach for Urban Anomaly Detection Across Spatiotemporal Data. , 2019, , . |  | 29 |
| 119 | Mobility Assisted Content Transmission For Device-to-Device Communication Underlaying Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6410-6423. | 6.3 | 25 |
| 120 | A Survey of Opportunistic Offloading. IEEE Communications Surveys and Tutorials, 2018, 20, 2198-2236. | 39.4 | 98 |
| 121 | Energy-Efficient Wireless Transmissions for Battery-Less Vehicle Tire Pressure Monitoring System. IEEE Access, 2018, 6, 7687-7699. | 4.2 | 8 |
| 122 | Data-Driven Computing and Caching in 5G Networks: Architecture and Delay Analysis. IEEE Wireless Communications, 2018, 25, 70-75. | 9.0 | 169 |
| 123 | On the Understanding of Video Streaming Viewing Behaviors Across Different Content Providers. IEEE Transactions on Network and Service Management, 2018, 15, 444-457. | 4.9 | 9 |
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| 125 | Discovering Periodic Patterns for Large Scale Mobile Traffic Data: Method and Applications. IEEE Transactions on Mobile Computing, 2018, 17, 2266-2278. | 5.8 | 18 |
| 126 | Characterizing the Capability of Vehicular Fog Computing in Large-scale Urban Environment. Mobile Networks and Applications, 2018, 23, 1050-1067. | 3.3 | 25 |

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| 131 | Socially Aware Secrecy-Ensured Resource Allocation in D2D Underlay Communication: An Overlapping Coalitional Game Scheme. IEEE Transactions on Wireless Communications, 2018, 17, 4118-4133. | 9.2 | 53 |
| 132 | Device-to-Device Communications Enabled Energy Efficient Multicast Scheduling in mmWave Small Cells. IEEE Transactions on Communications, 2018, 66, 1093-1109. | 7.8 | 54 |
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| 134 | Opportunistic Task Scheduling over Co-Located Clouds in Mobile Environment. IEEE Transactions on Services Computing, 2018, 11, 549-561. | 4.6 | 93 |
| 135 | Measurement-Driven Modeling for Connection Density and Traffic Distribution in Large-Scale Urban Mobile Networks. IEEE Transactions on Mobile Computing, 2018, 17, 1105-1118. | 5.8 | 12 |
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| 137 | Performance Guaranteed Partial Offloading for Mobile Edge Computing. , 2018, , . | | 21 |
| 138 | Confidential Information Ensurance through Physical Layer Security in Device-to-Device Communication. , 2018, , . | | 17 |
| 139 | An Innovative Rail Pressure Sensor Signal Processing Algorithm to Determine the Start of Injection and End of Injection of Diesel Engines With Common Rail Injection Systems. IEEE Access, 2018, 6, 64674-64687. | 4.2 | 2 |
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| 143 | You Are How You Move: Linking Multiple User Identities From Massive Mobility Traces. , 2018, , 189-197. | | 18 |
| 144 | DeepTP: An End-to-End Neural Network for Mobile Cellular Traffic Prediction. IEEE Network, 2018, 32, 108-115. | 6.9 | 100 |

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| 145 | Blockchain-Based Data Sharing System for AI-Powered Network Operations. Journal of Communications and Information Networks, 2018, 3, 1-8. | 5.2 | 66 |
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| 147 | A New Privacy Breach: User Trajectory Recovery From Aggregated Mobility Data. IEEE/ACM Transactions on Networking, 2018, 26, 1446-1459. | 3.8 | 25 |
| 148 | DeepMove. , 2018, , . | | 359 |
| 149 | Software-Defined WAN via Open APIs. IEEE Access, 2018, 6, 33752-33765. | 4.2 | 5 |
| 150 | Mobility-Aware Transmission Scheduling Scheme for Millimeter-Wave Cells. IEEE Transactions on Wireless Communications, 2018, 17, 5991-6004. | 9.2 | 20 |
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| 152 | Uniqueness in the City. , 2018, 2, 1-20. | | 15 |
| 153 | Temporal-Spatial Mobile Application Usage Understanding and Popularity Prediction for Edge Caching. IEEE Wireless Communications, 2018, 25, 36-42. | 9.0 | 25 |
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| 164 | Security and Privacy in Device-to-Device (D2D) Communication: A Review. IEEE Communications Surveys and Tutorials, 2017, 19, 1054-1079. | 39.4 | 237 |
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| 166 | On Oblivious Neighbor Discovery in Distributed Wireless Networks With Directional Antennas: Theoretical Foundation and Algorithm Design. IEEE/ACM Transactions on Networking, 2017, 25, 1982-1993. | 3.8 | 34 |
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| 169 | A Two-Level Game Theory Approach for Joint Relay Selection and Resource Allocation in Network Coding Assisted D2D Communications. IEEE Transactions on Mobile Computing, 2017, 16, 2697-2711. | 5.8 | 55 |
| 170 | Multi-site User Behavior Modeling and Its Application in Video Recommendation. , 2017, , . | | 27 |
| 171 | Mobility-assisted device to device communications for Content Transmission. , 2017, , . | | 11 |
| 172 | Beyond K-Anonymity: Protect Your Trajectory from Semantic Attack. , 2017, , . | | 23 |
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| 177 | Overlapping Coalition Formation Game for Resource Allocation in Network Coding Aided D2D Communications. IEEE Transactions on Mobile Computing, 2017, 16, 3459-3472. | 5.8 | 20 |
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