

Takahiro Hara

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.

149
papers

1,392
citations

16
h-index

32
g-index

201
ext. papers

1,809
ext. citations

2.6
avg, IF

4.8
L-index

#	Paper	IF	Citations
149	Concept Drift Detection with Denoising Autoencoder in Incomplete Data. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022 , 541-552	0.2	0
148	Twitter-aided decision making: a review of recent developments.. <i>Applied Intelligence</i> , 2022 , 1-16	4.9	0
147	Efficient Retrieval of Top-k Weighted Spatial Triangles. <i>Lecture Notes in Computer Science</i> , 2022 , 224-231	0.9	1
146	Efficient Retrieval of Top-k Weighted Triangles on Static and Dynamic Spatial Data. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
145	Feat-SKSJ 2021 ,		2
144	Predicting Next-use Mobile Apps Using App Semantic Representations. <i>Journal of Information Processing</i> , 2021 , 29, 597-609	0.2	
143	Backup gateways for IoT mesh network using order-k hops Voronoi diagram. <i>World Wide Web</i> , 2021 , 24, 955-970	2.9	1
142	Persona Model Transfer for User Activity Prediction Across Heterogeneous Domains. <i>Lecture Notes in Computer Science</i> , 2021 , 37-41	0.9	
141	IndoLabel: Predicting Indoor Location Class by Discovering Location-specific Sensor Data Motifs. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1
140	Cross-species behavior analysis with attention-based domain-adversarial deep neural networks. <i>Nature Communications</i> , 2021 , 12, 5519	17.4	2
139	Dealing with noise in crowdsourced GPS human trajectory logging data. <i>Concurrency Computation Practice and Experience</i> , 2021 , 33, e6139	1.4	2
138	Pure copper layer formation on pure copper substrate using multi-beam laser cladding system with blue diode lasers. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	11
137	Lamps: Location-Aware Moving Top-k Pub/Sub. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	4
136	Detecting Reinforcement Learning-Based Grey Hole Attack in Mobile Wireless Sensor Networks. <i>IEICE Transactions on Communications</i> , 2020 , E103.B, 504-516	0.5	1
135	A Low-Load Distributed Stream Processing System for Continuous Conjunctive Normal Form Queries. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 1-1	3.3	0
134	Distributed Spatial-Keyword kNN Monitoring for Location-aware Pub/Sub 2020 ,		3
133	User-Centered Design of a Scenario-Based Serious Game: Game-Based Teaching of Future Healthcare. <i>IEEE Transactions on Games</i> , 2020 , 12, 376-385	1.2	0

132	A Probabilistic Model for Predicting E-commerce Purchases from Emerging Local and Social Interests 2020 ,		2
131	A DNN-Based Cross-Domain Recommender System for Alleviating Cold-Start Problem in E-Commerce. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2020 , 1, 194-206	3.6	9
130	Multi-model Z-compression for high speed data streaming and low-power wireless sensor networks. <i>Distributed and Parallel Databases</i> , 2020 , 38, 153-191	0.9	2
129	Methods and Applications of Mobile Molecular Communication. <i>Proceedings of the IEEE</i> , 2019 , 107, 1442-1456	14.5	28
128	Efficient framework for processing top-k queries with replication in mobile ad hoc networks. <i>GeoInformatica</i> , 2019 , 23, 591-620	2.5	3
127	Random Cell Motion Enhances the Capacity of Cell-Cell Communication. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2019 , 5, 158-162	2.3	5
126	Advertiser-Assisted Behavioral Ad-Targeting via Denoised Distribution Induction 2019 ,		1
125	Space Filling Approach for Distributed Processing of Top-k Dominating Queries. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1150-1163	4.2	9
124	Environment-Adaptive Malicious Node Detection in MANETs with Ensemble Learning 2018 ,		5
123	Comparison Study On UAV Movement for Adapting to Multimedia Burst in Post-Disaster Networks 2018 ,		2
122	Dummy Generation Based on User-Movement Estimation for Location Privacy Protection. <i>IEEE Access</i> , 2018 , 6, 22958-22969	3.5	15
121	Virtual Touch-Point: Trans-Domain Behavioral Targeting via Transfer Learning 2018 ,		1
120	Detecting Door Events Using a Smartphone via Active Sound Sensing 2018 , 2, 1-26		3
119	Epidemic Information Dissemination in Mobile Molecular Communication Systems 2018 ,		5
118	A Social Sensor Visualization System for a Platform to Generate and Share Social Sensor Data 2018 ,		1
117	Leader-Follower-Amplifier Based Mobile Molecular Communication Systems for Cooperative Drug Delivery 2018 ,		11
116	Estimating the Physical Distance between Two Locations with Wi-Fi Received Signal Strength Information Using Obstacle-aware Approach 2018 , 2, 1-26		2
115	Optimal Replica Distribution in Edge-Node-Assisted Cloud-P2P Platforms for Real-Time Streaming. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 8637-8646	6.8	2

