

Manfred K Warmuth

List of Publications by Year in descending order

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66
papers

5,403
citations

279701

23
h-index

168321

53
g-index

68
all docs

68
docs citations

68
times ranked

2384
citing authors

#	ARTICLE	IF	CITATIONS
1	Learnability and the Vapnik-Chervonenkis dimension. Journal of the ACM, 1989, 36, 929-965.	1.8	1,358
2	Occam's Razor. Information Processing Letters, 1987, 24, 377-380.	0.4	748
3	Exponentiated Gradient versus Gradient Descent for Linear Predictors. Information and Computation, 1997, 132, 1-63.	0.5	498
4	How to use expert advice. Journal of the ACM, 1997, 44, 427-485.	1.8	387
5	Tracking the Best Expert. Machine Learning, 1998, 32, 151-178.	3.4	302
6	Active Learning with Support Vector Machines in the Drug Discovery Process. Journal of Chemical Information and Computer Sciences, 2003, 43, 667-673.	2.8	281
7	On-Line Portfolio Selection Using Multiplicative Updates. Mathematical Finance, 1998, 8, 325-347.	0.9	229
8	Computing on an anonymous ring. Journal of the ACM, 1988, 35, 845-875.	1.8	180
9	Prediction-preserving reducibility. Journal of Computer and System Sciences, 1990, 41, 430-467.	0.9	127
10	Equivalence of models for polynomial learnability. Information and Computation, 1991, 95, 129-161.	0.5	106
11	The minimum consistent DFA problem cannot be approximated within any polynomial. Journal of the ACM, 1993, 40, 95-142.	1.8	101
12	Engineering proteinase K using machine learning and synthetic genes. BMC Biotechnology, 2007, 7, 16.	1.7	88
13	How to use expert advice. , 1993, , .		85
14	Learning Integer Lattices. SIAM Journal on Computing, 1992, 21, 240-266.	0.8	63
15	Tracking the Best Disjunction. Machine Learning, 1998, 32, 127-150.	3.4	62
16	Averaging Expert Predictions. Lecture Notes in Computer Science, 1999, , 153-167.	1.0	61
17	Learning nested differences of intersection-closed concept classes. Machine Learning, 1990, 5, 165-196.	3.4	48
18	On-line prediction and conversion strategies. Machine Learning, 1996, 25, 71-110.	3.4	45

#	ARTICLE	IF	CITATIONS
19	Profile Scheduling of Opposing Forests and Level Orders. SIAM Journal on Algebraic and Discrete Methods, 1985, 6, 665-687.	0.8	43
20	Efficient Learning with Virtual Threshold Gates. Information and Computation, 1998, 141, 66-83.	0.5	34
21	Scheduling precedence graphs of bounded height. Journal of Algorithms, 1984, 5, 48-59.	0.9	33
22	A Comparison of New and Old Algorithms for a Mixture Estimation Problem. Machine Learning, 1997, 27, 97-119.	3.4	33
23	Learning Nested Differences of Intersection-Closed Concept Classes. Machine Learning, 1990, 5, 165-196.	3.4	31
24	On-line Prediction and Conversion Strategies. Machine Learning, 1996, 25, 71-110.	3.4	26
25	Learning binary relations using weighted majority voting. Machine Learning, 1995, 20, 245-271.	3.4	25
26	On-line learning of linear functions. , 1991, , .		23
27	Entropy Regularized LPBoost. Lecture Notes in Computer Science, 2008, , 256-271.	1.0	23
28	On-line learning of linear functions. Computational Complexity, 1995, 5, 1-23.	0.2	22
29	On the Computational Complexity of Approximating Distributions by Probabilistic Automata. Machine Learning, 1992, 9, 205-260.	3.4	21
30	Predicting nearly as well as the best pruning of a planar decision graph. Theoretical Computer Science, 2002, 288, 217-235.	0.5	20
31	Online Variance Minimization. Lecture Notes in Computer Science, 2006, , 514-528.	1.0	19
32	Tracking a Small Set of Experts by Mixing Past Posteriors. Lecture Notes in Computer Science, 2001, , 31-47.	1.0	19
33	On the worst-case analysis of temporal-difference learning algorithms. Machine Learning, 1996, 22, 95-121.	3.4	18
34	Gap Theorems for Distributed Computation. SIAM Journal on Computing, 1993, 22, 379-394.	0.8	17
35	Bayesian generalized probability calculus for density matrices. Machine Learning, 2010, 78, 63-101.	3.4	17
36	Relative Expected Instantaneous Loss Bounds. Journal of Computer and System Sciences, 2002, 64, 76-102.	0.9	16

