

Erich Schubert

List of Publications by Year in descending order

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47
papers

4,555
citations

567144

15
h-index

454834

30
g-index

48
all docs

48
docs citations

48
times ranked

3961
citing authors

#	ARTICLE	IF	CITATIONS
1	DBSCAN Revisited, Revisited. ACM Transactions on Database Systems, 2017, 42, 1-21.	1.5	1,347
2	A survey on unsupervised outlier detection in high-dimensional numerical data. Statistical Analysis and Data Mining, 2012, 5, 363-387.	1.4	534
3	On the evaluation of unsupervised outlier detection: measures, datasets, and an empirical study. Data Mining and Knowledge Discovery, 2016, 30, 891-927.	2.4	445
4	LoOP. , 2009, , .		308
5	Local outlier detection reconsidered: a generalized view on locality with applications to spatial, video, and network outlier detection. Data Mining and Knowledge Discovery, 2014, 28, 190-237.	2.4	222
6	Outlier Detection in Axis-Parallel Subspaces of High Dimensional Data. Lecture Notes in Computer Science, 2009, , 831-838.	1.0	163
7	Can Shared-Neighbor Distances Defeat the Curse of Dimensionality?. Lecture Notes in Computer Science, 2010, , 482-500.	1.0	155
8	Interpreting and Unifying Outlier Scores. , 2011, , .		149
9	Faster k-Medoids Clustering: Improving the PAM, CLARA, and CLARANS Algorithms. Lecture Notes in Computer Science, 2019, , 171-187.	1.0	143
10	The (black) art of runtime evaluation: Are we comparing algorithms or implementations?. Knowledge and Information Systems, 2017, 52, 341-378.	2.1	132
11	A framework for clustering uncertain data. Proceedings of the VLDB Endowment, 2015, 8, 1976-1979.	2.1	99
12	On Evaluation of Outlier Rankings and Outlier Scores. , 2012, , .		95
13	Generalized Outlier Detection with Flexible Kernel Density Estimates. , 2014, , .		92
14	Outlier Detection in Arbitrarily Oriented Subspaces. , 2012, , .		66
15	A General Framework for Increasing the Robustness of PCA-Based Correlation Clustering Algorithms. Lecture Notes in Computer Science, 2008, , 418-435.	1.0	66
16	Fast and eager k -medoids clustering: runtime improvement of the PAM, CLARA, and CLARANS algorithms. Information Systems, 2021, 101, 101804.	2.4	62
17	SigniTrend. , 2014, , .		56
18	Evaluation of Clusterings – Metrics and Visual Support. , 2012, , .		54

#	ARTICLE	IF	CITATIONS
19	Interactive data mining with 3D-parallel-coordinate-trees. , 2013, , .		46
20	Outlier Detection. , 2017, , 1-5.		38
21	Intrinsic t-Stochastic Neighbor Embedding for Visualization and Outlier Detection. Lecture Notes in Computer Science, 2017, , 188-203.	1.0	22
22	Visual Evaluation of Outlier Detection Models. Lecture Notes in Computer Science, 2010, , 396-399.	1.0	22
23	Fast and Scalable Outlier Detection with Approximate Nearest Neighbor Ensembles. Lecture Notes in Computer Science, 2015, , 19-36.	1.0	21
24	Spatial Outlier Detection: Data, Algorithms, Visualizations. Lecture Notes in Computer Science, 2011, , 512-516.	1.0	19
25	Discriminative features for identifying and interpreting outliers. , 2014, , .		19
26	Geodetic Distance Queries on R-Trees for Indexing Geographic Data. Lecture Notes in Computer Science, 2013, , 146-164.	1.0	17
27	Numerically stable parallel computation of (co-)variance. , 2018, , .		17
28	Dimensional testing for reverse k -nearest neighbor search. Proceedings of the VLDB Endowment, 2017, 10, 769-780.	2.1	15
29	On the Correlation Between Local Intrinsic Dimensionality and Outlierness. Lecture Notes in Computer Science, 2018, , 177-191.	1.0	14
30	BETULA: Fast clustering of large data with improved BIRCH CF-Trees. Information Systems, 2022, 108, 101918.	2.4	14
31	ELKI in Time: ELKI 0.2 for the Performance Evaluation of Distance Measures for Time Series. Lecture Notes in Computer Science, 2009, , 436-440.	1.0	13
32	Good and Bad Neighborhood Approximations for Outlier Detection Ensembles. Lecture Notes in Computer Science, 2017, , 173-187.	1.0	12
33	Outlier Detection and Trend Detection: Two Sides of the Same Coin. , 2015, , .		11
34	A Triangle Inequality for Cosine Similarity. Lecture Notes in Computer Science, 2021, , 32-44.	1.0	9
35	Subspace Similarity Search: Efficient k-NN Queries in Arbitrary Subspaces. Lecture Notes in Computer Science, 2010, , 555-564.	1.0	8
36	Subspace similarity search using the ideas of ranking and top-k retrieval. , 2010, , .		7

#	ARTICLE	IF	CITATIONS
37	Fast k-medoids Clustering in Rust and Python. Journal of Open Source Software, 2022, 7, 4183.	2.0	7
38	Accelerating Spherical k-Means. Lecture Notes in Computer Science, 2021, , 217-231.	1.0	6
39	BETULA: Numerically Stable CF-Trees for BIRCH Clustering. Lecture Notes in Computer Science, 2020, , 281-296.	1.0	6
40	SPOTHOT. , 2016, , .		5
41	Quality of Similarity Rankings in Time Series. Lecture Notes in Computer Science, 2011, , 422-440.	1.0	5
42	Metric Indexing for Graph Similarity Search. Lecture Notes in Computer Science, 2021, , 323-336.	1.0	4
43	ABID: Angle Based Intrinsic Dimensionality. Lecture Notes in Computer Science, 2020, , 218-232.	1.0	4
44	ABID: Angle Based Intrinsic Dimensionality â€™ Theory and analysis. Information Systems, 2022, 108, 101989.	2.4	3
45	Outlier Detection. , 2018, , 2635-2639.		2
46	EmbAssi: embedding assignment costs for similarity search in large graph databases. Data Mining and Knowledge Discovery, 0, , .	2.4	1
47	Introduction to Special Issue of the 9th International Conference on Similarity Search and Applications (SISAP 2016). Information Systems, 2019, 80, 107.	2.4	0