Chang-Tien Lu

List of Publications by Year
in descending order

69 papers	1,717 citations	516710 16 h-index	414414 32 g-index
70 all docs	70 docs citations	70 times ranked	1501 citing authors

#	ARTICLE	IF	CITATIONS
1	Spatio-Temporal Event Forecasting Using Incremental Multi-Source Feature Learning. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-28.	3.5	7
2	Deep Graph Learning for Circuit Deobfuscation. Frontiers in Big Data, 2021, 4, 608286.	2.9	2
3	Towards Semantically-Rich Spatial Network Representation Learning via Automated Feature Topic Pairing. Frontiers in Big Data, 2021, 4, 762899.	2.9	4
4	Semi-Supervised Deep Learning Approach for Transportation Mode Identification Using GPS Trajectory Data. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1010-1023.	5.7	78
5	Online flu epidemiological deep modeling on disease contact network. GeoInformatica, 2020, 24, 443-475.	2.7	15
6	DIGDUG: Scalable Separable Dense Graph Pruning and Join Operations in MapReduce. IEEE Transactions on Big Data, 2020, , 1-1.	6.1	2
7	Learning evolving user's behaviors on location-based social networks. GeoInformatica, 2020, 24, 713-743.	2.7	4
8	SOSNet: A Graph Convolutional Network Approach to Fine-Grained Cyberbullying Detection. , 2020, , .		33
9	RISECURE: Metro Incidents And Threat Detection Using Social Media. , 2020, , .		6
10	Spatio-temporal Event Forecasting and Precursor Identification. , 2019, , .		8
11	Detection of clusters in traffic networks based on spatio-temporal flow modeling. Transactions in GIS, 2019, 23, 312-333.	2.3	8
12	Feature driven learning framework for cybersecurity event detection. , 2019, , .		4
13	Batman or the joker?. SIGSPATIAL Special, 2019, 11, 16-25.	2.7	2
14	Patent Citation Dynamics Modeling via Multi-Attention Recurrent Networks. , 2019, , .		5
15	REGAL. , 2019, , .		5
16	CATrust: Context-Aware Trust Management for Service-Oriented Ad Hoc Networks. IEEE Transactions on Services Computing, 2018, 11, 908-921.	4.6	36
17	Situation-Based Interpretable Learning for Personality Prediction in Social Media. , 2018, , .		0
18	Multi-Task Learning for Transit Service Disruption Detection. , 2018, , .		5

#	Article	IF	Citations
19	Preface: special issue on geo-social media analytics. GeoInformatica, 2018, 22, 503-506.	2.7	0
20	Social Media based Simulation Models for Understanding Disease Dynamics. , 2018, , .		5
21	Feature Constrained Multi-Task Learning Models for Spatiotemporal Event Forecasting. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1059-1072.	5.7	31
22	Crowdsourcing Cybersecurity. , 2017, , .		84
23	Learning to Fuse Music Genres with Generative Adversarial Dual Learning. , 2017, , .		6
24	Outlier Detection, Spatial. , 2017, , 1539-1546.		1
25	Event Categorization and Key Prospect Identification from Storylines. Communications in Computer and Information Science, 2017, , 62-88.	0.5	0
26	EMBERS at 4 years. , 2016, , .		18
27	A Framework for Discovering Evolving Domain Related Spatio-Temporal Patterns in Twitter. ISPRS International Journal of Geo-Information, 2016, 5, 193.	2.9	7
28	Storytelling in heterogeneous Twitter entity network based on hierarchical cluster routing. , 2016, , .		2
29	DERIV: Distributed In-Memory Brand Perception Tracking Framework. , 2016, , .		3
30	Online Spatial Event Forecasting in Microblogs. ACM Transactions on Spatial Algorithms and Systems, 2016, 2, 1-39.	1.4	7
31	Automatic targeted-domain spatiotemporal event detection in twitter. GeoInformatica, 2016, 20, 765-795.	2.7	25
32	Hierarchical Incomplete Multi-source Feature Learning for Spatiotemporal Event Forecasting. , 2016, , .		32
33	Discovering Anomalies on Mixed-Type Data Using a Generalized Student- Based Approach. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2582-2595.	5.7	18
34	How events unfold. SIGSPATIAL Special, 2016, 7, 19-25.	2.7	6
35	A topic-focused trust model for Twitter. Computer Communications, 2016, 76, 1-11.	5.1	44
36	Urban Traffic Flow Prediction Using a Spatio-Temporal Random Effects Model. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 282-293.	4.2	53

