

Sharad Mehrotra

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95 papers	3,073 citations	23 h-index	54 g-index
107 ext. papers	3,646 ext. citations	2.4 avg, IF	5.06 L-index

#	Paper	IF	Citations
95	Quest: Privacy-Preserving Monitoring of Network Data: A System for Organizational Response to Pandemics. <i>IEEE Transactions on Services Computing</i> , 2022 , 1-1	4.8	
94	PRISM: Private Verifiable Set Computation over Multi-Owner Outsourced Databases 2021 ,		3
93	REAM: A Framework for Resource Efficient Adaptive Monitoring of Community Spaces. <i>Pervasive and Mobile Computing</i> , 2021 , 76, 101459	3.5	
92	Designing privacy preserving data sharing middleware for internet of things 2020 ,		1
91	SmartBench. <i>Proceedings of the VLDB Endowment</i> , 2020 , 13, 1807-1820	3.1	6
90	Obscure: Information-Theoretically Secure, Oblivious, and Verifiable Aggregation Queries on Secret-Shared Outsourced Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	
89	Adaptive Mediation for Data Exchange in IoT Systems 2019 ,		3
88	Obscure. <i>Proceedings of the VLDB Endowment</i> , 2019 , 12, 1030-1043	3.1	2
87	ProgressER. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2018 , 12, 1-45	4	4
86	FireDeX 2018 ,		5
85	An Implementation Experience with SDN-enabled IoT Data Exchange Middleware 2018 ,		1
84	Trustworthy Sensing in an Untrusted IoT Environment 2018 ,		3
83	Secure and Efficient Query Processing over Hybrid Clouds 2017 ,		12
82	QDA: A Query-Driven Approach to Entity Resolution. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 402-417	4.2	3
81	Ditio 2017 ,		11
80	Query-Driven Approach to Face Clustering and Tagging. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4504-13	8.7	5
79	CONTEXT ASSISTED PERSON IDENTIFICATION FOR IMAGES AND VIDEOS 2016 , 197-216		1

78	TIPPERS: A privacy cognizant IoT environment 2016 ,		16
77	On Summarization and Timeline Generation for Evolutionary Tweet Streams. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 1301-1315	4.2	45
76	Query Aware Determinization of Uncertain Objects. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 207-221	4.2	14
75	Efficient and Reliable Application Layer Multicast for Flash Dissemination. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2014 , 25, 2571-2582	3.7	3
74	Context-assisted face clustering framework with human-in-the-loop. <i>International Journal of Multimedia Information Retrieval</i> , 2014 , 3, 69-88	2.4	6
73	Scheduling sensors for monitoring sentient spaces using an approximate POMDP policy. <i>Pervasive and Mobile Computing</i> , 2014 , 10, 83-103	3.5	6
72	Progressive approach to relational entity resolution. <i>Proceedings of the VLDB Endowment</i> , 2014 , 7, 999-1010	3.10	37
71	Simulation integration: using multidatabase systems concepts. <i>Simulation</i> , 2014 , 90, 1268-1289	1.2	2
70	W3-privacy: understanding what, when, and where inference channels in multi-camera surveillance video. <i>Multimedia Tools and Applications</i> , 2014 , 68, 135-158	2.5	40
69	Context-based person identification framework for smart video surveillance. <i>Machine Vision and Applications</i> , 2014 , 25, 1711-1725	2.8	18
68	Secure Computation on Outsourced Data: A 10-year Retrospective. <i>Lecture Notes in Computer Science</i> , 2014 , 16-27	0.9	2
67	A middleware approach for outsourcing data securely. <i>Computers and Security</i> , 2013 , 32, 252-266	4.9	5
66	BigSecret: A Secure Data Management Framework for Key-Value Stores 2013 ,		25
65	Scheduling sensors for monitoring sentient spaces using an approximate POMDP policy 2013 ,		1
64	Record Linkage: A 10-Year Retrospective. <i>Lecture Notes in Computer Science</i> , 2013 , 3-12	0.9	0
63	Query-driven approach to entity resolution. <i>Proceedings of the VLDB Endowment</i> , 2013 , 6, 1846-1857	3.1	23
62	Adaptive Connection Strength Models for Relationship-Based Entity Resolution. <i>Journal of Data and Information Quality</i> , 2013 , 4, 1-22	2.5	9
61	A unified framework for context assisted face clustering 2013 ,		20

60	CCD: A Distributed Publish/Subscribe Framework for Rich Content Formats. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2012 , 23, 844-852	3.7	5
59	CloudProtect: Managing Data Privacy in Cloud Applications 2012 ,		14
58	MAPCloud: Mobile Applications on an Elastic and Scalable 2-Tier Cloud Architecture 2012 ,		94
57	Risk-Aware Workload Distribution in Hybrid Clouds 2012 ,		14
56	Adaptive Transformation for Robust Privacy Protection in Video Surveillance. <i>Advances in Multimedia</i> , 2012 , 2012, 1-14	0.9	17
55	Exploiting Web querying for Web people search. <i>ACM Transactions on Database Systems</i> , 2012 , 37, 1-41	1.6	37
54	Secure multidimensional range queries over outsourced data. <i>VLDB Journal</i> , 2012 , 21, 333-358	3.9	133
53	Attribute and object selection queries on objects with probabilistic attributes. <i>ACM Transactions on Database Systems</i> , 2012 , 37, 1-41	1.6	13
52	Indexing Encrypted Documents for Supporting Efficient Keyword Search. <i>Lecture Notes in Computer Science</i> , 2012 , 93-110	0.9	6
51	A Semantics-Based Approach for Speech Annotation of Images. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2011 , 23, 1373-1387	4.2	4
50	SATware: A Semantic Approach for Building Sentient Spaces 2011 , 389-402		2
49	Building disclosure risk aware query optimizers for relational databases. <i>Proceedings of the VLDB Endowment</i> , 2010 , 3, 13-24	3.1	10
48	Practical experiences in enabling and ensuring quality sensing in emergency response applications 2010 ,		3
47	Gateway designation for timely communications in instant mesh networks 2010 ,		1
46	Privacy modeling for video data publication 2010 ,		16
45	SEARTCam scheduler: semantics driven real-time data collection from indoor camera networks to maximize event detection. <i>Journal of Real-Time Image Processing</i> , 2010 , 5, 215-230	1.9	4
44	WEST: Modern Technologies for Web People Search. <i>Proceedings - International Conference on Data Engineering</i> , 2009 ,	2	4
43	Using Semantics for Speech Annotation of Images. <i>Proceedings - International Conference on Data Engineering</i> , 2009 ,	2	3

