

Sourav S Bhowmick

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8118317/sourav-s-bhowmick-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

188 papers	1,526 citations	19 h-index	29 g-index
219 ext. papers	1,889 ext. citations	2.3 avg, IF	4.81 L-index

#	Paper	IF	Citations
188	FLAG: Towards Graph Query Autocompletion for Large Graphs. <i>Data Science and Engineering</i> , 2022 , 7, 175	3.6	3
187	PIANO: Influence Maximization Meets Deep Reinforcement Learning. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-13	4.5	1
186	No PANE, No Gain. <i>SIGMOD Record</i> , 2022 , 51, 42-49	1.1	0
185	Towards plug-and-play visual graph query interfaces. <i>Proceedings of the VLDB Endowment</i> , 2021 , 14, 1979-1991	9.1	15
184	A Generic Ontology Framework for Indexing Keyword Search on Massive Graphs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 33, 2322-2336	4.2	3
183	Efficient Shapelet Discovery for Time Series Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	8
182	FERRARI: an efficient framework for visual exploratory subgraph search in graph databases. <i>VLDB Journal</i> , 2020 , 29, 973-998	3.9	3
181	LATTE: Visual Construction of Smart Contracts 2020 ,		2
180	G-CARE: A Framework for Performance Benchmarking of Cardinality Estimation Techniques for Subgraph Matching 2020 ,		6
179	FROST. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2020 , 11, 1-26	8	0
178	Visualet 2020 ,		1
177	CHASSIS: Conformity Meets Online Information Diffusion 2020 ,		1
176	BRUNCH: Branching Structure Inference of Hybrid Multivariate Hawkes Processes with Application to Social Media. <i>Lecture Notes in Computer Science</i> , 2020 , 553-566	0.9	2
175	GFocus: User Focus-based Graph Query Autocompletion. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	2
174	PPKWS: An Efficient Framework for Keyword Search on Public-Private Networks 2020 ,		3
173	SURGE: Continuous Detection of Bursty Regions Over a Stream of Spatial Objects. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 2254-2268	4.2	0
172	An Indexing Framework for Efficient Visual Exploratory Subgraph Search in Graph Databases 2019 ,		1

171	Efficient Estimation of Heat Kernel PageRank for Local Clustering 2019 ,		2
170	FGreat: Focused Graph Query Autocompletion 2019 ,		2
169	Mapping Entity Sets in News Archives Across Time. <i>Data Science and Engineering</i> , 2019 , 4, 208-222	3.6	1
168	CATAPULT 2019 ,		8
167	Document in Context of its Time (DICT) 2019 ,		2
166	Path Travel Time Estimation using Attribute-related Hybrid Trajectories Network 2019 ,		4
165	Typicality-Based Across-Time Mapping of Entity Sets in Document Archives. <i>Lecture Notes in Computer Science</i> , 2019 , 350-366	0.9	1
164	On-demand recent personal tweets summarization on mobile devices. <i>Journal of the Association for Information Science and Technology</i> , 2019 , 70, 547-562	2.7	3
163	TROVE: a user-friendly tool for visualizing and analyzing cancer hallmarks in signaling networks. <i>Bioinformatics</i> , 2018 , 34, 314-316	7.2	
162	Killing Two Birds With One Stone 2018 ,		1
161	Human Interaction with Graphs: A Visual Querying Perspective. <i>Synthesis Lectures on Data Management</i> , 2018 , 10, 1-208	1.8	
160	PISTIS 2018 ,		1
159	BOOMER 2018 ,		9
158	PANDA. <i>Proceedings of the VLDB Endowment</i> , 2018 , 11, 1966-1969	3.1	1
157	DANTE. <i>SIGMOD Record</i> , 2018 , 47, 67-72	1.1	
156	Every Word has its History 2018 ,		2
155	SURGE: Continuous Detection of Bursty Regions over a Stream of Spatial Objects 2018 ,		6
154	Ranking Without Learning 2018 ,		3

