Panos Kalnis

List of Publications by Year
in descending order

112 papers	6,535 citations	116194 36 h-index	124990 64 g-index
118 all docs	118 docs citations	118 times ranked	4536 citing authors

#	Article	IF	Citations
1	GRACE: A Compressed Communication Framework for Distributed Machine Learning. , 2021, , .		26
2	ITISS: an efficient framework for querying big temporal data. GeoInformatica, 2020, 24, 27-59.	2.0	4
3	Introduction to spatio-temporal data driven urban computing. Distributed and Parallel Databases, 2020, 38, 561-562.	1.0	1
4	On the Discrepancy between the Theoretical Analysis and Practical Implementations of Compressed Communication for Distributed Deep Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3817-3824.	3.6	24
5	Parallel Semantic Trajectory Similarity Join. , 2020, , .		22
6	Top-k term publish/subscribe for geo-textual data streams. VLDB Journal, 2020, 29, 1101-1128.	2.7	31
7	Introduction to Spatio-temporal data management and analytics for Smart City research. GeoInformatica, 2020, 24, 1-2.	2.0	6
8	Huffman Coding Based Encoding Techniques for Fast Distributed Deep Learning. , 2020, , .		4
9	Parallel Trajectory-to-Location Join. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1194-1207.	4.0	63
10	GCN-MF. , 2019, , .		87
11	Cluster-Based Subscription Matching for Geo-Textual Data Streams. , 2019, , .		18
12	Semantics in the Deep: Semantic Analytics for Big Data. Data, 2019, 4, 63.	1.2	2
13	AUC-MF: Point of Interest Recommendation with AUC Maximization. , 2019, , .		25
14	Matrix Algebra Framework for Portable, Scalable and Efficient Query Engines for RDF Graphs. , 2019, , .		14
15	Parallel trajectory similarity joins in spatial networks. VLDB Journal, 2018, 27, 395-420.	2.7	101
16	Parallel Algorithm for Incremental Betweenness Centrality on Large Graphs. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 659-672.	4.0	37
17	Location-Aware Top-k Term Publish/Subscribe. , 2018, , .		38
18	Incremental Frequent Subgraph Mining on Large Evolving Graphs. , 2018, , .		4

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19	Searching Trajectories by Regions of Interest. , 2018, , .		6
20	Improved suffix blocking for record linkage and entity resolution. Data and Knowledge Engineering, 2018, 117, 98-113.	2.1	12
21	A demonstration of MAGiQ. Proceedings of the VLDB Endowment, 2018, 11, 1978-1981.	2.1	8
22	Spatial Anonymity. , 2018, , 3564-3570.		0
23	Distributed Spatial Databases. , 2018, , 1215-1222.		0
24	Discriminative identification of transcriptional responses of promoters and enhancers after stimulus. Nucleic Acids Research, 2017, 45, gkw1015.	6.5	3
25	Query Optimizations over Decentralized RDF Graphs. , 2017, , .		11
26	Collective Travel Planning in Spatial Networks. , 2017, , .		6
27	Searching Trajectories by Regions of Interest. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1549-1562.	4.0	86
28	Trajectory similarity join in spatial networks. Proceedings of the VLDB Endowment, 2017, 10, 1178-1189.	2.1	89
29	A Benchmark for Betweenness Centrality Approximation Algorithms on Large Graphs. , 2017, , .		23
30	Errata for "Lightning Fast and Space Efficient Inequality Joins" (PVLDB 8(13): 2074--2085). Proceedings of the VLDB Endowment, 2017, 10, 985-985.	2.1	0
31	Combining Vertex-Centric Graph Processing with SPARQL for Large-Scale RDF Data Analytics. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 3374-3388.	4.0	19
32	Fast and scalable inequality joins. VLDB Journal, 2017, 26, 125-150.	2.7	18
33	Incremental Frequent Subgraph Mining on Large Evolving Graphs. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2710-2723.	4.0	39
34	A survey and experimental comparison of distributed SPARQL engines for very large RDF data. Proceedings of the VLDB Endowment, 2017, 10, 2049-2060.	2.1	63
35	DAIET. , 2017, , .		11
36	Lusail. Proceedings of the VLDB Endowment, 2017, 11, 485-498.	2.1	17

