

Hiroyuki Kitagawa

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.

182
papers

766
citations

12
h-index

16
g-index

230
ext. papers

955
ext. citations

1.1
avg, IF

4.37
L-index

#	Paper	IF	Citations
182	GeoFlink: An Efficient and Scalable Spatial Data Stream Management System. <i>IEEE Access</i> , 2022 , 10, 24909-24935	3.5	35
181	Continuous top-k spatial keyword search on dynamic objects. <i>VLDB Journal</i> , 2021 , 30, 141-161	3.9	4
180	Augmented Lineage: Traceability of Data Analysis Including Complex UDFs. <i>Lecture Notes in Computer Science</i> , 2021 , 65-77	0.9	1
179	VOA*: Fast Angle-Based Outlier Detection over High-Dimensional Data Streams. <i>Lecture Notes in Computer Science</i> , 2021 , 40-52	0.9	0
178	Unifying Spatial Keyword Indexing in Continuous Search on Dynamic Objects. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 415-430	0.4	
177	L-BiX: incremental sliding-window aggregation over data streams using linear bidirectional aggregating indexes. <i>Knowledge and Information Systems</i> , 2020 , 62, 3107-3131	2.4	5
176	Fast and Accurate Community Search Algorithm for Attributed Graphs. <i>Lecture Notes in Computer Science</i> , 2020 , 233-249	0.9	0
175	StreamingCube: Seamless Integration of Stream Processing and OLAP Analysis. <i>IEEE Access</i> , 2020 , 8, 104632-104649	3.5	0
174	Detecting Communities and Correlated Attribute Clusters on Multi-Attributed Graphs. <i>IEICE Transactions on Information and Systems</i> , 2019 , E102.D, 810-820	0.6	1
173	StreamingCube-Based Analytical Framework for Environmental Data Analysis 2019 ,		2
172	Optimization of Row Pattern Matching over Sequence Data in Spark SQL. <i>Lecture Notes in Computer Science</i> , 2019 , 3-17	0.9	1
171	Continuous Search on Dynamic Spatial Keyword Objects 2019 ,		6
170	MC-SleepNet: Large-scale Sleep Stage Scoring in Mice by Deep Neural Networks. <i>Scientific Reports</i> , 2019 , 9, 15793	4.9	14
169	Scaling Fine-grained Modularity Clustering for Massive Graphs 2019 ,		5
168	Multidimensional Analysis of Big Data. <i>Advances in Data Mining and Database Management Book Series</i> , 2019 , 198-224	0.6	
167	Efficient Row Pattern Matching Using Pattern Hierarchies for Sequence OLAP. <i>Lecture Notes in Computer Science</i> , 2019 , 89-104	0.9	
166	NR-GAN 2019 ,		1

