

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	BETULA: Fast clustering of large data with improved BIRCH CF-Trees. Information Systems, 2022, 108, 101918.	2.4	14
2	ABID: Angle Based Intrinsic Dimensionality Theory and analysis. Information Systems, 2022, 108, 101989.	2.4	3
3	Fast k-medoids Clustering in Rust and Python. Journal of Open Source Software, 2022, 7, 4183.	2.0	7
4	Fast and eager k -medoids clustering: runtime improvement of the PAM, CLARA, and CLARANS algorithms. Information Systems, 2021, 101, 101804.	2.4	62
5	A Triangle Inequality for Cosine Similarity. Lecture Notes in Computer Science, 2021, , 32-44.	1.0	9
6	Metric Indexing for Graph Similarity Search. Lecture Notes in Computer Science, 2021, , 323-336.	1.0	4
7	Accelerating Spherical k-Means. Lecture Notes in Computer Science, 2021, , 217-231.	1.0	6
8	BETULA: Numerically Stable CF-Trees for BIRCH Clustering. Lecture Notes in Computer Science, 2020, , 281-296.	1.0	6
9	ABID: Angle Based Intrinsic Dimensionality. Lecture Notes in Computer Science, 2020, , 218-232.	1.0	4
10	Introduction to Special Issue of the 9th International Conference on Similarity Search and Applications (SISAP 2016). Information Systems, 2019, 80, 107.	2.4	0
11	Faster k-Medoids Clustering: Improving the PAM, CLARA, and CLARANS Algorithms. Lecture Notes in Computer Science, 2019, , 171-187.	1.0	143
12	On the Correlation Between Local Intrinsic Dimensionality and Outlierness. Lecture Notes in Computer Science, 2018, , 177-191.	1.0	14
13	Numerically stable parallel computation of (co-)variance. , 2018, , .		17
14	Outlier Detection. , 2018, , 2635-2639.		2
15	Good and Bad Neighborhood Approximations for Outlier Detection Ensembles. Lecture Notes in Computer Science, 2017, , 173-187.	1.0	12
16	Dimensional testing for reverse k -nearest neighbor search. Proceedings of the VLDB Endowment, 2017, 10, 769-780.	2.1	15
17	DBSCAN Revisited, Revisited. ACM Transactions on Database Systems, 2017, 42, 1-21.	1.5	1,347
18	The (black) art of runtime evaluation: Are we comparing algorithms or implementations?. Knowledge and Information Systems, 2017, 52, 341-378.	2.1	132

#	ARTICLE	IF	CITATIONS
19	Outlier Detection. , 2017, , 1-5.		38
20	Intrinsic t-Stochastic Neighbor Embedding for Visualization and Outlier Detection. Lecture Notes in Computer Science, 2017, , 188-203.	1.0	22
21	SPOTHOT. , 2016, , .		5
22	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
23	A framework for clustering uncertain data. Proceedings of the VLDB Endowment, 2015, 8, 1976-1979.	2.1	99
24	Outlier Detection and Trend Detection: Two Sides of the Same Coin. , 2015, , .		11
25	Fast and Scalable Outlier Detection with Approximate Nearest Neighbor Ensembles. Lecture Notes in Computer Science, 2015, , 19-36.	1.0	21
26	SigniTrend. , 2014, , .		56
27	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
28	Discriminative features for identifying and interpreting outliers. , 2014, , .		19
29	Generalized Outlier Detection with Flexible Kernel Density Estimates. , 2014, , .		92
30	Interactive data mining with 3D-parallel-coordinate-trees. , 2013, , .		46
31	Geodetic Distance Queries on R-Trees for Indexing Geographic Data. Lecture Notes in Computer Science, 2013, , 146-164.	1.0	17
32	On Evaluation of Outlier Rankings and Outlier Scores. , 2012, , .		95
33	Evaluation of Clusterings – Metrics and Visual Support. , 2012, , .		54
34	Outlier Detection in Arbitrarily Oriented Subspaces. , 2012, , .		66
35	A survey on unsupervised outlier detection in high-dimensional numerical data. Statistical Analysis and Data Mining, 2012, 5, 363-387.	1.4	534
36	Spatial Outlier Detection: Data, Algorithms, Visualizations. Lecture Notes in Computer Science, 2011, , 512-516.	1.0	19

#	ARTICLE	IF	CITATIONS
37	Interpreting and Unifying Outlier Scores. , 2011, , .		149
38	Quality of Similarity Rankings in Time Series. Lecture Notes in Computer Science, 2011, , 422-440.	1.0	5
39	Subspace similarity search using the ideas of ranking and top-k retrieval. , 2010, , .		7
40	Visual Evaluation of Outlier Detection Models. Lecture Notes in Computer Science, 2010, , 396-399.	1.0	22
41	Can Shared-Neighbor Distances Defeat the Curse of Dimensionality?. Lecture Notes in Computer Science, 2010, , 482-500.	1.0	155
42	Subspace Similarity Search: Efficient k-NN Queries in Arbitrary Subspaces. Lecture Notes in Computer Science, 2010, , 555-564.	1.0	8
43	LoOP. , 2009, , .		308
44	Outlier Detection in Axis-Parallel Subspaces of High Dimensional Data. Lecture Notes in Computer Science, 2009, , 831-838.	1.0	163
45	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
46	A General Framework for Increasing the Robustness of PCA-Based Correlation Clustering Algorithms. Lecture Notes in Computer Science, 2008, , 418-435.	1.0	66
47	EmbAssi: embedding assignment costs for similarity search in large graph databases. Data Mining and Knowledge Discovery, 0, , .	2.4	1