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37	In-Network Computation is a Dumb Idea Whose Time Has Come. , 2017, , .		153
38	A Demonstration of Lusail. , 2017, , .		8
39	Top-k OLAP Queries Using Augmented Spatial Access Methods. , 2017, , 2252-2258.		0
40	Querying and Mining Strings Made Easy. Lecture Notes in Computer Science, 2017, , 3-17.	1.0	0
41	Olap Results, Distributed Caching. , 2017, , 1473-1479.		0
42	ScaleMine: Scalable Parallel Frequent Subgraph Mining in a Single Large Graph. , 2016, , .		38
43	DRABAL: novel method to mine large high-throughput screening assays using Bayesian active learning. Journal of Cheminformatics, 2016, 8, 64.	2.8	20
44	Progress and challenges in bioinformatics approaches for enhancer identification. Briefings in Bioinformatics, 2016, 17, 967-979.	3.2	81
45	DASPfind: new efficient method to predict drug–target interactions. Journal of Cheminformatics, 2016, 8, 15.	2.8	88
46	Accelerating SPARQL queries by exploiting hash-based locality and adaptive partitioning. VLDB Journal, 2016, 25, 355-380.	2.7	78
47	Collective Travel Planning in Spatial Networks. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1132-1146.	4.0	90
48	Spatial Anonymity. , 2016, , 1-7.		0
49	Top-k OLAP Queries Using Augmented Spatial Access Methods. , 2016, , 1-6.		0
50	SPARTex. Proceedings of the VLDB Endowment, 2015, 8, 1880-1883.	2.1	17
51	StarDB. Proceedings of the VLDB Endowment, 2015, 8, 1844-1847.	2.1	3
52	DWFS: A Wrapper Feature Selection Tool Based on a Parallel Genetic Algorithm. PLoS ONE, 2015, 10, e0117988.	1.1	94
53	Karect: accurate correction of substitution, insertion and deletion errors for next-generation sequencing data. Bioinformatics, 2015, 31, 3421-3428.	1.8	75
54	Discovery of Path Nearby Clusters in Spatial Networks. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1505-1518.	4.0	61

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55	Hi-Jack: a novel computational framework for pathway-based inference of host–pathogen interactions. Bioinformatics, 2015, 31, 2332-2339.	1.8	5
56	DEEP: a general computational framework for predicting enhancers. Nucleic Acids Research, 2015, 43, e6-e6.	6.5	124
57	Evaluating SPARQL queries on massive RDF datasets. Proceedings of the VLDB Endowment, 2015, 8, 1848-1851.	2.1	36
58	Automatic tuning of bag-of-tasks applications. , 2015, , .		8
59	Lightning fast and space efficient inequality joins. Proceedings of the VLDB Endowment, 2015, 8, 2074-2085.	2.1	21
60	Mining Chemical Activity Status from High-Throughput Screening Assays. PLoS ONE, 2015, 10, e0144426.	1.1	15
61	GraMi. Proceedings of the VLDB Endowment, 2014, 7, 517-528.	2.1	201
62	Personalized trajectory matching in spatial networks. VLDB Journal, 2014, 23, 449-468.	2.7	148
63	ACME: A scalable parallel system for extracting frequent patterns from a very long sequence. VLDB Journal, 2014, 23, 871-893.	2.7	12
64	Distributed Spatial Databases. , 2014, , 1-7.		0
65	Parallel motif extraction from very long sequences. , 2013, , .		10
66	Mizan. , 2013, , .		211
67	Comparing Memory-Efficient Genome Assemblers on Stand-Alone and Cloud Infrastructures. PLoS ONE, 2013, 8, e75505.	1.1	21
68	To 4,000 compute nodes and beyond. Computer Communication Review, 2013, 43, 501-502.	1.5	1
69	User oriented trajectory search for trip recommendation. , 2012, , .		136
70	Delineating social network data anonymization via random edge perturbation. , 2012, , .		25
71	Outsourced Similarity Search on Metric Data Assets. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 338-352.	4.0	60
72	Approximate and exact hybrid algorithms for private nearest-neighbor queries with database protection. GeoInformatica, 2011, 15, 699-726.	2.0	37