165	Flexible Community Search Algorithm on Attributed Graphs 2019 ,		2
164	Mercem: Method Name Recommendation Based on Call Graph Embedding 2019 ,		2
163	Class Name Recommendation Based on Graph Embedding of Program Elements 2019 ,		1
162	Scalable keyword search over relational data streams by aggressive candidate network consolidation. <i>Information Systems</i> , 2019 , 81, 117-135	2.7	4
161	Smart scheme: an efficient query execution scheme for event-driven stream processing. <i>Knowledge and Information Systems</i> , 2019 , 58, 341-370	2.4	3
160	Network-Word Embedding for Dynamic Text Attributed Networks 2018 ,		3
159	Weighted Aggregate Reverse Rank Queries. <i>ACM Transactions on Spatial Algorithms and Systems</i> , 2018 , 4, 1-23	1.8	1
158	CrowdSheet: An Easy-To-Use One-Stop Tool for Writing and Executing Complex Crowdsourcing. <i>Lecture Notes in Computer Science</i> , 2018 , 137-153	0.9	
157	Approximate Set Similarity Join Using Many-Core Processors. <i>Lecture Notes in Computer Science</i> , 2018 , 214-222	0.9	
156	Bound-and-Filter Framework for Aggregate Reverse Rank Queries. <i>Lecture Notes in Computer Science</i> , 2018 , 1-26	0.9	
155	ScaleSCAN: Scalable Density-Based Graph Clustering. <i>Lecture Notes in Computer Science</i> , 2018 , 18-34	0.9	8
154	Compressed Vector Set: A Fast and Space-Efficient Data Mining Framework. <i>Journal of Information Processing</i> , 2018 , 26, 416-426	0.2	0
153	NommPred: Prediction of Mitochondrial and Mitochondrion-Related Organelle Proteins of Nonmodel Organisms. <i>Evolutionary Bioinformatics</i> , 2018 , 14, 1176934318819835	1.9	9
152	Efficient Methods for Aggregate Reverse Rank Queries. <i>IEICE Transactions on Information and Systems</i> , 2018 , E101.D, 1012-1020	0.6	1
151	Passerby Crowdsourcing 2018 , 2, 1-20		4
150	CrowdSheet: Instant Implementation and Out-of-Hand Execution of Complex Crowdsourcing 2018 ,		1
149	Efficient Position Estimation Based on GPU-Accelerated Content-based Image Retrieval. <i>Journal of Mobile Multimedia</i> , 2018 , 14, 197-230	1	
148	FORank 2018 ,		4

147	MASC: Automatic Sleep Stage Classification Based on Brain and Myoelectric Signals 2017 ,		5
146	Approximate OLAP on Sustained Data Streams. <i>Lecture Notes in Computer Science</i> , 2017 , 102-118	0.9	2
145	SOLA 2017 ,		1
144	Analytical toolbox for smart city applications: Garbage collection log use case 2017 ,		3
143	Recency-based candidate selection for efficient entity linking 2017 ,		1
142	SCAN-XP 2017 ,		12
141	DIO: Efficient interactive outlier analysis over dynamic datasets 2017 ,		1
140	StreamingCube 2017 ,		3
139	GPU-Accelerated Graph Clustering via Parallel Label Propagation 2017 ,		6
138	Group rotation management in real-time crowdsourcing 2017 ,		1
137	Exploring Identical Users on GitHub and Stack Overflow 2017 ,		3
136	Efficient Processing of Aggregate Reverse Rank Queries. <i>Lecture Notes in Computer Science</i> , 2017 , 159-166		2
135	FORK: Feedback-Aware ObjectRank-Based Keyword Search over Linked Data. <i>Lecture Notes in Computer Science</i> , 2017 , 58-70	0.9	3
134	Accelerating Set Similarity Joins Using GPUs. <i>Lecture Notes in Computer Science</i> , 2016 , 1-22	0.9	1
133	H-SPOOL. <i>International Journal of Web Information Systems</i> , 2016 , 12, 359-378	0.9	3
132	Collaborative Filtering with Implicit Feedbacks by Discounting Positive Feedbacks 2016 ,		2
131	A Scheme for Fast k-Concealment Anonymization. <i>IEICE Transactions on Information and Systems</i> , 2016 , E99.D, 1000-1009	0.6	
130	CyLog/Game aspect: An approach to separation of concerns in crowdsourced data management. <i>Information Systems</i> , 2016 , 62, 170-184	2.7	4

