Xiaowei Xu

List of Publications by Year
in descending order

70 papers	4,684 citations	331670 21 h-index	233421 45 g-index
74 all docs	74 docs citations	74 times ranked	4857 citing authors

#	Article	IF	Citations
1	DBSCAN Revisited, Revisited. ACM Transactions on Database Systems, 2017, 42, 1-21.	2.8	1,347
2	Density-Based Clustering in Spatial Databases: The Algorithm GDBSCAN and Its Applications. Data Mining and Knowledge Discovery, 1998, 2, 169-194.	3.7	1,059
3	SCAN. , 2007, , .		557
4	Probabilistic memory-based collaborative filtering. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 56-69.	5.7	175
5	In silico drug repositioning â€" what we need to know. Drug Discovery Today, 2013, 18, 110-115.	6.4	153
6	Predicting Hepatotoxicity Using ToxCast <i>in Vitro</i> Bioactivity and Chemical Structure. Chemical Research in Toxicology, 2015, 28, 738-751.	3.3	124
7	Mining FDA drug labels using an unsupervised learning technique - topic modeling. BMC Bioinformatics, 2011, 12, S11.	2.6	93
8	What Can Be Transferred: Unsupervised Domain Adaptation for Endoscopic Lesions Segmentation. , 2020, , .		90
9	A structural approach for finding functional modules from large biological networks. BMC Bioinformatics, 2008, 9, S19.	2.6	76
10	Artificial Intelligence, Machine Learning, and Cardiovascular Disease. Clinical Medicine Insights: Cardiology, 2020, 14, 117954682092740.	1.8	70
11	Graph-based review spammer group detection. Knowledge and Information Systems, 2018, 55, 571-597.	3.2	69
12	A study of homophily on social media. World Wide Web, 2012, 15, 213-232.	4.0	68
13	Investigating Homophily in Online Social Networks. , 2010, , .		55
14	Investigating drug repositioning opportunities in FDA drug labels through topic modeling. BMC Bioinformatics, 2012, 13, S6.	2.6	54
15	A hybrid temporal association rules mining method for traffic congestion prediction. Computers and Industrial Engineering, 2019, 130, 779-787.	6.3	49
16	GSLDA: LDA-based group spamming detection in product reviews. Applied Intelligence, 2018, 48, 3094-3107.	5.3	48
17	A phenome-guided drug repositioning through a latent variable model. BMC Bioinformatics, 2014, 15, 267.	2.6	35
18	A Novel Similarity-Based Modularity Function for Graph Partitioning. Lecture Notes in Computer Science, 2007, , 385-396.	1.3	34

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19	atBioNetâ€" an integrated network analysis tool for genomics and biomarker discovery. BMC Genomics, 2012, 13, 325.	2.8	33
20	Joint Household Characteristic Prediction via Smart Meter Data. IEEE Transactions on Smart Grid, 2019, 10, 1834-1844.	9.0	30
21	ColluEagle: collusive review spammer detection using Markov random fields. Data Mining and Knowledge Discovery, 2020, 34, 1621-1641.	3.7	26
22	A Divisive Hierarchical Structural Clustering Algorithm for Networks. , 2007, , .		25
23	Automatic delineation of malignancy in histopathological head and neck slides. BMC Bioinformatics, 2007, 8, S17.	2.6	25
24	Constructing a robust protein-protein interaction network by integrating multiple public databases. BMC Bioinformatics, 2011, 12, S7.	2.6	24
25	Weakly-Supervised Cross-Domain Adaptation for Endoscopic Lesions Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2020-2033.	8.3	24
26	h-MapReduce: A Framework for Workload Balancing in MapReduce. , 2013, , .		23
27	CSCL: Critical Semantic-Consistent Learning for Unsupervised Domain Adaptation. Lecture Notes in Computer Science, 2020, , 745-762.	1.3	23
28	AHSCAN: Agglomerative Hierarchical Structural Clustering Algorithm for Networks. , 2009, , .		21
29	Effective background modelling and subtraction approach for moving object detection. IET Computer Vision, 2015, 9, 13-24.	2.0	21
30	Lifelong Metric Learning. IEEE Transactions on Cybernetics, 2019, 49, 3168-3179.	9.5	20
31	Detecting Lung Diseases from Exhaled Aerosols: Non-Invasive Lung Diagnosis Using Fractal Analysis and SVM Classification. PLoS ONE, 2015, 10, e0139511.	2.5	20
32	A systems approach for analysis of high content screening assay data with topic modeling. BMC Bioinformatics, 2013, 14, S11.	2.6	19
33	InferBERT: A Transformer-Based Causal Inference Framework for Enhancing Pharmacovigilance. Frontiers in Artificial Intelligence, 2021, 4, 659622.	3.4	19
34	A Comprehensive Comparative Analysis of the Basic Theory of the Short Term Bus Passenger Flow Prediction. Symmetry, 2018, 10, 369.	2.2	18
35	A Novel Hierarchical Hybrid Model for Short-Term Bus Passenger Flow Forecasting. Journal of Advanced Transportation, 2020, 2020, 1-16.	1.7	13
36	Asymmetric author-topic model for knowledge discovering of big data in toxicogenomics. Frontiers in Pharmacology, 2015, 6, 81.	3.5	12

