

Chang-Tien Lu

List of Publications by Year in descending order

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Version: 2024-02-01

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	A Unified Approach to Detecting Spatial Outliers. <i>Geoinformatica</i> , 2003, 7, 139-166.	2.7	162
2	Misinformation Propagation in the Age of Twitter. <i>Computer</i> , 2014, 47, 90-94.	1.1	125
3	Spatial databases-accomplishments and research needs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 1999, 11, 45-55.	5.7	120
4	Detecting graph-based spatial outliers. , 2001, , .		116
5	Survey of fraud detection techniques. , 0, , .		102
6	Multi-Task Learning for Spatio-Temporal Event Forecasting. , 2015, , .		93
7	Crowdsourcing Cybersecurity. , 2017, , .		84
8	Semi-Supervised Deep Learning Approach for Transportation Mode Identification Using GPS Trajectory Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 1010-1023.	5.7	78
9	On Detecting Spatial Outliers. <i>Geoinformatica</i> , 2008, 12, 455-475.	2.7	68
10	Urban Traffic Flow Prediction Using a Spatio-Temporal Random Effects Model. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2016, 20, 282-293.	4.2	53
11	Unsupervised Spatial Event Detection in Targeted Domains with Applications to Civil Unrest Modeling. <i>PLoS ONE</i> , 2014, 9, e110206.	2.5	49
12	A topic-focused trust model for Twitter. <i>Computer Communications</i> , 2016, 76, 1-11.	5.1	44
13	Detecting graph-based spatial outliers1. <i>Intelligent Data Analysis</i> , 2002, 6, 451-468.	0.9	39
14	Advances in GML for Geospatial Applications. <i>Geoinformatica</i> , 2007, 11, 131-157.	2.7	36
15	CATrust: Context-Aware Trust Management for Service-Oriented Ad Hoc Networks. <i>IEEE Transactions on Services Computing</i> , 2018, 11, 908-921.	4.6	36
16	SOSNet: A Graph Convolutional Network Approach to Fine-Grained Cyberbullying Detection. , 2020, , .		33
17	Analyzing Civil Unrest through Social Media. <i>Computer</i> , 2013, 46, 80-84.	1.1	32
18	Hierarchical Incomplete Multi-source Feature Learning for Spatiotemporal Event Forecasting. , 2016, , .		32

#	ARTICLE	IF	CITATIONS
19	Feature Constrained Multi-Task Learning Models for Spatiotemporal Event Forecasting. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1059-1072.	5.7	31
20	Detecting region outliers in meteorological data. , 2003, , .		25
21	Automatic targeted-domain spatiotemporal event detection in twitter. Geoinformatica, 2016, 20, 765-795.	2.7	25
22	Forecasting Significant Societal Events Using The Embers Streaming Predictive Analytics System. Big Data, 2014, 2, 185-195.	3.4	19
23	EMBERS at 4 years. , 2016, , .		18
24	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
25	On detecting spatial categorical outliers. Geoinformatica, 2014, 18, 501-536.	2.7	16
26	MULTIVARIATE SPATIAL OUTLIER DETECTION. International Journal on Artificial Intelligence Tools, 2004, 13, 801-811.	1.0	15
27	Online flu epidemiological deep modeling on disease contact network. Geoinformatica, 2020, 24, 443-475.	2.7	15
28	Detecting spatial outliers with multiple attributes. , 0, , .		14
29	Fast adaptive kernel density estimator for data streams. Knowledge and Information Systems, 2015, 42, 285-317.	3.2	14
30	Wavelet fuzzy classification for detecting and tracking region outliers in meteorological data. , 2004, , .		12
31	A GRAPH-BASED APPROACH TO DETECT ABNORMAL SPATIAL POINTS AND REGIONS. International Journal on Artificial Intelligence Tools, 2011, 20, 721-751.	1.0	11
32	Data mining for selective visualization of large spatial datasets. , 0, , .		10
33	Efficient join-index-based spatial-join processing: a clustering approach. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 1400-1421.	5.7	10
34	A Concurrency Control Protocol for Continuously Monitoring Moving Objects. , 2009, , .		10
35	Robust Prediction and Outlier Detection for Spatial Datasets. , 2012, , .		10
36	Evaluating GML support for spatial databases. , 0, , .		9