129	An Improved Method of Keyword Search over Relational Data Streams by Aggressive Candidate Network Consolidation. <i>Lecture Notes in Computer Science</i> , 2016 , 336-351	0.9	3
128	Aggregate Reverse Rank Queries. <i>Lecture Notes in Computer Science</i> , 2016 , 87-101	0.9	6
127	Incremental Continuous Query Processing over Streams and Relations with Isolation Guarantees. <i>Lecture Notes in Computer Science</i> , 2016 , 321-335	0.9	
126	Interleaving Clustering of Classes and Properties for Disambiguating Linked Data. <i>Lecture Notes in Computer Science</i> , 2016 , 251-256	0.9	
125	Visual Spatial-OLAP for Vehicle Recorder Data on Micro-sized Electric Vehicles 2016 ,		4
124	JsFlow: Integration of Massive Streams and Batches via JSON-based Dataflow Algebra 2016 ,		2
123	A System for Phylogenetic Analyses over Alignments of Next Generation Sequence Data 2016 ,		1
122	GPU Acceleration of Content-Based Image Retrieval Based on SIFT Descriptors 2016 ,		6
121	2016 ,		7
120	Smart Query Execution for Event-Driven Stream Processing 2016 ,		2
119	Game Aspect: An Approach to Separation of Concerns in Crowdsourced Data Management. <i>Lecture Notes in Computer Science</i> , 2015 , 3-19	0.9	2
118	GPU Acceleration of Set Similarity Joins. <i>Lecture Notes in Computer Science</i> , 2015 , 384-398	0.9	4
117	Parallel Canopy Clustering on GPUs. <i>Lecture Notes in Computer Science</i> , 2015 , 334-348	0.9	1
116	Path-based keyword search over XML streams. <i>International Journal of Web Information Systems</i> , 2015 , 11, 347-369	0.9	4
115	Facet-value extraction scheme from textual contents in XML data. <i>International Journal of Web Information Systems</i> , 2015 , 11, 270-290	0.9	1
114	Tweet Location Inference Based on Contents and Temporal Association. <i>Lecture Notes in Computer Science</i> , 2015 , 259-266	0.9	1
113	An architecture for stream OLAP exploiting SPE and OLAP engine 2015 ,		10
112	SocNL: Bayesian Label Propagation with Confidence. <i>Lecture Notes in Computer Science</i> , 2015 , 633-645	0.9	4

111	Real-Time Relevance Matching of News and Tweets. <i>Lecture Notes in Computer Science</i> , 2015 , 109-126	0.9	
110	SPOOL 2015 ,		1
109	Top-k Outlier Detection from Uncertain Data. <i>International Journal of Automation and Computing</i> , 2014 , 11, 128-142	3.5	13
108	Continuous outlier detection on uncertain data streams 2014 ,		4
107	Probabilistic Frequent Itemset Mining on a GPU Cluster. <i>IEICE Transactions on Information and Systems</i> , 2014 , E97.D, 779-789	0.6	3
106	Online User Location Inference Exploiting Spatiotemporal Correlations in Social Streams 2014 ,		19
105	Keyword Search with Path-Based Filtering over XML Streams 2014 ,		4
104	GPU Acceleration of Similarity Search for Uncertain Time Series 2014 ,		1
103	Filtering XML Streams by XPath and Keywords 2014 ,		4
102	Continuous Angle-based Outlier Detection on High-dimensional Data Streams 2014 ,		9
101	A k-Anonymization Algorithm on Social Network Data that Reduces Distances between Nodes 2014 ,		4
100	Efficient distance-based outlier detection on uncertain datasets of Gaussian distribution. <i>World Wide Web</i> , 2014 , 17, 511-538	2.9	14
99	An Improved Method for Efficient PageRank Estimation. <i>Lecture Notes in Computer Science</i> , 2014 , 208-222	9	3
98	MOOD: Moving Objects Outlier Detection. <i>Lecture Notes in Computer Science</i> , 2014 , 666-669	0.9	
97	Parallel and Distributed Mining of Probabilistic Frequent Itemsets Using Multiple GPUs. <i>Lecture Notes in Computer Science</i> , 2013 , 145-152	0.9	1
96	Co-occurrence prediction in a large location-based social network. <i>Frontiers of Computer Science</i> , 2013 , 7, 185-194	2.2	12
95	Efficient filtering and ranking schemes for finding inclusion dependencies on the web 2013 ,		1
94	DBPowder: A Flexible Object-Relational Mapping Framework Based on a Conceptual Model 2013 ,		3