42	Exploiting context analysis for combining multiple entity resolution systems 2009 ,		51
41	A reflective middleware architecture for simulation integration 2009 ,		3
40	Fault Tolerant Evaluation of Continuous Selection Queries over Sensor Data. <i>International Journal of Distributed Sensor Networks</i> , 2009 , 5, 338-360	1.7	5
39	The software EBox: Integrated information for situational awareness 2009 ,		1
38	Privacy-preserving event detection in pervasive spaces 2009 ,		6
37	SMPL, a Specification Based Framework for the Semantic Structure, Annotation and Control of SMIL Documents 2009 ,		2
36	Dynamic Load Balancing for Cluster-Based Publish/Subscribe System 2009 ,		4
35	Exploiting semantics for scheduling real-time data collection from sensors to maximize event detection 2009 ,		3
34	XAR: An Integrated Framework for Information Extraction 2009 ,		6
33	A Fast and Robust Content-based Publish/Subscribe Architecture 2008 ,		7
32	Toward Managing Uncertain Spatial Information for Situational Awareness Applications. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 1408-1423	4.2	12
31	Web People Search via Connection Analysis. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 1550-1565	4.2	37
30	Design and Implementation of a Middleware for Sentient Spaces 2007 ,		6
29	Architecture for an Automatic Customized Warning System 2007 ,		10
28	Grouping and Aggregate queries Over Semantic Web Databases 2007 ,		2
27	Flexible Anonymization For Privacy Preserving Data Publishing: A Systematic Search Based Approach 2007 ,		9
26	Application-aware integration of data collection and power management in wireless sensor networks. <i>Journal of Parallel and Distributed Computing</i> , 2007 , 67, 992-1006	4.4	8
25	Semantically Ranked Graph Pattern Queries for Link Analysis 2007 ,		1

24	Adaptive graphical approach to entity resolution 2007 ,		31
23	Disambiguation Algorithm for People Search on the Web 2007 ,		10
22	Sensor Scheduling for Aggregate Monitoring in Wireless Sensor Networks. <i>International Conference on Scientific and Statistical Database Management: [proceedings] International Conference on Scientific and Statistical Database Management</i> , 2007 ,		3
21	AGGREGATE QUERY PROCESSING FOR SEMANTIC WEB DATABASES: AN ALGEBRAIC APPROACH. <i>International Journal of Semantic Computing</i> , 2007 , 01, 479-495	0.7	1
20	Processing Spatial-Keyword (SK) Queries in Geographic Information Retrieval (GIR) Systems. <i>International Conference on Scientific and Statistical Database Management: [proceedings] International Conference on Scientific and Statistical Database Management</i> , 2007 ,		108
19	Domain-independent data cleaning via analysis of entity-relationship graph. <i>ACM Transactions on Database Systems</i> , 2006 , 31, 716-767	1.6	108
18	Exploiting relationships for domain-independent data cleaning 2005 ,		70
17	Exploiting relationships for object consolidation 2005 ,		27
16	A Privacy-Preserving Index for Range Queries 2004 , 720-731		175
15	Privacy protecting data collection in media spaces 2004 ,		71
14	Relevance feedback techniques in the MARS image retrieval system. <i>Multimedia Systems</i> , 2004 , 9, 535-547	2	21
13	Energy efficient data collection in distributed sensor environments 2004 ,		43
12	Efficient Execution of Aggregation Queries over Encrypted Relational Databases. <i>Lecture Notes in Computer Science</i> , 2004 , 125-136	0.9	79
11	QUASAR. <i>SIGMOD Record</i> , 2004 , 33, 26-31	1.1	40
10	Executing SQL over encrypted data in the database-service-provider model 2002 ,		366
9	Dimensionality Reduction for Fast Similarity Search in Large Time Series Databases. <i>Knowledge and Information Systems</i> , 2001 , 3, 263-286	2.4	755
8	Overcoming Heterogeneity and Autonomy in Multidatabase Systems. <i>Information and Computation</i> , 2001 , 167, 132-172	0.8	3
7	Progressive approximate aggregate queries with a multi-resolution tree structure. <i>SIGMOD Record</i> , 2001 , 30, 401-412	1.1	39

6	Locally adaptive dimensionality reduction for indexing large time series databases. <i>SIGMOD Record</i> , 2001 , 30, 151-162	1.1	204
5	Efficient concurrency control in multidimensional access methods. <i>SIGMOD Record</i> , 1999 , 28, 25-36	1.1	2
4	Ensuring transaction atomicity in multidatabase systems 1992 ,		9
3	Sensor data collection with expected reliability guarantees		3
2	Database Support for Multimedia Applications161-210		
1	Grouping and Aggregate queries Over Semantic Web Databases		1