114	Efficient cluster-based top-k query routing with data replication in MANETs. <i>Soft Computing</i> , 2017 , 21, 4161-4178	3.5	4
113	Subscription-based data aggregation techniques for top-k monitoring queries. <i>World Wide Web</i> , 2017 , 20, 237-265	2.9	5
112	People-Centric Internet of Things 2017 , 55, 18-19		16
111	Data management issues in mobile ad hoc networks. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2017 , 93, 270-296	4	4
110	Efficient Z-Order Encoding Based Multi-Modal Data Compression in WSNs 2017 ,		2
109	Mining Top-k Co-Occurrence Patterns across Multiple Streams. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 2249-2262	4.2	10
108	A WSN Testbed for Z-Order Encoding Based Multi-Modal Sensor Data Compression 2017 ,		2
107	. <i>IEEE Transactions on Communications</i> , 2017 , 65, 663-676	6.9	44
106	IEEE Access Special Section Editorial: Emergent Topics for Mobile and Ubiquitous Systems in Smartphone, IOT, and Cloud Computing ERA. <i>IEEE Access</i> , 2017 , 5, 27827-27830	3.5	1
105	Geo-Social Keyword Top-k Data Monitoring over Sliding Window. <i>Lecture Notes in Computer Science</i> , 2017 , 409-424	0.9	7
104	Threshold-Based Distributed Continuous Top-k Query Processing for Minimizing Communication Overhead. <i>IEICE Transactions on Information and Systems</i> , 2016 , E99.D, 383-396	0.6	0
103	Sliding window top-k dominating query processing over distributed data streams. <i>Distributed and Parallel Databases</i> , 2016 , 34, 535-566	0.9	8
102	Efficient Top-k Result Diversification for Mobile Sensor Data 2016 ,		1
101	Top-k Query Processing and Malicious Node Identification Based on Node Grouping in MANETs. <i>IEEE Access</i> , 2016 , 4, 993-1007	3.5	9
100	Efficient processing of top-k dominating queries in distributed environments. <i>World Wide Web</i> , 2016 , 19, 545-577	2.9	10
99	RPR: recommendation for passengers by roads based on cloud computing and taxis traces data. <i>Personal and Ubiquitous Computing</i> , 2016 , 20, 337-347	2.1	6
98	Target Detection and Tracking by Bionanosensor Networks. <i>SpringerBriefs in Computer Science</i> , 2016 ,	0.4	12
97	Processing Convex Hull Queries in MANETs 2015 ,		1