93	Continuous query processing with concurrency control 2013 ,		8
92	A Local Method for ObjectRank Estimation 2013 ,		2
91	Energy-Efficient XML Stream Processing through Element-Skipping Parsing 2013 ,		1
90	Landmark-based user location inference in social media 2013 ,		15
89	Optimization Techniques for Range Queries in the Multivalued-partial Order Preserving Encryption Scheme. <i>Communications in Computer and Information Science</i> , 2013 , 338-353	0.3	5
88	Fast Top-k Distance-Based Outlier Detection on Uncertain Data. <i>Lecture Notes in Computer Science</i> , 2013 , 301-313	0.9	3
87	A Probabilistic Model for Diversifying Recommendation Lists. <i>Lecture Notes in Computer Science</i> , 2013 , 348-359	0.9	2
86	RDF packages: a scheme for efficient reasoning and querying over large-scale RDF data. <i>International Journal of Web Information Systems</i> , 2012 , 8, 212-233	0.9	2
85	A security aware stream data processing scheme on the cloud and its efficient execution methods 2012 ,		1
84	GPU acceleration of probabilistic frequent itemset mining from uncertain databases 2012 ,		5
83	Effective web video clustering using playlist information 2012 ,		5
82	Detecting Social Bookmark Spams Using Multiple User Accounts 2012 ,		3
81	Faceted navigation framework for XML data. <i>International Journal of Web Information Systems</i> , 2012 , 8, 348-370	0.9	2
80	Tagging users based on Twitter lists. <i>International Journal of Web Engineering and Technology</i> , 2012 , 7, 273	0.3	1
79	Distance-Based Outlier Detection on Uncertain Data of Gaussian Distribution. <i>Lecture Notes in Computer Science</i> , 2012 , 109-121	0.9	8
78	An Efficient Algorithm for Arbitrary Reverse Furthest Neighbor Queries. <i>Lecture Notes in Computer Science</i> , 2012 , 60-72	0.9	6
77	Extracting Hot Spots from Satellite Data. <i>Lecture Notes in Computer Science</i> , 2012 , 581-586	0.9	
76	A Scheme of Fragment-Based Faceted Image Search. <i>Lecture Notes in Computer Science</i> , 2012 , 450-457	0.9	

75	On Efficient Distance-Based Similarity Search 2011 ,		2
74	An Extended Method for Finding Related Web Pages with Focused Crawling Techniques. <i>Lecture Notes in Computer Science</i> , 2011 , 21-30	0.9	1
73	Outlier detection by example. <i>Journal of Intelligent Information Systems</i> , 2011 , 36, 217-247	2.1	8
72	Efficient Probabilistic Latent Semantic Indexing using Graphics Processing Unit. <i>Procedia Computer Science</i> , 2011 , 4, 382-391	1.6	4
71	A framework of faceted navigation for XML data 2011 ,		2
70	Tag-based User Topic Discovery Using Twitter Lists 2011 ,		15
69	FACTUS: Faceted Twitter User Search Using Twitter Lists. <i>Lecture Notes in Computer Science</i> , 2011 , 343-344		4
68	Complex Event Processing over Uncertain Data Streams 2010 ,		18
67	A Faceted-Navigation System for QCDml Ensemble XML Data 2010 ,		2
66	TURank: Twitter User Ranking Based on User-Tweet Graph Analysis. <i>Lecture Notes in Computer Science</i> , 2010 , 240-253	0.9	44
65	An Efficient Algorithm for Reverse Furthest Neighbors Query with Metric Index. <i>Lecture Notes in Computer Science</i> , 2010 , 437-451	0.9	9
64	Social Bookmarking Induced Active Page Ranking. <i>IEICE Transactions on Information and Systems</i> , 2010 , E93-D, 1403-1413	0.6	1
63	Parallel holistic twig joins on a multi-core system. <i>International Journal of Web Information Systems</i> , 2010 , 6, 149-177	0.9	7
62	MV-OPES: Multivalued-Order Preserving Encryption Scheme: A Novel Scheme for Encrypting Integer Value to Many Different Values. <i>IEICE Transactions on Information and Systems</i> , 2010 , E93-D, 2520-2533 ²⁴	0.6	24
61	Query result caching for multiple event-driven continuous queries. <i>Information Systems</i> , 2010 , 35, 94-110.7	0.7	2
60	Providing Constructed Buildings Information by ASTER Satellite DEM Images and Web Contents. <i>Lecture Notes in Computer Science</i> , 2010 , 81-92	0.9	1
59	Stream-Based Real World Information Integration Framework. <i>Studies in Computational Intelligence</i> , 2010 , 173-204	0.8	1
58	Fast Detection of Functional Dependencies in XML Data. <i>Lecture Notes in Computer Science</i> , 2010 , 113-127	0.9	9