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37	PSCAN: A Parallel Structural Clustering Algorithm for Big Networks in MapReduce. , 2013, , .		11
38	Research on Privacy Disclosure Detection Method in Social Networks Based on Multi-Dimensional Deep Learning. Computers, Materials and Continua, 2020, 62, 137-155.	1.9	11
39	Mining hidden knowledge for drug safety assessment: topic modeling of LiverTox as a case study. BMC Bioinformatics, 2014, 15, S6.	2.6	10
40	DLI-IT: a deep learning approach to drug label identification through image and text embedding. BMC Medical Informatics and Decision Making, 2020, 20, 68.	3.0	10
41	Anomaly detection via adaptive greedy model. Neurocomputing, 2019, 330, 369-379.	5.9	9
42	An effective framework for semistructured document classification via hierarchical attention model. International Journal of Intelligent Systems, 2021, 36, 5161-5183.	5.7	9
43	Head and Neck Cancer Detection in Histopathological Slides. , 2006, , .		8
44	A Machine Learning Approach for Identification of Head and Neck Squamous Cell Carcinoma. , 2007, , .		7
45	Social computational systems. Journal of Computational Science, 2011, 2, 189-192.	2.9	7
46	A study on Twitter user-follower network. , 2013, , .		6
47	Diagnosis of long QT syndrome via support vector machines classification. Journal of Biomedical Science and Engineering, 2011, 04, 264-271.	0.4	6
48	AnySCAN: An Efficient Anytime Framework with Active Learning for Large-Scale Network Clustering. , 2017, , .		5
49	Does Similarity Breed Connection? - An Investigation in Blogcatalog and Last.fm Communities. , 2010, , .		3
50	Online Low-Rank Metric Learning via Parallel Coordinate Descent Method. , 2018, , .		3
51	Hierarchical Sarsa Learning Based Route Guidance Algorithm. Journal of Advanced Transportation, 2019, 2019, 1-12.	1.7	3
52	An Improved Deep Spatial-Temporal Hybrid Model for Bus Speed Prediction. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	3
53	A Novel Approach for Finding Clusters from Complex Networks. Journal of Software, 2011, 6, .	0.6	3
54	Classification and Early Warning Model of Terrorist Attacks Based on Optimal GCN. Chinese Journal of Electronics, 2020, 29, 1193-1200.	1.5	3

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55	An Algorithm for Identifying Useful Structure in Graphs Clustering. , 2010, , .		2
56	Fast Information Retrieval and Social Network Mining via Cosine Similarity Upper Bound. , 2013, , .		2
57	Evolving Metric Learning for Incremental and Decremental Features. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2290-2302.	8.3	2
58	On Structural Analysis of Large Networks. , 2008, , .		1
59	A Novel Similarity-based Modularity Function for Graph Partitioning. , 2009, , 223-236.		1
60	Mining fetal magnetocardiogram data for high-risk fetuses. , 2011, , .		1
61	Shuffle based Anomaly Detection in Multi-state System. , 2017, , .		1
62	Clustered Lifelong Learning Via Representative Task Selection. , 2018, , .		1
63	Hierarchical-Document-Structure-Aware Attention with Adaptive Cost Sensitive Learning for Biomedical Document Classification. , 2019, , .		1
64	Finding Functional Modules. Systems Biology, 2010, , 253-273.	0.1	1
65	Knowledge Discovery in Textual Databases: A Concept-Association Mining Approach. Profiles in Operations Research, 2009, , 225-243.	0.4	1
66	Text Embeddings for Retrieval from a Large Knowledge Base. Lecture Notes in Business Information Processing, 2020, , 338-351.	1.0	1
67	Discovering Multiple Social Ties for Characterization of Individuals in Online Social Networks. , 2016, , .		0
68	NMiner: A System for Finding Related Entities by Mining a Bimodal Network. Lecture Notes in Computer Science, 2012, , 346-355.	1.3	0
69	ABNORMAL USER BEHAVIOUR PERCEPTION METHOD IN SDN. International Journal of Robotics and Automation, 2018, 33, .	0.1	0
70	Supporting Keyword Queries on Structured Databases with Limited Search Interfaces. , 2008, , 432-439.		0