153	Graph Querying Meets HCI 2017 ,		7
152	PINOCCHIO: Probabilistic Influence-Based Location Selection over Moving Objects 2017 ,		4
151	PANDA: toward partial topology-based search on large networks in a single machine. <i>VLDB Journal</i> , 2017 , 26, 203-228	3.9	7
150	Synergistic target combination prediction from curated signaling networks: Machine learning meets systems biology and pharmacology. <i>Methods</i> , 2017 , 129, 60-80	4.6	8
149	VISUAL: Simulation of Visual Subgraph Query Formulation to Enable Automated Performance Benchmarking. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 1765-1778	4.2	4
148	AutoG: a visual query autocompletion framework for graph databases. <i>VLDB Journal</i> , 2017 , 26, 347-372	3.9	16
147	Summarizing static and dynamic big graphs. <i>Proceedings of the VLDB Endowment</i> , 2017 , 10, 1981-1984	3.1	12
146	Conflict of Interest Declaration and Detection System in Heterogeneous Networks 2017 ,		4
145	TOTEM 2017 ,		4
144	PICASSO. <i>Proceedings of the VLDB Endowment</i> , 2017 , 10, 1861-1864	3.1	12
143	Multi-faceted Functional Decomposition. <i>Computational Biology</i> , 2017 , 95-116	0.7	
142	Plug-and-Play Queries for Temporal Data Sockets. <i>Lecture Notes in Computer Science</i> , 2017 , 124-136	0.9	
141	Differential Functional Summarization. <i>Computational Biology</i> , 2017 , 117-138	0.7	
140	Functional Summarization. <i>Computational Biology</i> , 2017 , 59-94	0.7	
139	Towards Best Region Search for Data Exploration 2016 ,		24
138	Data-driven visual graph query interface construction and maintenance. <i>Proceedings of the VLDB Endowment</i> , 2016 , 9, 984-992	3.1	8
137	The Past is Not a Foreign Country: Detecting Semantically Similar Terms across Time. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 2793-2807	4.2	17
136	Clustering and Summarizing Protein-Protein Interaction Networks: A Survey. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 638-658	4.2	43

135	AutoG. <i>Proceedings of the VLDB Endowment</i> , 2016 , 9, 1505-1508	3.1	9
134	TAPESTRY 2016 ,		1
133	PINOCCHIO: Probabilistic Influence-Based Location Selection over Moving Objects. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 3068-3082	4.2	11
132	DUALSIM 2016 ,		34
131	Structure-Preserving Subgraph Query Services. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 2275-2290	4.2	8
130	TENET: topological feature-based target characterization in signalling networks. <i>Bioinformatics</i> , 2015 , 31, 3306-14	7.2	4
129	Computational cell fate modelling for discovery of rewiring in apoptotic network for enhanced cancer drug sensitivity. <i>BMC Systems Biology</i> , 2015 , 9 Suppl 1, S4	3.5	6
128	GetReal 2015 ,		20
127	2015 ,		4
126	Asymmetric structure-preserving subgraph queries for large graphs 2015 ,		9
125	DaVinci: Data-driven visual interface construction for subgraph search in graph databases 2015 ,		8
124	Authenticated Subgraph Similarity Search in Outsourced Graph Databases. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 1838-1860	4.2	9
123	ViSual: An HCI-inspired simulator for blending visual subgraph query construction and processing 2015 ,		5
122	Conformity-aware influence maximization in online social networks. <i>VLDB Journal</i> , 2015 , 24, 117-141	3.9	55
121	Interruption-Sensitive Empty Result Feedback 2015 ,		4
120	PRISM. <i>Proceedings of the VLDB Endowment</i> , 2015 , 8, 1868-1871	3.1	0
119	Virtual eXist-db. <i>Proceedings of the VLDB Endowment</i> , 2015 , 8, 1932-1935	3.1	
118	Towards Efficient Authenticated Subgraph Query Service in Outsourced Graph Databases. <i>IEEE Transactions on Services Computing</i> , 2014 , 7, 696-713	4.8	15

