# Manfred K Warmuth

List of Publications by Year
in descending order

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|---|---|---|---|
| 66 papers | 5,403 citations | 279487 <br> 23 h-index | 168136 <br> 53 g-index |
| 68 all docs | 68 docs citations | 68 times ranked | 2384 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | 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 |
| 2 | Learning rotations with little regret. Machine Learning, 2016, 104, 129-148. | 3.4 | 0 |
| 3 | Labeled Compression Schemes for Extremal Classes. Lecture Notes in Computer Science, 2016, , 34-49. | 1.0 | 7 |
| 4 | Kernelization of matrix updates, when and how?. Theoretical Computer Science, 2014, 558, 159-178. | 0.5 | 0 |
| 5 | Combining initial segments of lists. Theoretical Computer Science, 2014, 519, 29-45. | 0.5 | 1 |
| 6 | Online PCA with Optimal Regrets. Lecture Notes in Computer Science, 2013, , 98-112. | 1.0 | 3 |
| 7 | Online variance minimization. Machine Learning, 2012, 87, 1-32. | 3.4 | 10 |
| 8 | Combining Initial Segments of Lists. Lecture Notes in Computer Science, 2011, , 219-233. | 1.0 | 3 |
| 9 | Bayesian generalized probability calculus for density matrices. Machine Learning, 2010, 78, 63-101. | 3.4 | 17 |
| 10 | New combination coefficients for AdaBoost algorithms. , 2010, , . | | 0 |
| 11 | Entropy Regularized LPBoost. Lecture Notes in Computer Science, 2008, , 256-271. | 1.0 | 23 |
| 12 | Online kernel PCA with entropic matrix updates. , 2007, , . | | 14 |
| 13 | Winnowing subspaces. , 2007, , . | | 6 |
| 14 | Engineering proteinase K using machine learning and synthetic genes. BMC Biotechnology, 2007, 7, 16. | 1.7 | 88 |
| 15 | Learning Permutations with Exponential Weights. , 2007, , 469-483. | | 6 |
| 16 | When Is There a Free Matrix Lunch?. , 2007, , 630-632. | | 1 |
| 17 | Online Variance Minimization. Lecture Notes in Computer Science, 2006, , 514-528. | 1.0 | 19 |
| 18 | Can Entropic Regularization Be Replaced by Squared Euclidean Distance Plus Additional Linear Constraints. Lecture Notes in Computer Science, 2006, , 653-654. | 1.0 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Leaving the Span. Lecture Notes in Computer Science, 2005, , 366-381. | 1.0 | 10 |
| 20 | Relative Loss Bounds for Temporal-Difference Learning. Machine Learning, 2003, 51, 23-50. | 3.4 | 2 |
| 21 | Active Learning with Support Vector Machines in the Drug Discovery Process.. ChemInform, 2003, 34, no. | 0.1 | 1 |
| 22 | 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 |
| 23 | 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 |
| 24 | Compressing to VC Dimension Many Points. Lecture Notes in Computer Science, 2003, , 743-744. | 1.0 | 12 |
| 25 | Relative Expected Instantaneous Loss Bounds. Journal of Computer and System Sciences, 2002, 64, 76-102. | 0.9 | 16 |
| 26 | Predicting nearly as well as the best pruning of a planar decision graph. Theoretical Computer Science, 2002, 288, 217-235. | 0.5 | 20 |
| 27 | Path Kernels and Multiplicative Updates. Lecture Notes in Computer Science, 2002, , 74-89. | 1.0 | 14 |
| 28 | Tracking a Small Set of Experts by Mixing Past Posteriors. Lecture Notes in Computer Science, 2001, , 31-47. | 1.0 | 19 |
| 29 | Averaging Expert Predictions. Lecture Notes in Computer Science, 1999, , 153-167. | 1.0 | 61 |
| 30 | Tracking the Best Expert. Machine Learning, 1998, 32, 151-178. | 3.4 | 302 |
| 31 | Tracking the Best Disjunction. Machine Learning, 1998, 32, 127-150. | 3.4 | 62 |
| 32 | Efficient Learning with Virtual Threshold Gates. Information and Computation, 1998, 141, 66-83. | 0.5 | 34 |
| 33 | On-Line Portfolio Selection Using Multiplicative Updates. Mathematical Finance, 1998, 8, 325-347. | 0.9 | 229 |
| 34 | How to use expert advice. Journal of the ACM, 1997, 44, 427-485. | 1.8 | 387 |
| 35 | Exponentiated Gradient versus Gradient Descent for Linear Predictors. Information and Computation, 1997, 132, 1-63. | 0.5 | 498 |
| 36 | A Comparison of New and Old Algorithms for a Mixture Estimation Problem. Machine Learning, 1997, 27, 97-119. | 3.4 | 33 |