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73	SABRE: a Sensitive Attribute Bucketization and REdistribution framework for t-closeness. VLDB Journal, 2011, 20, 59-81.	2.7	55
74	Local and global recoding methods for anonymizing set-valued data. VLDB Journal, 2011, 20, 83-106.	2.7	84
75	ERA. Proceedings of the VLDB Endowment, 2011, 5, 49-60.	2.1	45
76	Anonymous Publication of Sensitive Transactional Data. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 161-174.	4.0	65
77	Distributed Privacy Preserving Data Collection. Lecture Notes in Computer Science, 2011, , 93-107.	1.0	9
78	Providing K-Anonymity in location based services. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2010, 12, 3-10.	3.2	67
79	Enabling search services on outsourced private spatial data. VLDB Journal, 2010, 19, 363-384.	2.7	99
80	A reciprocal framework for spatial K-anonymity. Information Systems, 2010, 35, 299-314.	2.4	71
81	Efficient and accurate nearest neighbor and closest pair search in high-dimensional space. ACM Transactions on Database Systems, 2010, 35, 1-46.	1.5	81
82	Outsourcing Search Services on Private Spatial Data. Proceedings - International Conference on Data Engineering, 2009, , .	0.0	38
83	Authenticated join processing in outsourced databases. , 2009, , .		100
84	Quality and efficiency in high dimensional nearest neighbor search. , 2009, , .		170
85	A framework for efficient data anonymization under privacy and accuracy constraints. ACM Transactions on Database Systems, 2009, 34, 1-47.	1.5	62
86	Spatial Anonymity. , 2009, , 2685-2690.		1
87	Location Diversity: Enhanced Privacy Protection in Location Based Services. Lecture Notes in Computer Science, 2009, , 70-87.	1.0	96
88	Distributed Spatial Databases. , 2009, , 920-925.		1
89	Private queries in location based services. , 2008, , .		575
90	DCMP: A Distributed Cycle Minimization Protocol for Peer-to-Peer Networks. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 363-377.	4.0	13

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91	Privacy-preserving anonymization of set-valued data. Proceedings of the VLDB Endowment, 2008, 1, 115-125.	2.1	200
92	On the Anonymization of Sparse High-Dimensional Data. , 2008, , .		107
93	Privacy-Preserving Publication of User Locations in the Proximity of Sensitive Sites. Lecture Notes in Computer Science, 2008, , 95-113.	1.0	6
94	Top-k OLAP Queries Using Augmented Spatial Access Methods. , 2008, , 1156-1161.		0
95	POEMS: Peer-Based Overload Management. Lecture Notes in Computer Science, 2008, , 350-365.	1.0	0
96	PRIVE. , 2007, , .		315
97	Preventing Location-Based Identity Inference in Anonymous Spatial Queries. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 1719-1733.	4.0	516
98	MobiHide: A Mobilea Peer-to-Peer System for Anonymous Location-Based Queries. Lecture Notes in Computer Science, 2007, , 221-238.	1.0	104
99	Answering similarity queries in peer-to-peer networks. Information Systems, 2006, 31, 57-72.	2.4	51
100	Real Datasets for File-Sharing Peer-to-Peer Systems. Lecture Notes in Computer Science, 2005, , 201-213.	1.0	14
101	Generalized multidimensional data mapping and query processing. ACM Transactions on Database Systems, 2005, 30, 661-697.	1.5	21
102	On Discovering Moving Clusters in Spatio-temporal Data. Lecture Notes in Computer Science, 2005, , 364-381.	1.0	287
103	Evaluation of Top-k OLAP Queries Using Aggregate Râ€"Trees. Lecture Notes in Computer Science, 2005, , 236-253.	1.0	8
104	Answering similarity queries in peer-to-peer networks. , 2004, , .		4
105	Efficient Processing of Distributed Iceberg Semi-joins. Lecture Notes in Computer Science, 2004, , 634-643.	1.0	0
106	Multi-query optimization for on-line analytical processing. Information Systems, 2003, 28, 457-473.	2.4	22
107	Optimization of Spatial Joins on Mobile Devices. Lecture Notes in Computer Science, 2003, , 233-251.	1.0	15
108	An adaptive peer-to-peer network for distributed caching of OLAP results. , 2002, , .		70

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109	View selection using randomized search. Data and Knowledge Engineering, 2002, 42, 89-111.	2.1	74
110	Efficient OLAP Operations in Spatial Data Warehouses. Lecture Notes in Computer Science, 2001, , 443-459.	1.0	210
111	Proxy-server architectures for OLAP. , 2001, , .		18
112	Content-based retrieval using heuristic search. , 1999, , .		22