

Ronald Fagin

List of Publications by Citations

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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.

49
papers

5,282
citations

29
h-index

53
g-index

53
ext. papers

6,058
ext. citations

1.4
avg, IF

5.56
L-index

#	Paper	IF	Citations
49	Optimal aggregation algorithms for middleware. <i>Journal of Computer and System Sciences</i> , 2003 , 66, 614-656	1	490
48	Data exchange: semantics and query answering. <i>Theoretical Computer Science</i> , 2005 , 336, 89-124	1.1	472
47	Multivalued dependencies and a new normal form for relational databases. <i>ACM Transactions on Database Systems</i> , 1977 , 2, 262-278	1.6	458
46	Comparing Top k Lists. <i>SIAM Journal on Discrete Mathematics</i> , 2003 , 17, 134-160	0.7	431
45	Belief, awareness, and limited reasoning. <i>Artificial Intelligence</i> , 1987 , 34, 39-76	3.6	394
44	A logic for reasoning about probabilities. <i>Information and Computation</i> , 1990 , 87, 78-128	0.8	333
43	Reasoning about knowledge and probability. <i>Journal of the ACM</i> , 1994 , 41, 340-367	2	232
42	Combining Fuzzy Information from Multiple Systems. <i>Journal of Computer and System Sciences</i> , 1999 , 58, 83-99	1	228
41	Horn clauses and database dependencies. <i>Journal of the ACM</i> , 1982 , 29, 952-985	2	221
40	The Clio project. <i>SIGMOD Record</i> , 2001 , 30, 78-83	1.1	183
39	Efficient similarity search and classification via rank aggregation 2003 ,		155
38	Inclusion dependencies and their interaction with functional dependencies. <i>Journal of Computer and System Sciences</i> , 1984 , 28, 29-59	1	144
37	Two views of belief: belief as generalized probability and belief as evidence. <i>Artificial Intelligence</i> , 1992 , 54, 275-317	3.6	142
36	Monadic generalized spectra. <i>Mathematical Logic Quarterly</i> , 1975 , 21, 89-96	0.3	128
35	A normal form for relational databases that is based on domains and keys. <i>ACM Transactions on Database Systems</i> , 1981 , 6, 387-415	1.6	121
34	Combining fuzzy information. <i>SIGMOD Record</i> , 2002 , 31, 109-118	1.1	98
33	Reachability is harder for directed than for undirected finite graphs. <i>Journal of Symbolic Logic</i> , 1990 , 55, 113-150	0.4	88

32	Modelling knowledge and action in distributed systems. <i>Distributed Computing</i> , 1989 , 3, 159-177	1.2	85
31	Comparing Partial Rankings. <i>SIAM Journal on Discrete Mathematics</i> , 2006 , 20, 628-648	0.7	83
30	Uncertainty, belief, and probability1. <i>Computational Intelligence</i> , 1991 , 7, 160-173	2.5	67
29	Finite-model theory - a personal perspective. <i>Theoretical Computer Science</i> , 1993 , 116, 3-31	1.1	65
28	What can machines know?. <i>Journal of the ACM</i> , 1992 , 39, 328-376	2	64
27	Knowledge-based programs. <i>Distributed Computing</i> , 1997 , 10, 199-225	1.2	60
26	A formula for incorporating weights into scoring rules. <i>Theoretical Computer Science</i> , 2000 , 239, 309-338 ^{1.1}		56
25	Asymptotic miss ratios over independent references. <i>Journal of Computer and System Sciences</i> , 1977 , 14, 222-250	1	55
24	Relaxing the Triangle Inequality in Pattern Matching. <i>International Journal of Computer Vision</i> , 1998 , 30, 219-231	10.6	47
23	The hierarchical approach to modeling knowledge and common knowledge. <i>International Journal of Game Theory</i> , 1999 , 28, 331-365	0.5	44
22	Inclusion dependencies and their interaction with functional dependencies 1982 ,		32
21	Cold-start vs. warm-start miss ratios. <i>Communications of the ACM</i> , 1978 , 21, 866-872	2.5	31
20	A spectrum hierarchy. <i>Mathematical Logic Quarterly</i> , 1975 , 21, 123-134	0.3	29
19	Data-driven understanding and refinement of schema mappings. <i>SIGMOD Record</i> , 2001 , 30, 485-496	1.1	27
18	Armstrong databases for functional and inclusion dependencies. <i>Information Processing Letters</i> , 1983 , 16, 13-19	0.8	27
17	The Closure of Monadic NP. <i>Journal of Computer and System Sciences</i> , 2000 , 60, 660-716	1	22
16	Efficient Calculation of Expected Miss Ratios in the Independent Reference Model. <i>SIAM Journal on Computing</i> , 1978 , 7, 288-297	1.1	22
15	Common knowledge revisited. <i>Annals of Pure and Applied Logic</i> , 1999 , 96, 89-105	0.7	20

14	A quantitative analysis of modal logic. <i>Journal of Symbolic Logic</i> , 1994 , 59, 209-252	0.4	18
13	A formal model of knowledge, action, and communication in distributed systems 1985 ,		15
12	On winning strategies in Ehrenfeucht-Fraïssé games. <i>Theoretical Computer Science</i> , 1997 , 174, 97-121	1.1	13
11	Probabilistic data exchange. <i>Journal of the ACM</i> , 2011 , 58, 1-55	2	12
10	Knowledge and implicit knowledge in a distributed environment: Preliminary Report 1986 , 187-206		12
9	Tools for Template Dependencies. <i>SIAM Journal on Computing</i> , 1983 , 12, 36-59	1.1	11
8	Finite-model theory – personal perspective. <i>Lecture Notes in Computer Science</i> , 1990 , 1-24	0.9	9
7	Probabilistic data exchange 2010 ,		8
6	Comparing the Power of Games on Graphs. <i>Mathematical Logic Quarterly</i> , 1997 , 43, 431-455	0.3	7
5	Knowledge-based programs 1995 ,		7
4	The independence of miss ratio on page size. <i>Journal of the ACM</i> , 1976 , 23, 128-146	2	7
3	Spectra with only unary function symbols. <i>Lecture Notes in Computer Science</i> , 1998 , 189-202	0.9	6
2	A counterintuitive example of computer paging. <i>Communications of the ACM</i> , 1976 , 19, 96-97	2.5	2
1	Comparing the power of monadic NP games. <i>Lecture Notes in Computer Science</i> , 1995 , 414-425	0.9	1