

# Yoram Moses

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,736  
citations

623574

14  
h-index

302012

39  
g-index

62  
all docs

62  
docs citations

62  
times ranked

887  
citing authors

#	ARTICLE	IF	CITATIONS
1	Knowledge and common knowledge in a distributed environment. Journal of the ACM, 1990, 37, 549-587.	1.8	652
2	A guide to completeness and complexity for modal logics of knowledge and belief. Artificial Intelligence, 1992, 54, 319-379.	3.9	606
3	Knowledge and common knowledge in a distributed environment. , 1984, , .		181
4	Knowledge and common knowledge in a Byzantine environment: Crash failures. Information and Computation, 1990, 88, 156-186.	0.5	177
5	Programming simultaneous actions using common knowledge. Algorithmica, 1988, 3, 121-169.	1.0	141
6	Fully Polynomial Byzantine Agreement for $n > 3t$ Processors in $t + 1$ Rounds. SIAM Journal on Computing, 1998, 27, 247-290.	0.8	110
7	A Layered Analysis of Consensus. SIAM Journal on Computing, 2002, 31, 989-1021.	0.8	97
8	Knowledge-based programs. Distributed Computing, 1997, 10, 199-225.	0.7	76
9	Coordinated consensus in dynamic networks. , 2011, , .		60
10	Cheating husbands and other stories: A case study of knowledge, action, and communication. Distributed Computing, 1986, 1, 167-176.	0.7	57
11	TimeFlip: Scheduling network updates with timestamp-based TCAM ranges. , 2015, , .		53
12	Timed Consistent Network Updates in Software-Defined Networks. IEEE/ACM Transactions on Networking, 2016, 24, 3412-3425.	2.6	48
13	Belief as defeasible knowledge. Artificial Intelligence, 1993, 64, 299-321.	3.9	46
14	Software defined networks: It's about time. , 2016, , .		46
15	Timed consistent network updates. , 2015, , .		44
16	Time-based updates in software defined networks. , 2013, , .		37
17	Common knowledge revisited. Annals of Pure and Applied Logic, 1999, 96, 89-105.	0.3	31
18	Applications of a logic of knowledge to motion planning under uncertainty. Journal of the ACM, 1997, 44, 633-668.	1.8	30

#	ARTICLE	IF	CITATIONS
19	A Characterization of Eventual Byzantine Agreement. <i>SIAM Journal on Computing</i> , 2001, 31, 838-865.	0.8	22
20	Continuous consensus via common knowledge. <i>Distributed Computing</i> , 2008, 20, 305-321.	0.7	18
21	Using ReversePTP to distribute time in Software Defined Networks. , 2014, , .		17
22	Unbeatable Consensus. <i>Lecture Notes in Computer Science</i> , 2014, , 91-106.	1.0	15
23	ReversePTP. , 2014, , .		14
24	Revisiting simultaneous consensus with crash failures. <i>Journal of Parallel and Distributed Computing</i> , 2009, 69, 400-409.	2.7	12
25	Relating Knowledge and Coordinated Action: The Knowledge of Preconditions Principle. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 215, 231-245.	0.8	12
26	Centralized and Distributed Multi-view Correspondence. <i>International Journal of Computer Vision</i> , 2007, 71, 49-69.	10.9	10
27	Agent-Time Epistemics and Coordination. <i>Lecture Notes in Computer Science</i> , 2013, , 97-108.	1.0	9
28	ReversePTP: A clock synchronization scheme for software-defined networks. <i>International Journal of Network Management</i> , 2016, 26, 355-372.	1.4	8
29	On Using Time Without Clocks via Zigzag Causality. , 2017, , .		7
30	A Refinement Theory that Supports Reasoning about Knowledge and Time for Synchronous Agents. <i>Lecture Notes in Computer Science</i> , 2001, , 125-141.	1.0	7
31	A Program Refinement Framework Supporting Reasoning about Knowledge and Time. <i>Lecture Notes in Computer Science</i> , 2000, , 114-129.	1.0	7
32	Knowledge as a Tool in Motion Planning under Uncertainty. , 1994, , 208-224.		7
33	Continuous Consensus with Failures and Recoveries. <i>Lecture Notes in Computer Science</i> , 2008, , 408-422.	1.0	7
34	Transforming worst-case optimal solutions for simultaneous tasks into all-case optimal solutions. , 2011, , .		6
35	On interactive knowledge with bounded communication. <i>Journal of Applied Non-Classical Logics</i> , 2011, 21, 323-354.	0.4	6
36	An Optimal Self-Stabilizing Firing Squad. <i>SIAM Journal on Computing</i> , 2012, 41, 415-435.	0.8	6

#	ARTICLE	IF	CITATIONS
37	OneClock to rule them all: Using time in networked applications. , 2016, , .		5
38	Beyond Lamport's Happened-Before: On the Role of Time Bounds in Synchronous Systems. Lecture Notes in Computer Science, 2010, , 421-436.	1.0	5
39	Unbeatable Set Consensus via Topological and Combinatorial Reasoning. , 2016, , .		5
40	Chapter 15 Reasoning about Knowledge and Belief. Foundations of Artificial Intelligence, 2008, , 621-647.	0.9	4
41	No Double Discount: Condition-Based Simultaneity Yields Limited Gain. Lecture Notes in Computer Science, 2008, , 423-437.	1.0	4
42	Unbeatable consensus. Distributed Computing, 2022, 35, 123-143.	0.7	4
43	Using counterfactuals in knowledge-based programming. Distributed Computing, 2004, 17, 91.	0.7	3
44	Characterizing solution concepts in terms of common knowledge of rationality. International Journal of Game Theory, 2017, 46, 457-473.	0.5	3
45	Early Decision and Stopping in Synchronous Consensus: A Predicate-Based Guided Tour. Lecture Notes in Computer Science, 2017, , 206-221.	1.0	3
46	Continuous Consensus with Ambiguous Failures. Lecture Notes in Computer Science, 2007, , 73-85.	1.0	3
47	Continuous consensus with ambiguous failures. Theoretical Computer Science, 2010, 411, 3031-3041.	0.5	2
48	Knowledge as a Window into Distributed Coordination. Lecture Notes in Computer Science, 2012, , 27-34.	1.0	2
49	Reasoning about Knowledge: A Response by the Authors. Minds and Machines, 1997, 7, 113-113.	2.7	1
50	Causing communication closure: safe program composition with reliable non-FIFO channels. Distributed Computing, 2009, 22, 73-91.	0.7	1
51	No double discount: Condition-based simultaneity yields limited gain. Information and Computation, 2012, 214, 47-58.	0.5	1
52	Reasoning about Knowledge in Human-Automation Systems (Preliminary Report). , 2007, , .		0
53	Introduction to the special issue of papers from DISC 2015. Distributed Computing, 2018, 31, 255-255.	0.7	0
54	Optimum Simultaneous Consensus for General Omissions Is Equivalent to an NP Oracle. Lecture Notes in Computer Science, 2009, , 436-448.	1.0	0

#	ARTICLE	IF	CITATIONS
55	An Optimal Self-stabilizing Firing Squad. Lecture Notes in Computer Science, 2009, , 284-296.	1.0	0
56	Knowledge in Distributed Systems. , 2016, , 1051-1055.		0
57	Known Unknowns: Time Bounds and Knowledge of Ignorance. Outstanding Contributions To Logic, 2018, , 187-206.	0.2	0
58	Long Live Continuous Consensus. Lecture Notes in Computer Science, 2007, , 490-491.	1.0	0