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37	Scattered versus context-sensitive rewriting. Acta Informatica, 1989, 27, 81.	0.5	15
38	LEARNING NESTED DIFFERENCES OF INTERSECTION-CLOSED CONCEPT CLASSES. , 1989, , 41-56.		15
39	Online kernel PCA with entropic matrix updates. , 2007, , .		14
40	Path Kernels and Multiplicative Updates. Lecture Notes in Computer Science, 2002, , 74-89.	1.0	14
41	Composite Geometric Concepts and Polynomial Predictability. , 1990, , 273-287.		13
42	Compressing to VC Dimension Many Points. Lecture Notes in Computer Science, 2003, , 743-744.	1.0	12
43	Worst-case quadratic loss bounds for a generalization of the Widrow-Hoff rule. , 1993, , .		11
44	Applications of scheduling theory to formal language theory. Theoretical Computer Science, 1985, 37, 217-243.	0.5	10
45	Leaving the Span. Lecture Notes in Computer Science, 2005, , 366-381.	1.0	10
46	Online variance minimization. Machine Learning, 2012, 87, 1-32.	3.4	10
47	The parallel complexity of scheduling with precedence constraints. Journal of Parallel and Distributed Computing, 1986, 3, 553-576.	2.7	8
48	Learning Binary Relations Using Weighted Majority Voting. Machine Learning, 1995, 20, 245-271.	3.4	7
49	Labeled Compression Schemes for Extremal Classes. Lecture Notes in Computer Science, 2016, , 34-49.	1.0	7
50	Efficient Learning with Virtual Threshold Gates. , 1995, , 378-386.		7
51	Manipulating derivation forests by scheduling techniques. Theoretical Computer Science, 1986, 45, 87-119.	0.5	6
52	Winnowing subspaces. , 2007, , .		6
53	Learning Permutations with Exponential Weights. , 2007, , 469-483.		6
54	Unlabeled sample compression schemes and corner peelings for ample and maximum classes. Journal of Computer and System Sciences, 2022, 127, 1-28.	0.9	4

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55	Combining Initial Segments of Lists. Lecture Notes in Computer Science, 2011, , 219-233.	1.0	3
56	Online PCA with Optimal Regrets. Lecture Notes in Computer Science, 2013, , 98-112.	1.0	3
57	Relative Loss Bounds for Temporal-Difference Learning. Machine Learning, 2003, 51, 23-50.	3.4	2
58	The P -Norn Generalization of the LMS Algorithm for Adaptive Filtering. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1717-1722.	0.4	2
59	Active Learning with Support Vector Machines in the Drug Discovery Process.. ChemInform, 2003, 34, no.	0.1	1
60	Combining initial segments of lists. Theoretical Computer Science, 2014, 519, 29-45.	0.5	1
61	Can Entropic Regularization Be Replaced by Squared Euclidean Distance Plus Additional Linear Constraints. Lecture Notes in Computer Science, 2006, , 653-654.	1.0	1
62	When Is There a Free Matrix Lunch?. , 2007, , 630-632.		1
63	New combination coefficients for AdaBoost algorithms. , 2010, , .		0
64	Kernelization of matrix updates, when and how?. Theoretical Computer Science, 2014, 558, 159-178.	0.5	0
65	Learning rotations with little regret. Machine Learning, 2016, 104, 129-148.	3.4	0
66	The distributed bit complexity of the ring: From the anonymous to the non-anonymous case. Lecture Notes in Computer Science, 1989, , 58-67.	1.0	0