#	Article	IF	Citations
37	Dynamic theme tracking in Twitter. , 2015, , .		8
38	Multi-Task Learning for Spatio-Temporal Event Forecasting. , 2015, , .		93
39	Fast adaptive kernel density estimator for data streams. Knowledge and Information Systems, 2015, 42, 285-317.	3.2	14
40	Misinformation Propagation in the Age of Twitter. Computer, 2014, 47, 90-94.	1.1	125
41	Forecasting Significant Societal Events Using The Embers Streaming Predictive Analytics System. Big Data, 2014, 2, 185-195.	3.4	19
42	On detecting spatial categorical outliers. GeoInformatica, 2014, 18, 501-536.	2.7	16
43	Unsupervised Spatial Event Detection in Targeted Domains with Applications to Civil Unrest Modeling. PLoS ONE, 2014, 9, e110206.	2.5	49
44	Analyzing Civil Unrest through Social Media. Computer, 2013, 46, 80-84.	1.1	32
45	Robust Prediction and Outlier Detection for Spatial Datasets. , 2012, , .		10
46	Learning from positive and unlabeled documents for automated detection of alternative splicing sentences in medline abstracts. , 2011, , .		0
47	Community Situational Awareness and Resilience through Mobile Applications. , 2011, , .		2
48	A GRAPH-BASED APPROACH TO DETECT ABNORMAL SPATIAL POINTS AND REGIONS. International Journal on Artificial Intelligence Tools, 2011, 20, 721-751.	1.0	11
49	Appearance Based Recognition Using Spatial and Discriminant Influence. , 2010, , .		0
50	A Concurrency Control Protocol for Continuously Monitoring Moving Objects. , 2009, , .		10
51	On Detecting Spatial Outliers. GeoInformatica, 2008, 12, 455-475.	2.7	68
52	Outlier Detection, Spatial. , 2008, , 833-838.		0
53	Performance Evaluation of Desktop Search Engines. , 2007, , .		9
54	Advances in GML for Geospatial Applications. GeoInformatica, 2007, 11, 131-157.	2.7	36

#	Article	IF	Citations
55	AOID: adaptive on-line incident detection system. , 2006, , .		3
56	AITVS: Advanced Interactive Traffic Visualization System. , 2006, , .		9
57	MULTIVARIATE SPATIAL OUTLIER DETECTION. International Journal on Artificial Intelligence Tools, 2004, 13, 801-811.	1.0	15
58	Wavelet fuzzy classification for detecting and tracking region outliers in meteorological data. , 2004, , .		12
59	A Unified Approach to Detecting Spatial Outliers. GeoInformatica, 2003, 7, 139-166.	2.7	162
60	Detecting region outliers in meteorological data. , 2003, , .		25
61	Efficient join-index-based spatial-join processing: a clustering approach. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 1400-1421.	5.7	10
62	Detecting graph-based spatial outliers1. Intelligent Data Analysis, 2002, 6, 451-468.	0.9	39
63	Detecting graph-based spatial outliers. , 2001, , .		116
64	Spatial databases-accomplishments and research needs. IEEE Transactions on Knowledge and Data Engineering, 1999, 11, 45-55.	5.7	120
65	Optimizing join index based join processing: a graph partitioning approach. , 0, , .		3
66	Data mining for selective visualization of large spatial datasets. , 0, , .		10
67	Detecting spatial outliers with multiple attributes. , 0, , .		14
68	Survey of fraud detection techniques. , 0, , .		102
69	Evaluating GML support for spatial databases. , 0, , .		9