

Chih-Jen Lin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9424081/chih-jen-lin-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79 papers	29,207 citations	36 h-index	85 g-index
85 ext. papers	34,483 ext. citations	4.1 avg, IF	8.01 L-index

#	Paper	IF	Citations
79	LIBSVM. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2011 , 2, 1-27	8	16717
78	A comparison of methods for multiclass support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 415-25		3946
77	Asymptotic behaviors of support vector machines with Gaussian kernel. <i>Neural Computation</i> , 2003 , 15, 1667-89	2.9	1073
76	Projected gradient methods for nonnegative matrix factorization. <i>Neural Computation</i> , 2007 , 19, 2756-72	2.9	1027
75	Predicting subcellular localization of proteins for Gram-negative bacteria by support vector machines based on n-peptide compositions. <i>Protein Science</i> , 2004 , 13, 1402-6	6.3	535
74	A note on Platt's probabilistic outputs for support vector machines. <i>Machine Learning</i> , 2007 , 68, 267-276	4	496
73	Load forecasting using support vector Machines: a study on EUNITE competition 2001. <i>IEEE Transactions on Power Systems</i> , 2004 , 19, 1821-1830	7	471
72	A dual coordinate descent method for large-scale linear SVM 2008 ,		354
71	Combining SVMs with Various Feature Selection Strategies. <i>Studies in Fuzziness and Soft Computing</i> , 2006 , 315-324	0.7	354
70	Training nu-support vector classifiers: theory and algorithms. <i>Neural Computation</i> , 2001 , 13, 2119-47	2.9	332
69	Parallel spectral clustering in distributed systems. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 568-86	13.3	313
68	On the Convergence of Multiplicative Update Algorithms for Nonnegative Matrix Factorization. <i>IEEE Transactions on Neural Networks</i> , 2007 , 18, 1589-1596		249
67	A tutorial on Support vector machines. <i>Applied Stochastic Models in Business and Industry</i> , 2005 , 21, 111-136	1.1	248
66	Field-aware Factorization Machines for CTR Prediction 2016 ,		231
65	Training nu-support vector regression: theory and algorithms. <i>Neural Computation</i> , 2002 , 14, 1959-77	2.9	214
64	Newton's Method for Large Bound-Constrained Optimization Problems. <i>SIAM Journal on Optimization</i> , 1999 , 9, 1100-1127	2	207
63	A study on SMO-type decomposition methods for support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 893-908		180

62	Dual coordinate descent methods for logistic regression and maximum entropy models. <i>Machine Learning</i> , 2011 , 85, 41-75	4	175
61	Recent Advances of Large-Scale Linear Classification. <i>Proceedings of the IEEE</i> , 2012 , 100, 2584-2603	14.3	164
60	A Simple Decomposition Method for Support Vector Machines 2002 , 46, 291-314		164
59	Radius margin bounds for support vector machines with the RBF kernel. <i>Neural Computation</i> , 2003 , 15, 2643-81	2.9	147
58	On the convergence of the decomposition method for support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2001 , 12, 1288-98		135
57	A study on reduced support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2003 , 14, 1449-59		134
56	The analysis of decomposition methods for support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2000 , 11, 1003-8		96
55	Asymptotic convergence of an SMO algorithm without any assumptions. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 248-50		79
54	A fast parallel SGD for matrix factorization in shared memory systems 2013 ,		78
53	A sequential dual method for large scale multi-class linear svms 2008 ,		70
52	Leave-One-Out Bounds for Support Vector Regression Model Selection. <i>Neural Computation</i> , 2005 , 17, 1188-1222	2.9	70
51	Big data small footprint. <i>Proceedings of the VLDB Endowment</i> , 2014 , 7, 1429-1440	3.1	62
50	Large-scale linear rankSVM. <i>Neural Computation</i> , 2014 , 26, 781-817	2.9	60
49	Formulations of Support Vector Machines: A Note from an Optimization Point of View. <i>Neural Computation</i> , 2001 , 13, 307-317	2.9	58
48	Trust region Newton methods for large-scale logistic regression 2007 ,		52
47	A formal analysis of stopping criteria of decomposition methods for support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 1045-52		51
46	A Fast Parallel Stochastic Gradient Method for Matrix Factorization in Shared Memory Systems. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2015 , 6, 1-24	8	45
45	Prediction of the bonding states of cysteines using the support vector machines based on multiple feature vectors and cysteine state sequences. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004 , 55, 1036-42	4.2	45