#	ARTICLE	IF	CITATIONS
37	AITVS: Advanced Interactive Traffic Visualization System. , 2006, , .		9
38	Performance Evaluation of Desktop Search Engines. , 2007, , .		9
39	Dynamic theme tracking in Twitter. , 2015, , .		8
40	Spatio-temporal Event Forecasting and Precursor Identification. , 2019, , .		8
41	Detection of clusters in traffic networks based on spatio-temporal flow modeling. Transactions in GIS, 2019, 23, 312-333.	2.3	8
42	A Framework for Discovering Evolving Domain Related Spatio-Temporal Patterns in Twitter. ISPRS International Journal of Geo-Information, 2016, 5, 193.	2.9	7
43	Online Spatial Event Forecasting in Microblogs. ACM Transactions on Spatial Algorithms and Systems, 2016, 2, 1-39.	1.4	7
44	Spatio-Temporal Event Forecasting Using Incremental Multi-Source Feature Learning. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-28.	3.5	7
45	How events unfold. SIGSPATIAL Special, 2016, 7, 19-25.	2.7	6
46	Learning to Fuse Music Genres with Generative Adversarial Dual Learning. , 2017, , .		6
47	RISECURE: Metro Incidents And Threat Detection Using Social Media. , 2020, , .		6
48	Multi-Task Learning for Transit Service Disruption Detection. , 2018, , .		5
49	Social Media based Simulation Models for Understanding Disease Dynamics. , 2018, , .		5
50	Patent Citation Dynamics Modeling via Multi-Attention Recurrent Networks. , 2019, , .		5
51	REGAL. , 2019, , .		5
52	Feature driven learning framework for cybersecurity event detection. , 2019, , .		4
53	Learning evolving user's behaviors on location-based social networks. Geoinformatica, 2020, 24, 713-743.	2.7	4
54	Towards Semantically-Rich Spatial Network Representation Learning via Automated Feature Topic Pairing. Frontiers in Big Data, 2021, 4, 762899.	2.9	4

#	ARTICLE	IF	CITATIONS
55	Optimizing join index based join processing: a graph partitioning approach. , 0, , .		3
56	AOID: adaptive on-line incident detection system. , 2006, , .		3
57	DERIV: Distributed In-Memory Brand Perception Tracking Framework. , 2016, , .		3
58	Community Situational Awareness and Resilience through Mobile Applications. , 2011, , .		2
59	Storytelling in heterogeneous Twitter entity network based on hierarchical cluster routing. , 2016, , .		2
60	Batman or the joker?. SIGSPATIAL Special, 2019, 11, 16-25.	2.7	2
61	DIGDUG: Scalable Separable Dense Graph Pruning and Join Operations in MapReduce. IEEE Transactions on Big Data, 2020, , 1-1.	6.1	2
62	Deep Graph Learning for Circuit Deobfuscation. Frontiers in Big Data, 2021, 4, 608286.	2.9	2
63	Outlier Detection, Spatial. , 2017, , 1539-1546.		1
64	Appearance Based Recognition Using Spatial and Discriminant Influence. , 2010, , .		0
65	Learning from positive and unlabeled documents for automated detection of alternative splicing sentences in medline abstracts. , 2011, , .		0
66	Situation-Based Interpretable Learning for Personality Prediction in Social Media. , 2018, , .		0
67	Preface: special issue on geo-social media analytics. Geoinformatica, 2018, 22, 503-506.	2.7	0
68	Outlier Detection, Spatial. , 2008, , 833-838.		0
69	Event Categorization and Key Prospect Identification from Storylines. Communications in Computer and Information Science, 2017, , 62-88.	0.5	0