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|---|---------|-----|-----------|
| 37 | On-line Prediction and Conversion Strategies. Machine Learning, 1996, 25, 71-110. | 3.4 | 26 |
| 38 | On the worst-case analysis of temporal-difference learning algorithms. Machine Learning, 1996, 22, 95-121. | 3.4 | 18 |
| 39 | On-line prediction and conversion strategies. Machine Learning, 1996, 25, 71-110. | 3.4 | 45 |
| 40 | On-line learning of linear functions. Computational Complexity, 1995, 5, 1-23. | 0.2 | 22 |
| 41 | Learning Binary Relations Using Weighted Majority Voting. Machine Learning, 1995, 20, 245-271. | 3.4 | 7 |
| 42 | Learning binary relations using weighted majority voting. Machine Learning, 1995, 20, 245-271. | 3.4 | 25 |
| 43 | Efficient Learning with Virtual Threshold Gates. , 1995, , 378-386. | | 7 |
| 44 | Gap Theorems for Distributed Computation. SIAM Journal on Computing, 1993, 22, 379-394. | 0.8 | 17 |
| 45 | How to use expert advice. , 1993, , . | | 85 |
| 46 | The minimum consistent DFA problem cannot be approximated within any polynomial. Journal of the ACM, 1993, 40, 95-142. | 1.8 | 101 |
| 47 | Worst-case quadratic loss bounds for a generalization of the Widrow-Hoff rule. , 1993, , . | | 11 |
| 48 | Learning Integer Lattices. SIAM Journal on Computing, 1992, 21, 240-266. | 0.8 | 63 |
| 49 | On the Computational Complexity of Approximating Distributions by Probabilistic Automata. Machine Learning, 1992, 9, 205-260. | 3.4 | 21 |
| 50 | Equivalence of models for polynomial learnability. Information and Computation, 1991, 95, 129-161. | 0.5 | 106 |
| 51 | On-line learning of linear functions. , 1991, , . | | 23 |
| 52 | Prediction-preserving reducibility. Journal of Computer and System Sciences, 1990, 41, 430-467. | 0.9 | 127 |
| 53 | Learning Nested Differences of Intersection-Closed Concept Classes. Machine Learning, 1990, 5, 165-196. | 3.4 | 31 |
| 54 | Learning nested differences of intersection-closed concept classes. Machine Learning, 1990, 5, 165-196. | 3.4 | 48 |

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|---|---------|-----|-----------|
| 55 | Composite Geometric Concepts and Polynomial Predictability. , 1990, , 273-287. | | 13 |
| 56 | Scattered versus context-sensitive rewriting. Acta Informatica, 1989, 27, 81. | 0.5 | 15 |
| 57 | Learnability and the Vapnik-Chervonenkis dimension. Journal of the ACM, 1989, 36, 929-965. | 1.8 | 1,358 |
| 58 | LEARNING NESTED DIFFERENCES OF INTERSECTION-CLOSED CONCEPT CLASSES. , 1989, , 41-56. | | 15 |
| 59 | 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 |
| 60 | Computing on an anonymous ring. Journal of the ACM, 1988, 35, 845-875. | 1.8 | 180 |
| 61 | Occam's Razor. Information Processing Letters, 1987, 24, 377-380. | 0.4 | 748 |
| 62 | The parallel complexity of scheduling with precedence constraints. Journal of Parallel and Distributed Computing, 1986, 3, 553-576. | 2.7 | 8 |
| 63 | Manipulating derivation forests by scheduling techniques. Theoretical Computer Science, 1986, 45, 87-119. | 0.5 | 6 |
| 64 | Applications of scheduling theory to formal language theory. Theoretical Computer Science, 1985, 37, 217-243. | 0.5 | 10 |
| 65 | Profile Scheduling of Opposing Forests and Level Orders. SIAM Journal on Algebraic and Discrete Methods, 1985, 6, 665-687. | 0.8 | 43 |
| 66 | Scheduling precedence graphs of bounded height. Journal of Algorithms, 1984, 5, 48-59. | 0.9 | 33 |