117	DualAligner: a dual alignment-based strategy to align protein interaction networks. <i>Bioinformatics</i> , 2014 , 30, 2619-26	7.2	14
116	Side-Effect Estimation: A Filtering Approach to the View Update Problem. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2307-2322	4.2	1
115	DiffNet: automatic differential functional summarization of dE-MAP networks. <i>Methods</i> , 2014 , 69, 247-54	6.6	7
114	PRISM 2014 ,		12
113	Why not, WINE? 2014 ,		2
112	Querying virtual hierarchies using virtual prefix-based numbers 2014 ,		2
111	Summarizing social image search results 2014 ,		3
110	In search of influential event organizers in online social networks 2014 ,		38
109	QUBLE: towards blending interactive visual subgraph search queries on large networks. <i>VLDB Journal</i> , 2014 , 23, 401-426	3.9	18
108	Affinity-driven blog cascade analysis and prediction. <i>Data Mining and Knowledge Discovery</i> , 2014 , 28, 442-474	5.6	4
107	DB ? HCI: Towards Bridging the Chasm between Graph Data Management and HCI. <i>Lecture Notes in Computer Science</i> , 2014 , 1-11	0.9	3
106	Stars on steroids: Fast evaluation of multi-source star twig queries in path materialization-based XML databases. <i>Data and Knowledge Engineering</i> , 2013 , 88, 179-205	1.5	
105	Incremental Maintenance of the Minimum Bisimulation of Cyclic Graphs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 2536-2550	4.2	2
104	MESSIAH 2013 ,		7
103	Why not, WINE? 2013 ,		16
102	QUBLE 2013 ,		8
101	MustBlend: Blending Visual Multi-Source Twig Query Formulation and Query Processing in RDBMS. <i>Lecture Notes in Computer Science</i> , 2013 , 228-243	0.9	4
100	ANDES: efficient evaluation of NOT-twig queries in relational databases. <i>VLDB Journal</i> , 2012 , 21, 889-914	3.9	2

99	Querying XML Data: As You Shape It 2012 ,		3
98	FUSE: a profit maximization approach for functional summarization of biological networks. <i>BMC Bioinformatics</i> , 2012 , 13 Suppl 3, S10	3.6	19
97	Plasmin triggers a switch-like decrease in thrombospondin-dependent activation of TGF- β . <i>Biophysical Journal</i> , 2012 , 103, 1060-8	2.9	23
96	Content is still king 2012 ,		9
95	FACETS: multi-faceted functional decomposition of protein interaction networks. <i>Bioinformatics</i> , 2012 , 28, 2624-31	7.2	1
94	Efficient algorithms for generalized subgraph query processing 2012 ,		9
93	CASIS 2012 ,		4
92	STEROID 2012 ,		1
91	Integrating historical noisy answers for improving data utility under differential privacy 2012 ,		2
90	PRAGUE: Towards Blending Practical Visual Subgraph Query Formulation and Query Processing 2012 ,		20
89	SINBAD: Towards Structure-Independent Querying of Common Neighbors in XML Databases. <i>Lecture Notes in Computer Science</i> , 2012 , 156-171	0.9	3
88	Stars on Steroids: Fast Evaluation of Multi-source Star Twig Queries in RDBMS. <i>Lecture Notes in Computer Science</i> , 2012 , 110-125	0.9	
87	Steady states and dynamics of urokinase-mediated plasmin activation in silico and in vitro. <i>Biophysical Journal</i> , 2011 , 101, 1825-34	2.9	7
86	AffRank: Affinity-driven ranking of products in online social rating networks. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 1345-1359		9
85	Tag-based social image retrieval: An empirical evaluation. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 2364-2381		39
84	GBLENDER 2011 ,		8
83	CASINO 2011 ,		25
82	Social image tag recommendation by concept matching 2011 ,		15

