

Ahmed Eldawy

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,316
citations

777949

13
h-index

799663

21
g-index

68
all docs

68
docs citations

68
times ranked

1483
citing authors

#	ARTICLE	IF	CITATIONS
1	AID*: A Spatial Index for Visual Exploration of Geo-Spatial Data. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 3569-3582.	4.0	6
2	Experimental Study of Big Raster and Vector Database Systems. , 2021, , .		5
3	HQ-Filter: Hierarchy-Aware Filter For Empty-Resulting Queries in Interactive Exploration. , 2021, , .		2
4	Using Deep Learning for Big Spatial Data Partitioning. ACM Transactions on Spatial Algorithms and Systems, 2021, 7, 1-37.	1.1	5
5	The Raptor Join Operator for Processing Big Raster + Vector Data. , 2021, , .		3
6	A Learned Query Optimizer for Spatial Join. , 2021, , .		4
7	Beast. , 2021, , .		12
8	A brief introduction to geospatial big data analytics with apache AsterixDB. , 2021, , .		1
9	R*-Grove: Balanced Spatial Partitioning for Large-Scale Datasets. Frontiers in Big Data, 2020, 3, 28.	1.8	9
10	Skewness-Based Partitioning in SpatialHadoop. ISPRS International Journal of Geo-Information, 2020, 9, 201.	1.4	13
11	SpiderWeb. , 2020, , .		10
12	Evaluating computational geometry libraries for big spatial data exploration. , 2020, , .		5
13	Raptor Zonal Statistics: Fully Distributed Zonal Statistics of Big Raster + Vector Data. , 2020, , .		6
14	A Demonstration of Interactive Exploration of Big Geospatial Data on UCR-Star. , 2020, , .		1
15	AID: An Adaptive Image Data Index for Interactive Multilevel Visualization. , 2019, , .		26
16	Scalable computational geometry in MapReduce. VLDB Journal, 2019, 28, 523-548.	2.7	23
17	Euler++: Improved Selectivity Estimation for Rectangular Spatial Records. , 2019, , .		4
18	UCR-STAR. SIGSPATIAL Special, 2019, 11, 34-40.	2.5	18

#	ARTICLE	IF	CITATIONS
19	Comparing synopsis techniques for approximate spatial data analysis. Proceedings of the VLDB Endowment, 2019, 12, 1583-1596.	2.1	26
20	Raptor. Proceedings of the VLDB Endowment, 2019, 12, 1950-1953.	2.1	5
21	Detecting skewness of big spatial data in SpatialHadoop. , 2018, , .		15
22	R-Grove. , 2018, , .		27
23	Distributed zonal statistics of big raster and vector data. , 2018, , .		7
24	Experimental Evaluation of Sketching Techniques for Big Spatial Data. , 2018, , .		6
25	LandQv2: A MapReduce-Based System for Processing Arable Land Quality Big Data. ISPRS International Journal of Geo-Information, 2018, 7, 271.	1.4	14
26	Spatial MapReduce. Geographic Information Science & Technology Body of Knowledge, 2018, 2018, .	0.1	0
27	Spatial coding-based approach for partitioning big spatial data in Hadoop. Computers and Geosciences, 2017, 106, 60-67.	2.0	35
28	The era of big spatial data. Proceedings of the VLDB Endowment, 2017, 10, 1992-1995.	2.1	19
29	Experimental evaluation of selectivity estimation on big spatial data. , 2017, , .		12
30	Sphinx: Empowering Impala for Efficient Execution of SQL Queries on Big Spatial Data. Lecture Notes in Computer Science, 2017, , 65-83.	1.0	23
31	Large Scale Analytics of Vector+Raster Big Spatial Data. , 2017, , .		16
32	Spatial Join with Hadoop. , 2017, , 2032-2036.		3
33	The era of Big Spatial Data. , 2016, , .		9
34	The Era of Big Spatial Data: A Survey. Foundations and Trends in Databases, 2016, 6, 163-273.	4.1	33
35	Parallel Algorithms for Summing Floating-Point Numbers. , 2016, , .		0
36	HadoopViz: A MapReduce framework for extensible visualization of big spatial data. , 2016, , .		68

#	ARTICLE	IF	CITATIONS
37	A demonstration of HadoopViz. Proceedings of the VLDB Endowment, 2015, 8, 1896-1899.	2.1	6
38	Future connected vehicles. , 2015, , .		8
39	Sphinx. , 2015, , .		10
40	The ecosystem of SpatialHadoop. SIGSPATIAL Special, 2015, 6, 3-10.	2.5	15
41	Spatial partitioning techniques in SpatialHadoop. Proceedings of the VLDB Endowment, 2015, 8, 1602-1605.	2.1	99
42	A demonstration of Shahed: A MapReduce-based system for querying and visualizing satellite data. , 2015, , .		5
43	The era of big spatial data. , 2015, , .		18
44	SHAHED: A MapReduce-based system for querying and visualizing spatio-temporal satellite data. , 2015, , .		72
45	SpatialHadoop: A MapReduce framework for spatial data. , 2015, , .		375
46	The Era of Big Spatial Data: Challenges and Opportunities. , 2015, , .		6
47	Trekking through Siberia. Proceedings of the VLDB Endowment, 2014, 7, 931-942.	2.1	45
48	SpatialHadoop. , 2014, , .		51
49	TAREEG. , 2014, , .		19
50	TAREEG. , 2014, , .		19
51	LARS*: An Efficient and Scalable Location-Aware Recommender System. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1384-1399.	4.0	146
52	Pigeon: A spatial MapReduce language. , 2014, , .		39
53	A demonstration of MNTG - A web-based road network traffic generator. , 2014, , .		10
54	PLUTUS: Leveraging Location-Based Social Networks to Recommend Potential Customers to Venues. , 2013, , .		14

#	ARTICLE	IF	CITATIONS
55	NADEEF. , 2013, , .		207
56	A demonstration of SpatialHadoop. Proceedings of the VLDB Endowment, 2013, 6, 1230-1233.	2.1	161
57	CG_Hadoop. , 2013, , .		81
58	Flexible and extensible preference evaluation in database systems. ACM Transactions on Database Systems, 2013, 38, 1-43.	1.5	3
59	MNTG: An Extensible Web-Based Traffic Generator. Lecture Notes in Computer Science, 2013, , 38-55.	1.0	44
60	The anatomy of Sindbad. , 2012, , .		1
61	Clustering Streaming Graphs. , 2012, , .		6
62	Sindbad. , 2012, , .		24
63	LARS: A Location-Aware Recommender System. , 2012, , .		277
64	StreamRec. , 2011, , .		52