

Jörg Sander

List of Publications by Year in descending order

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64
papers

14,955
citations

279798

23
h-index

289244

40
g-index

67
all docs

67
docs citations

67
times ranked

11234
citing authors

#	ARTICLE	IF	CITATIONS
1	LOF. SIGMOD Record, 2000, 29, 93-104.	1.2	2,799
2	LOF. , 2000, , .		2,444
3	DBSCAN Revisited, Revisited. ACM Transactions on Database Systems, 2017, 42, 1-21.	2.8	1,347
4	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
5	Density-Based Clustering Based on Hierarchical Density Estimates. Lecture Notes in Computer Science, 2013, , 160-172.	1.3	895
6	Density-based clustering. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 231-240.	6.8	576
7	On the evaluation of unsupervised outlier detection: measures, datasets, and an empirical study. Data Mining and Knowledge Discovery, 2016, 30, 891-927.	3.7	445
8	Hierarchical Density Estimates for Data Clustering, Visualization, and Outlier Detection. ACM Transactions on Knowledge Discovery From Data, 2015, 10, 1-51.	3.5	424
9	Ensembles for unsupervised outlier detection. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2014, 15, 11-22.	4.0	191
10	Spatial Data Mining: Database Primitives, Algorithms and Efficient DBMS Support. Data Mining and Knowledge Discovery, 2000, 4, 193-216.	3.7	156
11	Subsampling for efficient and effective unsupervised outlier detection ensembles. , 2013, , .		129
12	Density-Based Clustering Validation. , 2014, , .		111
13	OPTICS-OF: Identifying Local Outliers. Lecture Notes in Computer Science, 1999, , 262-270.	1.3	106
14	Analysis of SIGMOD's co-authorship graph. SIGMOD Record, 2003, 32, 8-10.	1.2	100
15	Finding non-redundant, statistically significant regions in high dimensional data. , 2008, , .		83
16	P3C: A Robust Projected Clustering Algorithm. IEEE International Conference on Data Mining, 2006, , .	0.0	65
17	Automatic Extraction of Clusters from Hierarchical Clustering Representations. Lecture Notes in Computer Science, 2003, , 75-87.	1.3	64
18	PIST: An Efficient and Practical Indexing Technique for Historical Spatio-Temporal Point Data. Geoinformatica, 2008, 12, 143-168.	2.7	60

#	ARTICLE	IF	CITATIONS
19	Robust projected clustering. Knowledge and Information Systems, 2008, 14, 273-298.	3.2	58
20	Mining Statistically Significant Co-location and Segregation Patterns. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1185-1199.	5.7	57
21	Semi-supervised Density-Based Clustering. , 2009, , .		56
22	A framework for semi-supervised and unsupervised optimal extraction of clusters from hierarchies. Data Mining and Knowledge Discovery, 2013, 27, 344-371.	3.7	55
23	Subspace and projected clustering: experimental evaluation and analysis. Knowledge and Information Systems, 2009, 21, 299-326.	3.2	52
24	Density-based clustering. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1343.	6.8	51
25	A framework for spatio-temporal query processing over wireless sensor networks. , 2004, , .		47
26	Data bubbles. , 2001, , .		41
27	Decomposing object-oriented class modules using an agglomerative clustering technique. , 2009, , .		34
28	Incremental and effective data summarization for dynamic hierarchical clustering. , 2004, , .		27
29	On strategies for building effective ensembles of relative clustering validity criteria. Knowledge and Information Systems, 2016, 47, 329-354.	3.2	25
30	Hierarchical Density-Based Clustering Using MapReduce. IEEE Transactions on Big Data, 2021, 7, 102-114.	6.1	25
31	On the Evaluation of Outlier Detection and One-Class Classification Methods. , 2016, , .		24
32	Adaptive processing of historical spatial range queries in peer-to-peer sensor networks. Distributed and Parallel Databases, 2007, 22, 133-163.	1.6	23
33	Data perturbation for outlier detection ensembles. , 2014, , .		22
34	Multiple similarity queries: a basic DBMS operation for mining in metric databases. IEEE Transactions on Knowledge and Data Engineering, 2001, 13, 79-95.	5.7	21
35	Exploiting redundancy in sensor networks for energy efficient processing of spatiotemporal region queries. , 2005, , .		20
36	Data bubbles. SIGMOD Record, 2001, 30, 79-90.	1.2	19

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37	On Join Location in Sensor Networks. , 2007, , .		18
38	A methodology for analyzing SAGE libraries for cancer profiling. ACM Transactions on Information Systems, 2005, 23, 35-60.	4.9	15
39	On the internal evaluation of unsupervised outlier detection. , 2015, , .		15
40	Internal Evaluation of Unsupervised Outlier Detection. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-42.	3.5	14
41	Efficient Computation of Multiple Density-Based Clustering Hierarchies. , 2017, , .		12
42	A unified view of density-based methods for semi-supervised clustering and classification. Data Mining and Knowledge Discovery, 2019, 33, 1894-1952.	3.7	12
43	Learning a Classification-based Glioma Growth Model Using MRI Data. Journal of Computers, 2006, 1, .	0.4	11
44	Mining statistically sound co-location patterns at multiple distances. , 2014, , .		8
45	Finding the Nearest Neighbors in Biological Databases Using Less Distance Computations. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2010, 7, 669-680.	3.0	6
46	A unified framework of density-based clustering for semi-supervised classification. , 2018, , .		6
47	Efficient Computation and Visualization of Multiple Density-Based Clustering Hierarchies. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3075-3089.	5.7	6
48	Effective Summarization of Multi-Dimensional Data Streams for Historical Stream Mining. International Conference on Scientific and Statistical Database Management: [proceedings] International Conference on Scientific and Statistical Database Management, 2007, , .	0.0	5
49	Combining gene expression and interaction network data to improve kidney lesion score prediction. International Journal of Bioinformatics Research and Applications, 2012, 8, 54.	0.2	5
50	Speedup Clustering with Hierarchical Ranking. IEEE International Conference on Data Mining, 2006, , .	0.0	4
51	Finding Surprisingly Frequent Patterns of Variable Lengths in Sequence Data. , 2016, , .		4
52	Active Learning Strategies for Semi-Supervised DBSCAN. Lecture Notes in Computer Science, 2014, , 179-190.	1.3	4
53	Efficient composite pattern finding from monad patterns. International Journal of Bioinformatics Research and Applications, 2007, 3, 86.	0.2	3
54	A Simpler and More Accurate AUTO-HDS Framework for Clustering and Visualization of Biological Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1850-1852.	3.0	3

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55	Density-Based Clustering. , 2016, , 1-5.		3
56	Discovering Spatial Co-Clustering Patterns in Traffic Collision Data. , 2013, , .		2
57	Active Semi-Supervised Classification Based on Multiple Clustering Hierarchies. , 2016, , .		2
58	MustaCHE. Proceedings of the VLDB Endowment, 2018, 11, 2058-2061.	3.8	2
59	Statistically Significant Co-location Pattern Mining. , 2017, , 2204-2212.		2
60	Towards the qualitative, plan-based simulation of international crises. European Journal of Operational Research, 1999, 116, 461-476.	5.7	1
61	Density-Based Clustering. , 2017, , 349-353.		1
62	A Modularity-Based Measure for Cluster Selection from Clustering Hierarchies. Communications in Computer and Information Science, 2019, , 253-265.	0.5	1
63	Heavyweight Pattern Mining in Attributed Flow Graphs. , 2014, , .		0
64	Model-Based Clustering with HDBSCAN*. Lecture Notes in Computer Science, 2021, , 364-379.	1.3	0