81	Fuse 2011 ,		2
80	Pani 2011 ,		4
79	Efficient maintenance of common keys in archives of continuous query results from deep websites 2011 ,		1
78	Efficient Evaluation of NOT-Twig Queries in Tree-Unaware Relational Databases. <i>Lecture Notes in Computer Science</i> , 2011 , 511-527	0.9	4
77	Optimizing Incremental Maintenance of Minimal Bisimulation of Cyclic Graphs. <i>Lecture Notes in Computer Science</i> , 2011 , 543-557	0.9	2
76	Quantifying Visual-Representativeness of Social Image Tags Using Image Tag Clarity 2011 , 3-23		4
75	GBLENDER 2010 ,		25
74	Affinity-driven prediction and ranking of products in online product review sites 2010 ,		11
73	Quantifying tag representativeness of visual content of social images 2010 ,		25
72	Cell-delivery therapeutics for liver regeneration. <i>Advanced Drug Delivery Reviews</i> , 2010 , 62, 814-26	18.5	32
71	Using XMorph to transform XML data. <i>Proceedings of the VLDB Endowment</i> , 2010 , 3, 1541-1544	3.1	2
70	BIDEL: An XML-Based System for Effective Fast Change Detection of Genomic and Proteomic Data. <i>Lecture Notes in Computer Science</i> , 2010 , 472-476	0.9	
69	Efficient Database-Driven Evaluation of Security Clearance for Federated Access Control of Dynamic XML Documents. <i>Lecture Notes in Computer Science</i> , 2010 , 299-306	0.9	4
68	i AVATAR. <i>Proceedings of the VLDB Endowment</i> , 2010 , 3, 1609-1612	3.1	1
67	XBLEND: Visual XML Query Formulation Meets Query Processing. <i>Proceedings - International Conference on Data Engineering</i> , 2009 ,	2	1
66	NEAR-Miner. <i>Proceedings of the VLDB Endowment</i> , 2009 , 2, 1150-1161	3.1	
65	Blog cascade affinity 2009 ,		7
64	Towards non-directional Xpath evaluation in a RDBMS 2009 ,		2

63	COWES: Web user clustering based on evolutionary web sessions. <i>Data and Knowledge Engineering</i> , 2009 , 68, 867-885	1.5	6
62	Image tag clarity 2009 ,		27
61	On the Discovery of Conserved XML Query Patterns for Evolution-Conscious Caching. <i>Lecture Notes in Computer Science</i> , 2009 , 527-542	0.9	
60	In the Search of NECTARs from Evolutionary Trees. <i>Lecture Notes in Computer Science</i> , 2009 , 714-729	0.9	3
59	Characterizing and predicting community members from evolutionary and heterogeneous networks 2008 ,		11
58	An XML Schema integration and query mechanism system. <i>Data and Knowledge Engineering</i> , 2008 , 65, 266-303	1.5	22
57	XML Data Integration Based on Content and Structure Similarity Using Keys. <i>Lecture Notes in Computer Science</i> , 2008 , 484-493	0.9	8
56	DTD-Diff: A change detection algorithm for DTDs. <i>Data and Knowledge Engineering</i> , 2007 , 61, 384-402	1.5	19
55	Mapping, indexing and querying of MPEG-7 descriptors in RDBMS with IXMDB. <i>Data and Knowledge Engineering</i> , 2007 , 63, 224-257	1.5	3
54	Efficient processing of XPath queries using indexes. <i>Information Systems</i> , 2007 , 32, 131-159	2.7	4
53	A transaction model and multiversion concurrency control for mobile database systems. <i>Distributed and Parallel Databases</i> , 2007 , 22, 165-196	0.9	11
52	XANADUE 2007 ,		7
51	Efficient evaluation of high-selective xml twig patterns with parent child edges in tree-unaware rdbms 2007 ,		5
50	BioDIFF: An Effective Fast Change Detection Algorithm for Biological Annotations. <i>Lecture Notes in Computer Science</i> , 2007 , 275-287	0.9	1
49	Efficient XML Query Processing in RDBMS Using GUI-Driven Prefetching in a Single-User Environment. <i>Lecture Notes in Computer Science</i> , 2007 , 819-833	0.9	2
48	Efficient Support for Ordered XPath Processing in Tree-Unaware Commercial Relational Databases 2007 , 793-806		5
47	Xandy: A scalable change detection technique for ordered XML documents using relational databases. <i>Data and Knowledge Engineering</i> , 2006 , 59, 476-507	1.5	13
46	Efficient recursive XML query processing using relational database systems. <i>Data and Knowledge Engineering</i> , 2006 , 58, 207-242	1.5	9