57	Evaluation of a Framework for Dynamic Source Selection in Stream Processing 2009 ,		1
56	Algorithms for structure-based grouping in XML-OLAP. <i>International Journal of Web Information Systems</i> , 2009 , 5, 122-150	0.9	4
55	Bringing your dead links back to life 2009 ,		4
54	Executing parallel TwigStack algorithm on a multi-core system 2009 ,		7
53	XML data partitioning strategies to improve parallelism in parallel holistic twig joins 2009 ,		8
52	Managing Frequent Updates in R-Trees for Update-Intensive Applications. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2009 , 21, 1573-1589	4.2	4
51	A Novel Framework for Database Security Based on Mixed Cryptography 2009 ,		8
50	Pattern-Based Window: A Novel Window Operator to Support Event Detection over Data Stream 2009 ,		1
49	XML data partitioning schemes for parallel holistic twig joins. <i>International Journal of Web Information Systems</i> , 2009 , 5, 151-194	0.9	4
48	Efficient probabilistic event stream processing with lineage and Kleene-plus. <i>International Journal of Communication Networks and Distributed Systems</i> , 2009 , 2, 355	0.4	3
47	Applying a Machine Learning Technique to Classification of Japanese Pressure Patterns. <i>Data Science Journal</i> , 2009 , 8, S59-S67	2	1
46	A Ranking Method for Web Search Using Social Bookmarks. <i>Lecture Notes in Computer Science</i> , 2009 , 585-589	0.9	5
45	Encryption over Semi-trusted Database. <i>Lecture Notes in Computer Science</i> , 2009 , 358-362	0.9	1
44	Outlier Detection for Transaction Databases Using Association Rules 2008 ,		8
43	Lineage-based Probabilistic Event Stream Processing 2008 ,		12
42	The Integration of Data Streams with Probabilities and Relational Database using Bayesian Networks 2008 ,		1
41	Models and Issues on Probabilistic Data Streams with Bayesian Networks 2008 ,		2
40	PageChaser: A Tool for the Automatic Correction of Broken Web Links 2008 ,		2

39	A video stream management system for heterogeneous information integration environments 2008,		3
38	Topic structure mining using temporal co-occurrence 2008,		5
37	S-BITS : Social-Bookmarking Induced Topic Search 2008,		5
36	A Novelty-based Clustering Method for On-line Documents. <i>World Wide Web</i> , 2008 , 11, 1-37	2.9	21
35	GMX 2008,		6
34	Algorithms for efficient structure-based grouping in XML-OLAP 2008,		3
33	A FUSE-Based Tool for Accessing Meteorological Data in Remote Servers. <i>Lecture Notes in Computer Science</i> , 2008 , 592-597	0.9	1
32	Example-Based Robust DB-Outlier Detection for High Dimensional Data 2008 , 330-347		
31	A Query Language and Its Processing for Time-Series Document Clusters. <i>Lecture Notes in Computer Science</i> , 2008 , 82-92	0.9	
30	An Approach for XML Similarity Join Using Tree Serialization 2008 , 562-570		2
29	Detecting Outliers in Categorical Record Databases Based on Attribute Associations 2008 , 111-123		6
28	Detecting Current Outliers: Continuous Outlier Detection over Time-Series Data Streams. <i>Lecture Notes in Computer Science</i> , 2008 , 255-268	0.9	8
27	Multi-ring Infrastructure for Content Addressable Networks. <i>Lecture Notes in Computer Science</i> , 2008 , 193-211	0.9	1
26	Wraplet: Wrapping Your Web Contents with a Lightweight Language 2007,		3
25	DB-Outlier Detection by Example in High Dimensional Datasets 2007,		2
24	Constructing a Web Service System for Large-Scale Meteorological Grid Data 2007,		5
23	OLAP Query Processing for XML Data in RDBMS 2007,		8
22	Querying XML Data using PC Cluster System 2007,		3