44	Automatic Valve Plane Localization in Myocardial Perfusion SPECT/CT by Machine Learning: Anatomic and Clinical Validation. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 961-967	8.9	37
43	Large-scale logistic regression and linear support vector machines using spark 2014 ,		34
42	Timing-driven test point insertion for full-scan and partial-scan BIST		33
41	A study on L2-loss (squared hinge-loss) multiclass SVM. <i>Neural Computation</i> , 2013 , 25, 1302-23	2.9	32
40	Decomposition Methods for Linear Support Vector Machines. <i>Neural Computation</i> , 2004 , 16, 1689-1704	2.9	27
39	Large Linear Classification When Data Cannot Fit in Memory. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2012 , 5, 1-23	4	26
38	Incremental and decremental training for linear classification 2014 ,		25
37	Large linear classification when data cannot fit in memory 2010 ,		25
36	A Learning-Rate Schedule for Stochastic Gradient Methods to Matrix Factorization. <i>Lecture Notes in Computer Science</i> , 2015 , 442-455	0.9	22
35	Fine-grained protein fold assignment by support vector machines using generalized npeptide coding schemes and jury voting from multiple-parameter sets. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003 , 50, 531-6	4.2	22
34	Large-scale Kernel RankSVM 2014 ,		20
33	Linear and Kernel Classification: When to Use Which? 2016 ,		19
32	Cross-generation and cross-laboratory predictions of Affymetrix microarrays by rank-based methods. <i>Journal of Biomedical Informatics</i> , 2008 , 41, 570-9	10.2	18
31	Distributed Newton Methods for Regularized Logistic Regression. <i>Lecture Notes in Computer Science</i> , 2015 , 690-703	0.9	18
30	A note on the decomposition methods for support vector regression. <i>Neural Computation</i> , 2002 , 14, 1267-81	2.9	17
29	Parallel Dual Coordinate Descent Method for Large-scale Linear Classification in Multi-core Environments 2016 ,		16
28	Analysis of switching dynamics with competing support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2004 , 15, 720-7		15
27	Solving quadratic semi-infinite programming problems by using relaxed cutting-plane scheme. <i>Journal of Computational and Applied Mathematics</i> , 2001 , 129, 89-104	2.4	15

26	An Incomplete Cholesky Factorization for Dense Symmetric Positive Definite Matrices. <i>BIT Numerical Mathematics</i> , 2000 , 40, 536-558	1.7	15
25	Integration of partial scan and built-in self-test. <i>Journal of Electronic Testing: Theory and Applications (JETTA)</i> , 1995 , 7, 125-137	0.7	15
24	A Hybrid Algorithm For Test Point Selection For Scan-based Bist		14
23	Fast Matrix-Vector Multiplications for Large-Scale Logistic Regression on Shared-Memory Systems 2015 ,		12
22	Efficient test-point selection for scan-based BIST. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 1998 , 6, 667-676	2.6	12
21	Acceptance of embryonic stem cells by a wide developmental range of mouse tetraploid embryos. <i>Biology of Reproduction</i> , 2010 , 83, 177-84	3.9	11
20	Expression of HOXB genes is significantly different in acute myeloid leukemia with a partial tandem duplication of MLL vs. a MLL translocation: a cross-laboratory study. <i>Cancer Genetics</i> , 2011 , 204, 252-9	2.3	10
19	Subsampled Hessian Newton Methods for Supervised Learning. <i>Neural Computation</i> , 2015 , 27, 1766-95	2.9	9
18	Warm Start for Parameter Selection of Linear Classifiers 2015 ,		8
17	Active learning strategies using SVMs 2010 ,		8
16	Distributed Newton Methods for Deep Neural Networks. <i>Neural Computation</i> , 2018 , 30, 1673-1724	2.9	7
15	IJCNN 2001 challenge: generalization ability and text decoding		5
14	Iterative scaling and coordinate descent methods for maximum entropy 2009 ,		5
13	Improved derivation efficiency and pluripotency of stem cells from the refractory inbred C57BL/6 mouse strain by small molecules. <i>PLoS ONE</i> , 2014 , 9, e106916	3.7	4
12	Solving General Capacity Problem by Relaxed Cutting Plane Approach. <i>Annals of Operations Research</i> , 2001 , 103, 193-211	3.2	3
11	Naive Parallelization of Coordinate Descent Methods and an Application on Multi-core L1-regularized Classification 2018 ,		3
10	Analysis of Nonstationary Time Series Using Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2002 , 160-170	0.9	3
9	Parameter Selection for Linear Support Vector Regression. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 5639-5644	10.3	2

8	Limited-memory Common-directions Method for Distributed Optimization and its Application on Empirical Risk Minimization 2017 , 732-740		2
7	Training Support Vector Machines via SMO-Type Decomposition Methods. <i>Lecture Notes in Computer Science</i> , 2005 , 45-62	0.9	2
6	Analysis of switching dynamics with competing support vector machines		1
5	Large-Scale Spectral Clustering with Map Reduce and MPI240-261		0
4	An Efficient Alternating Newton Method for Learning Factorization Machines. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2018 , 9, 1-31	8	0
3	Newton Methods for Convolutional Neural Networks. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2020 , 11, 1-30	8	0
2	Errata to "On the convergence of the decomposition method for support vector machines". <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 1025		
1	Limited-memory common-directions method for large-scale optimization: convergence, parallelization, and distributed optimization. <i>Mathematical Programming Computation</i> , 1	7.8	