45	XML structural delta mining: Issues and challenges. <i>Data and Knowledge Engineering</i> , 2006 , 59, 627-651	1.5	14
44	Time-dependent semantic similarity measure of queries using historical click-through data 2006 ,		27
43	FRACTURE mining: Mining frequently and concurrently mutating structures from historical XML documents. <i>Data and Knowledge Engineering</i> , 2006 , 59, 320-347	1.5	7
42	A Tale of Two Approaches: Query Performance Study of XML Storage Strategies in Relational Databases. <i>Lecture Notes in Computer Science</i> , 2006 , 149-160	0.9	
41	iWed: An Integrated Multigraph Cut-Based Approach for Detecting Events from a Website. <i>Lecture Notes in Computer Science</i> , 2006 , 351-360	0.9	2
40	COWES: Clustering Web Users Based on Historical Web Sessions. <i>Lecture Notes in Computer Science</i> , 2006 , 541-556	0.9	5
39	DTD-Diff: A Change Detection Algorithm for DTDs. <i>Lecture Notes in Computer Science</i> , 2006 , 817-827	0.9	5
38	Oxone: A Scalable Solution for Detecting Superior Quality Deltas on Ordered Large XML Documents. <i>Lecture Notes in Computer Science</i> , 2006 , 196-211	0.9	4
37	Bio2X: a rule-based approach for semi-automatic transformation of semi-structured biological data to XML. <i>Data and Knowledge Engineering</i> , 2005 , 52, 249-271	1.5	5
36	DEQUE: querying the deep web. <i>Data and Knowledge Engineering</i> , 2005 , 52, 273-311	1.5	14
35	Xandy: Detecting Changes on Large Unordered XML Documents Using Relational Databases. <i>Lecture Notes in Computer Science</i> , 2005 , 711-723	0.9	15
34	HW-STALKER: A machine learning-based system for transforming QURE-Pagelets to XML. <i>Data and Knowledge Engineering</i> , 2005 , 54, 241-276	1.5	3
33	FASST Mining: Discovering Frequently Changing Semantic Structure from Versions of Unordered XML Documents. <i>Lecture Notes in Computer Science</i> , 2005 , 724-735	0.9	1
32	Mining conserved XML query paths for dynamic-conscious caching 2005 ,		3
31	WAM-Miner 2005 ,		4
30	Detecting changes on unordered XML documents using relational databases 2005 ,		14
29	Detecting Semantically Correct Changes to Relevant Unordered Hidden Web Data. <i>Lecture Notes in Computer Science</i> , 2005 , 395-405	0.9	
28	SM3+: An XML Database Solution for the Management of MPEG-7 Descriptions. <i>Lecture Notes in Computer Science</i> , 2005 , 134-144	0.9	2