96	k Nearest Neighbor Search for Location-Dependent Sensor Data in MANETs. <i>IEEE Access</i> , 2015 , 3, 942-954	5	10
95	Inbody mobile bionanosensor networks through non-diffusion-based molecular communication 2015 ,		7
94	Distributed top-k query processing on multi-dimensional data with keywords 2015 ,		7
93	Efficient Multidimensional Top-kQuery Processing in Wireless Multihop Networks. <i>Mobile Information Systems</i> , 2015 , 2015, 1-20	1.4	1
92	In Silico Experiments of Mobile Bionanosensor Networks for Target Tracking 2015 ,		3
91	Wikipedia-Based Semantic Similarity Measurements for Noisy Short Texts Using Extended Naive Bayes. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2015 , 3, 205-219	4.1	23
90	Signature-Based Top-k Query Processing against Data Replacement Attacks in MANETs 2015 ,		1
89	\$K\$ NN Query Processing Methods in Mobile Ad Hoc Networks. <i>IEEE Transactions on Mobile Computing</i> , 2014 , 13, 1090-1103	4.6	11
88	Distributing Nanomachines for Minimizing Mean Residence Time of Molecular Signals in Bionanosensor Networks. <i>IEEE Sensors Journal</i> , 2014 , 14, 218-227	4	13
87	Autonomous mobile bionanosensor networks for target tracking: A two-dimensional model. <i>Nano Communication Networks</i> , 2014 , 5, 63-71	2.9	13
86	Cooperative target tracking by a mobile bionanosensor network. <i>IEEE Transactions on Nanobioscience</i> , 2014 , 13, 267-77	3.4	31
85	Overhearing-Based Efficient Boundary Detection in Dense Mobile Wireless Sensor Networks 2014 ,		2
84	Top-k Query Processing and Malicious Node Identification against Data Replacement Attack in MANETs 2014 ,		4
83	Modeling and performance evaluation of mobile bionanosensor networks for target tracking 2014 ,		6
82	A survey on communication and data management issues in mobile sensor networks. <i>Wireless Communications and Mobile Computing</i> , 2014 , 14, 19-36	1.9	89
81	A proposed security scheme against Denial of Service attacks in cluster-based wireless sensor networks. <i>Security and Communication Networks</i> , 2014 , 7, 2542-2554	1.9	12
80	Path planning using a mobile anchor node based on trilateration in wireless sensor networks. <i>Wireless Communications and Mobile Computing</i> , 2013 , 13, 1324-1336	1.9	67
79	A content search system considering the activity and context of a mobile user. <i>Personal and Ubiquitous Computing</i> , 2013 , 17, 1035-1050	2.1	6

78	A Robust Routing Method for Top-k Queries in Mobile Ad Hoc Networks 2013 ,			9
77	Interruption time reduction methods with finer data division for streaming delivery on hybrid broadcasting environments 2013 ,			1
76	A next location prediction method for smartphones using blockmodels 2013 ,			9
75	Detecting Local Events by Analyzing Spatiotemporal Locality of Tweets 2013 ,			11
74	Agent Redeployment and Missing Data Regathering in Mobile Wireless Sensor Networks 2013 ,			1
73	Data Gathering Considering Geographical Distribution of Data Values in Dense Mobile Wireless Sensor Networks 2013 ,			3
72	Localization algorithms of Wireless Sensor Networks: a survey. <i>Telecommunication Systems</i> , 2013 , 52, 2419-2436	2.3		282
71	A Routing Method for Top-k Query Processing in Mobile Ad Hoc Networks 2013 ,			5
70	Data Gathering Using Mobile Agents for Reducing Traffic in Dense Mobile Wireless Sensor Networks. <i>Mobile Information Systems</i> , 2013 , 9, 295-314	1.4		26
69	How Does Mobile Context Affect People's Web Search Behavior?: A Diary Study of Mobile Information Needs and Search Behaviors 2012 ,			7
68	A geographic routing oriented sleep scheduling algorithm in duty-cycled sensor networks 2012 ,			11
67	Data Forwarding Method Based on Status of Connection with Multiple Mobile Sinks in Wireless Sensor Networks 2012 ,			3
66	A proportional fairness backoff scheme for funneling effect in wireless sensor networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2012 , 23, 585-597	1.9		6
65	Human activity recognition for a content search system considering situations of smartphone users 2012 ,			8
64	A content search system for mobile devices based on user context recognition 2012 ,			4
63	Effective Node Deployment in Sparse Mobile Sensor Networks. <i>Journal of Information Processing</i> , 2012 , 20, 104-113	0.2		1
62	An Energy-Efficient Data Gathering Mechanism using Traveling Wave and Spatial Interpolation for Wireless Sensor Networks. <i>Journal of Information Processing</i> , 2012 , 20, 167-176	0.2		1
61	A balanced energy consumption sleep scheduling algorithm in wireless sensor networks 2011 ,			25

