

Richard E Ladner

List of Publications by Year in descending order

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55
papers

4,207
citations

393982

19
h-index

288905

40
g-index

56
all docs

56
docs citations

56
times ranked

1288
citing authors

#	ARTICLE	IF	CITATIONS
1	Parallel Prefix Computation. Journal of the ACM, 1980, 27, 831-838.	1.8	1,068
2	Propositional dynamic logic of regular programs. Journal of Computer and System Sciences, 1979, 18, 194-211.	0.9	846
3	On the Structure of Polynomial Time Reducibility. Journal of the ACM, 1975, 22, 155-171.	1.8	586
4	The Computational Complexity of Provability in Systems of Modal Propositional Logic. SIAM Journal on Computing, 1977, 6, 467-480.	0.8	370
5	The circuit value problem is log space complete for P. ACM SIGACT News, 1975, 7, 18-20.	0.1	253
6	Relativization of questions about log space computability. Mathematical Systems Theory, 1976, 10, 19-32.	0.5	149
7	Alternating Pushdown and Stack Automata. SIAM Journal on Computing, 1984, 13, 135-155.	0.8	93
8	The weak truth table degrees of recursively enumerable sets. Annals of Mathematical Logic, 1975, 8, 429-448.	0.7	72
9	Group testing for image compression. IEEE Transactions on Image Processing, 2002, 11, 901-911.	6.0	69
10	Mitotic recursively enumerable sets. Journal of Symbolic Logic, 1973, 38, 199-211.	0.4	62
11	The Influence of Caches on the Performance of Sorting. Journal of Algorithms, 1999, 31, 66-104.	0.9	60
12	Windows Scheduling Problems for Broadcast Systems. SIAM Journal on Computing, 2003, 32, 1091-1113.	0.8	49
13	Who Teaches Accessibility?. , 2018, , .		46
14	A completely mitotic nonrecursive r.e. degree. Transactions of the American Mathematical Society, 1973, 184, 479-507.	0.5	36
15	<i>AccessComputing</i> Promotes Teaching Accessibility. ACM Inroads, 2016, 7, 65-68.	0.4	34
16	The Logic of Distributed Protocols. , 1986, , 207-222.		30
17	Comparison of stream merging algorithms for media-on-demand. Multimedia Systems, 2004, 9, 411-423.	3.0	29
18	Efficient parallel algorithms for linear recurrence computation. Information Processing Letters, 1982, 15, 31-35.	0.4	27

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19	Windows scheduling as a restricted version of bin packing. ACM Transactions on Algorithms, 2007, 3, 28.	0.9	27
20	The complexity of problems in systems of communicating sequential processes. Journal of Computer and System Sciences, 1980, 21, 179-194.	0.9	23
21	Probabilistic game automata. Journal of Computer and System Sciences, 1988, 36, 452-489.	0.9	22
22	Design and Real-World Evaluation of Eyes-Free Yoga. ACM Transactions on Accessible Computing, 2017, 9, 1-25.	1.9	21
23	Efficient Algorithms for Optimal Stream Merging for Media-on-Demand. SIAM Journal on Computing, 2004, 33, 1011-1034.	0.8	16
24	MultiStage: A MINMAX Bit Allocation Algorithm for Video Coders. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 59-67.	5.6	16
25	Distortion-Complexity Optimization of the H.264/MPEG-4 AVC Encoder using the GBFOS Algorithm. , 2007, , .		15
26	A Comparison of Cache Aware and Cache Oblivious Static Search Trees Using Program Instrumentation. Lecture Notes in Computer Science, 2002, , 78-92.	1.0	15
27	Alternation bounded auxiliary pushdown automata. Information and Control, 1984, 62, 93-108.	1.3	14
28	H.264/MPEG-4 AVC Encoder Parameter Selection Algorithms for Complexity Distortion Tradeoff. , 2009, , .		13
29	Activity detection in conversational sign language video for mobile telecommunication. , 2008, , .		12
30	Strategies for increasing the participation in computing of students with disabilities. ACM Inroads, 2012, 3, 42-48.	0.4	12
31	Computer accessibility for federal workers with disabilities: it's the law. Communications of the ACM, 1989, 32, 952-956.	3.3	10
32	Communication Technologies for People With Sensory Disabilities. Proceedings of the IEEE, 2012, 100, 957-973.	16.4	10
33	Increasing the participation of individuals with disabilities in computing. Communications of the ACM, 2015, 58, 33-36.	3.3	10
34	Optimizing static calendar queues. ACM Transactions on Modeling and Computer Simulation, 2000, 10, 179-214.	0.6	9
35	Why is Data on Disability so Hard to Collect and Understand?. , 2020, , .		9
36	Competitive on-line stream merging algorithms for media-on-demand. Journal of Algorithms, 2003, 48, 59-90.	0.9	7

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37	Solitaire automata. <i>Journal of Computer and System Sciences</i> , 1985, 30, 116-129.	0.9	6
38	Optimal delay for media-on-demand with pre-loading and pre-buffering. <i>Theoretical Computer Science</i> , 2008, 399, 3-11.	0.5	6
39	Off-line and on-line guaranteed start-up delay for Media-on-Demand with stream merging. <i>Journal of Discrete Algorithms</i> , 2006, 4, 72-105.	0.7	5
40	Addressing Performance and Security in a Screen Reading Web Application That Enables Accessibility Anywhere. , 2008, , .		5
41	Improving Compressed Video Sign Language Conversations in the Presence of Data Loss. , 2011, , .		5
42	My path to becoming an accessibility researcher. <i>ACM SIGACCESS Accessibility and Computing</i> , 2014, , 5-16.	0.2	5
43	Position: Accessible Block-Based Programming: Why and How. , 2019, , .		5
44	Scheduling Techniques for Media-on-Demand. <i>Algorithmica</i> , 2008, 52, 413-439.	1.0	4
45	Windows scheduling of arbitrary-length jobs on multiple machines. <i>Journal of Scheduling</i> , 2012, 15, 141-155.	1.3	4
46	Fast algorithms for designing nearly optimal lookup tables for complexity control of the H.264 encoder. <i>Signal, Image and Video Processing</i> , 2013, 7, 991-1003.	1.7	4
47	Including Disability in Diversity. , 2018, , .		4
48	Group testing for image compression using alternative transforms. <i>Signal Processing: Image Communication</i> , 2003, 18, 561-574.	1.8	3
49	A General Buffer Scheme for the Windows Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2005, , 139-151.	1.0	3
50	Windows scheduling of arbitrary length jobs on parallel machines. , 2005, , .		3
51	Complexity Theory with Emphasis on the Complexity of Logical Theories. , 1980, , 286-319.		2
52	Addressing Disability in CS for All. , 2019, , .		2
53	A general buffer scheme for the windows scheduling problem. <i>Journal of Experimental Algorithmics</i> , 2009, 13, .	0.7	1
54	Optimal Delay for Media-on-Demand with Pre-loading and Pre-buffering. <i>Lecture Notes in Computer Science</i> , 2006, , 171-181.	1.0	0

#	ARTICLE	IF	CITATIONS
55	Panel: An intersectional approach to including disability in BPC. , 2021, , .		0