21	Retrieving Arbitrary XML Fragments from Structured Peer-to-Peer Networks 2007 , 317-328		1
20	Integrating a Stream Processing Engine and Databases for Persistent Streaming Data Management. <i>Lecture Notes in Computer Science</i> , 2007 , 414-423	0.9	3
19	Topic Structure Mining Using PageRank Without Hyperlinks. <i>Lecture Notes in Computer Science</i> , 2006 , 151-162	0.9	1
18	Example-Based Outlier Detection for High Dimensional Datasets. <i>IPSJ Digital Courier</i> , 2005 , 1, 234-243		11
17	Conveying taxonomy context for topic-focused Web search. <i>Journal of the Association for Information Science and Technology</i> , 2005 , 56, 173-188		1
16	Topic activation analysis for document streams based on document arrival rate and relevance 2005 ,		6
15	OBE: Outlier by Example. <i>Lecture Notes in Computer Science</i> , 2004 , 222-234	0.9	16
14	A Multiple Continuous Query Optimization Method Based on Query Execution Pattern Analysis. <i>Lecture Notes in Computer Science</i> , 2004 , 443-456	0.9	3
13	Integration of WWW Applications Based on Extensible XML Query and Processing Languages. <i>Lecture Notes in Computer Science</i> , 2001 , 632-645	0.9	
12	An On-Line Document Clustering Method Based on Forgetting Factors. <i>Lecture Notes in Computer Science</i> , 2001 , 325-339	0.9	11
11	A Rule-Oriented Architecture to Incorporate Dissemination-Based Information Delivery into Information Integration Environments. <i>Lecture Notes in Computer Science</i> , 2000 , 185-199	0.9	0
10	X2QL: An eXtensible XML Query Language Supporting User-Defined Foreign Functions. <i>Lecture Notes in Computer Science</i> , 2000 , 251-264	0.9	2
9	InfoWeaver 1999 ,		2
8	Dynamic Generation and Browsing of Virtual WWW Space Based on User Profiles. <i>Lecture Notes in Computer Science</i> , 1999 , 93-108	0.9	1
7	Evaluation of signature files as set access facilities in OODBs. <i>SIGMOD Record</i> , 1993 , 22, 247-256	1.1	15
6	Decomposition – an approach for optimizing queries including ADT functions. <i>Information Processing Letters</i> , 1992 , 43, 327-333	0.8	5
5	Learning and Analogical Reasoning in the IBS for Organic Synthesis Research. <i>Journal of the Japan Society of Information and Knowledge</i> , 1991 , 2, 71-82	0.1	1
4	Formgraphics: A Form-Based Graphics Architecture Providing a Database Workbench. <i>IEEE Computer Graphics and Applications</i> , 1984 , 4, 38-56	1.7	8

3	Form document management system SPECDOQ its architecture and implementation. <i>ACM SIGOA Newsletter</i> , 1984 , 5, 132-142		2
2	Form transformer -a formalism for office form manipulation-. <i>Lecture Notes in Computer Science</i> , 1982 , 391-406	0.9	1
1	APAD: An application-adaptable database system its architecture and design. <i>Lecture Notes in Computer Science</i> , 1982 , 320-344	0.9	2