60	Implementing top-k query in duty-cycled wireless sensor networks 2011 ,		7
59	The Insights of DV-Based Localization Algorithms in the Wireless Sensor Networks with Duty-Cycled and Radio Irregular Sensors 2011 ,		6
58	A Node Deployment Strategy for Efficient Sensing with Mobile Sensors in Sparse Sensor Networks. <i>Journal of Information Processing</i> , 2011 , 19, 103-117	0.2	0
57	A Genetic Algorithm Approach to Multi-Agent Itinerary Planning in Wireless Sensor Networks. <i>Mobile Networks and Applications</i> , 2011 , 16, 782-793	2.9	18
56	Content comparison functions for mobile co-located collaborative web search. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2011 , 2, 239-248	3.7	5
55	Removing Heavily Curved Path: Improved DV-hop Localization in Anisotropic Sensor Networks 2011 ,		4
54	A Dynamic Route Construction Method Based on Measured Characteristics of Radio Propagation in Wireless Sensor Networks 2011 ,		1
53	A Flooding Control Method with Ack-carry for Location-Based Information Dissemination in Mobile Ad Hoc Networks 2011 ,		2
52	Two-Phase Top-k Query Processing in Mobile Ad Hoc Networks 2011 ,		11
51	Sleep scheduling towards geographic routing in duty-cycled sensor networks with a mobile sink 2011 ,		3
50	Quantifying sensing coverage and data delivery delay in mobile sensor networks 2011 ,		2
49	A kNN Query Processing Method in Mobile Ad Hoc Networks 2011 ,		4
48	Energy-Efficient Data Gathering Using Sleep Scheduling and Spatial Correlation Based on Data Distribution in Wireless Sensor Networks 2011 ,		1
47	Autonomous data gathering mechanism with transmission reduction for wireless sensor networks 2011 ,		2
46	A P2P Network Construction Method Based on Cycle of Sensing and Location in Ubiquitous Sensor Environment 2011 ,		1
45	Mobile and Wireless Networks. <i>Mobile Information Systems</i> , 2010 , 6, 1-3	1.4	3
44	Secured Two Phase Geographic Forwarding Protocol in Wireless Multimedia Sensor Networks 2010 ,		3
43	A Top-k Query Method by Estimating Score Distribution in Mobile Ad Hoc Networks 2010 ,		14

42	Quantifying Impact of Mobility on Data Availability in Mobile Ad Hoc Networks. <i>IEEE Transactions on Mobile Computing</i> , 2010 , 9, 241-258	4.6	22
41	Energy-Efficient Data Gathering Using Sleep Scheduling and Spatial Interpolation in Wireless Sensor Networks 2010 ,		1
40	Data Replication for Top-k Query Processing in Mobile Wireless Sensor Networks 2010 ,		5
39	Energy Efficient Data Access in Mobile Ad Hoc Networks 2010 ,		2
38	A Communication Protocol to Improve Fairness and Data Amount on Sensor Data Collection with a Mobile Sink 2010 ,		4
37	Impacts of duty-cycle on TPGF geographical multipath routing in wireless sensor networks 2010 ,		10
36	Investigating Impact of Quorum Construction on Data Processing in Mobile Ad Hoc Networks 2010 ,		1
35	A Data Reception Method to Reduce Interruption Time in P2P Streaming Environments 2010 ,		10
34	A Content Clipping System for Web Browsing Using Cellular Phones 2009 ,		1
33	On a TDMA Slot Assignment Considering the Amount of Traffic in Wireless Sensor Networks 2009 ,		5
32	A Dynamic Cluster Construction Method Based on Query Characteristics in Peer-to-Peer Networks 2009 ,		4
31	A Message Processing Method for Top-k Query for Traffic Reduction in Ad Hoc Networks 2009 ,		19
30	Overhearing-Based Data Transmission Reduction for Periodical Data Gathering in Wireless Sensor Networks 2009 ,		9
29	X-Sensor: A Sensor Network Testbed Integrating Multiple Networks 2009 ,		9
28	Route Construction Based on Measured Characteristics of Radio Propagation in Wireless Sensor Networks 2009 ,		1
27	Consistency Management Strategies for Data Replication in Mobile Ad Hoc Networks. <i>IEEE Transactions on Mobile Computing</i> , 2009 , 8, 950-967	4.6	38
26	Filtering Order Adaptation Based on Attractor Selection for Data Broadcasting System 2009 ,		3
25	An Evaluation of Overhearing-Based Data Transmission Reduction in Wireless Sensor Networks 2009 ,		2

