

# Leilei Sun

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45 papers	680 citations	13 h-index	25 g-index
48 ext. papers	958 ext. citations	3.8 avg, IF	4.57 L-index

#	Paper	IF	Citations
45	Adaptive Spatio-temporal Graph Neural Network for traffic forecasting. <i>Knowledge-Based Systems</i> , <b>2022</b> , 242, 108199	7.3	1
44	Heterogeneous Graph Representation Learning with Relation Awareness. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	1
43	Spatial Semantic Learning for Travel Time Estimation. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 15-26	0.9	
42	Multi-Semantic Path Representation Learning for Travel Time Estimation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-10	6.1	0
41	GAN-Based Anomaly Detection for Multivariate Time Series Using Polluted Training Set. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	0
40	Automatic Treatment Regimen Design. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 33, 3494-3506	4.2	
39	Modelling the epidemic dynamics of COVID-19 with consideration of human mobility. <i>International Journal of Data Science and Analytics</i> , <b>2021</b> , 12, 1-14	2	3
38	Traffic Demand Prediction Based on Dynamic Transition Convolutional Neural Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 1237-1247	6.1	23
37	Dynamic and Multi-faceted Spatio-temporal Deep Learning for Traffic Speed Forecasting <b>2021</b> ,		7
36	Landslide susceptibility prediction based on image semantic segmentation. <i>Computers and Geosciences</i> , <b>2021</b> , 155, 104860	4.5	4
35	Graph-based Embedding Smoothing for Sequential Recommendation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	1
34	Embedding Disentanglement in Graph Convolutional Networks for Recommendation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	1
33	A Simulation Research Towards Better Leverage of Sales Ranking. <i>Journal of Systems Science and Systems Engineering</i> , <b>2021</b> , 30, 105-122	1.2	1
32	Predicting Temporal Sets with Deep Neural Networks <b>2020</b> ,		6
31	A fusion framework to extract typical treatment patterns from electronic medical records. <i>Artificial Intelligence in Medicine</i> , <b>2020</b> , 103, 101782	7.4	4
30	Abnormal Trajectory Detection Based on Geospatial Consistent Modeling. <i>IEEE Access</i> , <b>2020</b> , 8, 184633-184643	3.9	1
29	Taxi Demand Prediction Using Parallel Multi-Task Learning Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-10	6.1	13

28	Fast Clustering by Affinity Propagation Based on Density Peaks. <i>IEEE Access</i> , <b>2020</b> , 8, 138884-138897	3.5	3
27	Co-Prediction of Multiple Transportation Demands Based on Deep Spatio-Temporal Neural Network <b>2019</b> ,		26
26	Multiple Relational Attention Network for Multi-task Learning <b>2019</b> ,		11
25	Mining Typical Treatment Duration Patterns for Rational Drug Use from Electronic Medical Records. <i>Journal of Systems Science and Systems Engineering</i> , <b>2019</b> , 28, 602-620	1.2	3
24	. <i>IEEE Access</i> , <b>2019</b> , 7, 157873-157882	3.5	2
23	Parallel Architecture of Convolutional Bi-Directional LSTM Neural Networks for Network-Wide Metro Ridership Prediction. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 2278-2288	6.1	58
22	Unsupervised EEG feature extraction based on echo state network. <i>Information Sciences</i> , <b>2019</b> , 475, 1-17	7.7	33
21	CCODM: conditional co-occurrence degree matrix document representation method. <i>Soft Computing</i> , <b>2019</b> , 23, 1239-1255	3.5	2
20	A Treatment Engine by Predicting Next-Period Prescriptions <b>2018</b> ,		15
19	An Efficient Clustering Algorithm Based on Grid Density and its Application in Human Mobility Analysis. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 87-100	0.9	
18	A data-driven framework of typical treatment process extraction and evaluation. <i>Journal of Biomedical Informatics</i> , <b>2018</b> , 83, 178-195	10.2	21
17	Mining Typical Drug Use Patterns Based on Patient Similarity from Electronic Medical Records. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 71-86	0.3	
16	Econometric testing on linear and nonlinear dynamic relation between stock prices and macroeconomy in China. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 493, 107-115	3.3	12
15	A Data-driven Process Recommender Framework. <i>KDD: Proceedings</i> , <b>2017</b> , 2017, 2111-2120	6.8	11
14	Cluster Analysis in Data-Driven Management and Decisions. <i>Journal of Management Science and Engineering</i> , <b>2017</b> , 2, 227-251	4.4	8
13	Effective and Real-time In-App Activity Analysis in Encrypted Internet Traffic Streams <b>2017</b> ,		21
12	Functional Zone Based Hierarchical Demand Prediction For Bike System Expansion <b>2017</b> ,		35
11	Extended TODIM for multi-criteria group decision making based on unbalanced hesitant fuzzy linguistic term sets. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 114, 316-328	6.4	123

10	Textual analysis and visualization of research trends in data mining for electronic health records. <i>Health Policy and Technology</i> , <b>2017</b> , 6, 389-400	4.8	13
9	Fast affinity propagation clustering based on incomplete similarity matrix. <i>Knowledge and Information Systems</i> , <b>2017</b> , 51, 941-963	2.4	15
8	Data-driven Automatic Treatment Regimen Development and Recommendation <b>2016</b> ,		23
7	Rebalancing Bike Sharing Systems <b>2016</b> ,		99
6	Characterizing the life cycle of point of interests using human mobility patterns <b>2016</b> ,		9
5	Exploratory Factor Analysis for Validating Traditional Chinese Syndrome Patterns of Chronic Atrophic Gastritis. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2016</b> , 2016, 6872890	2.3	9
4	Incremental Affinity Propagation Clustering Based on Message Passing. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 2731-2744	4.2	51
3	<b>2010</b> ,		11
2	Analysis for full face mechanical behaviors through spatial deduction model with real-time monitoring data. <i>Structural Health Monitoring</i> , 147592172110448	4.4	0
1	Deep multi-task learning with flexible and compact architecture search. <i>International Journal of Data Science and Analytics</i> , 1	2	0