Ambuj K Singh

List of Publications by Year
in descending order

35 papers	635 citations
1307366 7 h-index	713332 21 g-index
35 all docs	35 docs citations
35 times ranked	631 citing authors

#	Article	IF	Citations
1	GraphSig: A Scalable Approach to Mining Significant Subgraphs in Large Graph Databases. Proceedings - International Conference on Data Engineering, 2009, , .	0.0	104
2	Polar Opinion Dynamics in Social Networks. IEEE Transactions on Automatic Control, 2017, 62, 5650-5665.	3.6	89
3	Dimensionality reduction for similarity searching in dynamic databases. SIGMOD Record, 1998, 27, 166-176.	0.7	85
4	Mining Heavy Subgraphs in Time-Evolving Networks. , 2011, , .		83
5	Top-k Spatial Joins of Probabilistic Objects. , 2008, , .		49
6	Efficient multicasting for delay tolerant networks using graph indexing. , 2012, , .		38
7	Efficient and Robust Detection of Duplicate Videos in a Large Database. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 870-885.	5.6	30
8	Structural balance emerges and explains performance in risky decision-making. Nature Communications, 2019, 10, 2648.	5.8	21
9	CoMET: A Mesquite Package for Comparing Models of Continuous Character Evolution on Phylogenies. Evolutionary Bioinformatics, 2006, 2, 117693430600200.	0.6	19
10	Dynamic Query-Based Debugging of Object-Oriented Programs. Automated Software Engineering, 2003, 10, 39-74.	2.2	13
11	Hierarchical in-network attribute compression via importance sampling. , 2015, , .		9
12	Towards Community Discovery in Signed Collaborative Interaction Networks. , 2010, , .		8
13	Modulating ALS-Related Amyloidogenic TDP-43$_{307–319}$ Oligomeric Aggregates with Computationally Derived Therapeutic Molecules. Biochemistry, 2020, 59, 499-508.	1.2	8
14	Tree++: Truncated Tree Based Graph Kernels. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1778-1789.	4.0	7
15	Query-based debugging of object-oriented programs. ACM SIGPLAN Notices, 1997, 32, 304-317.	0.2	6
16	Content-based Modeling and Prediction of Information Dissemination. , 2011, , .		6
17	Learning Deep Graph Representations via Convolutional Neural Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2268-2279.	4.0	6
18	MAP: SEARCHING LARGE GENOME DATABASES. , 2002, , .		6

#	Article	IF	Citations
19	Modeling high-dimensional index structures using sampling. SIGMOD Record, 2001, 30, 389-400.	0.7	4
20	Geo-clustering of Images with Missing GeoTags. , 2010, , .		4
21	Efficient tracking and querying for coordinated uncertain mobile objects. , 2013, , .		4
22	On Critical Event Observability Using Social Networks: A Disaster Monitoring Perspective. , 2014, , .		4
23	A Distance Measure for the Analysis of Polar Opinion Dynamics in Social Networks. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-34.	2.5	4
24	The 1995-2018 global evolution of the network of amicable and hostile relations among nation-states. Communications Physics, 2020, 3, .	2.0	4
25	Incorporating User's Preference into Attributed Graph Clustering. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3716-3728.	4.0	4
26	Predictive models for human–AI nexus in group decision making. Annals of the New York Academy of Sciences, 2022, 1514, 70-81.	1.8	4
27	Querying and Mining Biological Databases. OMICS A Journal of Integrative Biology, 2003, 7, 7-8.	1.0	3
28	Static and Dynamic Structural Correlations in Graphs. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2147-2160.	4.0	3
29	Approximate Algorithms for Data-driven Influence Limitation. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	3
30	Browsing and placement of multi-resolution images on parallel disks. Multimedia Systems, 2003, 8, 459-469.	3.0	2
31	Making a Small World Smaller: Path Optimization in Networks. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1533-1546.	4.0	2
32	FASTER SIMILARITY SEARCH FOR MULTIMEDIA DATA VIA QUERY TRANSFORMATIONS. International Journal of Image and Graphics, 2003, 03, 3-29.	1.2	1
33	Applications of Top-k Representative Queries. , 2014, , .		1
34	Spatial coherence of oriented white matter microstructure: Applications to white matter regions associated with genetic similarity. NeuroImage, 2018, 172, 390-403.	2.1	1
35	Learning Multiclassifiers with Predictive Features that Vary with Data Distribution. , 2018, , .		0