27	Discovering frequently changing structures from historical structural deltas of unordered XML 2004 ,		13
26	Mining Association Rules from Structural Deltas of Historical XML Documents. <i>Lecture Notes in Computer Science</i> , 2004 , 452-457	0.9	9
25	SUCXENT: An Efficient Path-Based Approach to Store and Query XML Documents. <i>Lecture Notes in Computer Science</i> , 2004 , 285-295	0.9	13
24	Detecting Content Changes on Ordered XML Documents Using Relational Databases. <i>Lecture Notes in Computer Science</i> , 2004 , 580-590	0.9	7
23	HW-STALKER: A Machine Learning-Based Approach to Transform Hidden Web Data to XML. <i>Lecture Notes in Computer Science</i> , 2004 , 936-946	0.9	2
22	Mining Maximal Frequently Changing Subtree Patterns from XML Documents. <i>Lecture Notes in Computer Science</i> , 2004 , 68-76	0.9	9
21	Discovering Pattern-Based Dynamic Structures from Versions of Unordered XML Documents. <i>Lecture Notes in Computer Science</i> , 2004 , 77-86	0.9	5
20	Mining History of Changes to Web Access Patterns. <i>Lecture Notes in Computer Science</i> , 2004 , 521-523	0.9	3
19	Efficient Recursive XML Query Processing in Relational Database Systems. <i>Lecture Notes in Computer Science</i> , 2004 , 493-510	0.9	6
18	Detecting and representing relevant Web deltas in WHOWEDA. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2003 , 15, 423-441	4.2	5
17	Representation of Web Data in A Web Warehouse. <i>Computer Journal</i> , 2003 , 46, 229-262	1.3	2
16	Constraint-driven join processing in a Web Warehouse. <i>Data and Knowledge Engineering</i> , 2003 , 45, 33-78	1.5	0
15	Formulating disjunctive coupling queries in a web warehouse. <i>Data and Knowledge Engineering</i> , 2003 , 46, 1-40	1.5	
14	Deriving and verifying statistical distribution of a hyperlink-based Web page quality metric. <i>Data and Knowledge Engineering</i> , 2003 , 46, 291-315	1.5	5
13	Anatomy of the coupling query in a web warehouse. <i>Information and Software Technology</i> , 2002 , 44, 513-529	3.4	5
12	What can a web bag discover for you?. <i>Data and Knowledge Engineering</i> , 2002 , 43, 79-119	1.5	
11	Mobile data and transaction management. <i>Information Sciences</i> , 2002 , 141, 279-309	7.7	26
10	A survey of Web metrics. <i>ACM Computing Surveys</i> , 2002 , 34, 469-503	13.4	112

9	Modelling and Predicting Web Page Accesses Using Burrell's Model. <i>Lecture Notes in Computer Science</i> , 2002 , 172-181	0.9	1
8	Constraint-Free Join Processing on Hyperlinked Web Data. <i>Lecture Notes in Computer Science</i> , 2002 , 255-264	0.9	1
7	Deriving and Verifying Statistical Distribution of a Hyperlink-Based Web Page Quality Metric. <i>Lecture Notes in Computer Science</i> , 2002 , 19-28	0.9	4
6	Schemas for web data: a reverse engineering approach. <i>Data and Knowledge Engineering</i> , 2001 , 39, 105-142	1.5	3
5	On Formulation of Disjunctive Coupling Queries in WHOWEDA. <i>Lecture Notes in Computer Science</i> , 2001 , 688-698	0.9	2
4	Imposing Disjunctive Constraints on Inter-document Structure. <i>Lecture Notes in Computer Science</i> , 2001 , 723-733	0.9	3
3	Cost-benefit analysis of web bag in a web warehouse: An analytical approach. <i>World Wide Web</i> , 2000 , 3, 165-184	2.9	1
2	Research Issues in Web Data Mining. <i>Lecture Notes in Computer Science</i> , 1999 , 303-312	0.9	47
1	Information Coupling in Web Databases. <i>Lecture Notes in Computer Science</i> , 1998 , 92-106	0.9	4