24	Wikipedia Mining Challenge for Realizing Early Profits, The Kick Off. <i>Transactions of the Japanese Society for Artificial Intelligence</i> , 2009 , 24, 549-557	0.7	4
23	Updated Data Dissemination for Applications with Time Constraints in Mobile Ad Hoc Networks 2008 ,		1
22	DATA DISSEMINATION METHODS FOR TIME-CONSTRAINT APPLICATIONS IN MOBILE AD HOC NETWORKS. <i>Journal of Interconnection Networks</i> , 2008 , 09, 351-367	0.4	1
21	Introduction to the Special Issue on Advances on Heterogeneous Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2008 , 4, 63-66	1.7	
20	Wikipedia Mining for Huge Scale Japanese Association Thesaurus Construction 2008 ,		1
19	Web Resource Categorization by Detecting Potential Relations. <i>IPSJ Digital Courier</i> , 2008 , 4, 103-113		
18	Extraction of Bilingual Terminology from a Multilingual Web-based Encyclopedia. <i>Journal of Information Processing</i> , 2008 , 16, 68-79	0.2	8
17	Query processing methods considering the deadline of queries for database broadcasting systems. <i>Systems and Computers in Japan</i> , 2007 , 38, 21-31		
16	A web browsing system for cellular-phone users based on adaptive presentation. <i>Universal Access in the Information Society</i> , 2007 , 6, 259-271	2.5	5
15	An Update Propagation Strategy for Delay Reduction and Node Failure Tolerance in Peer-to-Peer Networks 2007 ,		2
14	EFFECTIVE DATA DISSEMINATION FOR INFORMATION SHARING BASED ON INTER-VEHICLE COMMUNICATION. <i>Journal of Interconnection Networks</i> , 2007 , 08, 337-354	0.4	1
13	A Data Dissemination Method for Information Sharing Based on Inter-Vehicle Communication 2007 ,		2
12	Data Replication Considering Power Consumption in Ad Hoc Networks 2007 ,		16
11	REPLICA LOCATION MANAGEMENT FOR DATA SHARING IN MOBILE AD HOC NETWORKS. <i>Journal of Interconnection Networks</i> , 2006 , 07, 75-89	0.4	2
10	An information browsing system using a Java-based cellular phone in a remote display environment. <i>Systems and Computers in Japan</i> , 2006 , 37, 1-12		
9	Updated data dissemination methods for updating old replicas in ad hoc networks. <i>Personal and Ubiquitous Computing</i> , 2005 , 9, 273-283	2.1	17
8	Replica Allocation Methods in Ad Hoc Networks with Data Update. <i>Mobile Networks and Applications</i> , 2003 , 8, 343-354	2.9	81
7	Scheduling Strategies Of Correlated Broadcast Data In Push-Based Systems. <i>Infor</i> , 2001 , 39, 152-173	0.5	3

6	A dynamic replica allocation method based on database migration in broadband networks. <i>Systems and Computers in Japan</i> , 2000 , 31, 22-32		3
5	A scheduling of database migration in wide-area networks. <i>Systems and Computers in Japan</i> , 2000 , 31, 10-19		4
4	A distributed database system based on database migration and its mechanism for concurrency control. <i>Systems and Computers in Japan</i> , 1999 , 30, 28-37		
3	Location management for database migration in ATM networks. <i>Systems and Computers in Japan</i> , 1997 , 28, 35-45		1
2	Fast, exact, and parallel-friendly outlier detection algorithms with proximity graph in metric spaces. <i>VLDB Journal</i> ,1	3.9	0
1	Predicting temporary deal success with social media timing signals. <i>Journal of Intelligent Information Systems</i> ,1	2.1	0