Sun-Yuan Kung

List of Publications by Year in descending order

56 papers	3,698 citations	236925 25 h-index	302126 39 g-index
56 all docs	56 docs citations	56 times ranked	1677 citing authors

#	Article	IF	Citations
1	Scalable Kernel Learning Via the Discriminant Information. , 2020, , .		1
2	FUEL-mLoc: feature-unified prediction and explanation of multi-localization of cellular proteins in multiple organisms. Bioinformatics, 2017, 33, 749-750.	4.1	27
3	Transductive Learning for Multi-Label Protein Subchloroplast Localization Prediction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 212-224.	3.0	30
4	Discriminant component analysis for privacy protection and visualization of big data. Multimedia Tools and Applications, 2017, 76, 3999-4034.	3.9	26
5	Gram-LocEN: Interpretable prediction of subcellular multi-localization of Gram-positive and Gram-negative bacterial proteins. Chemometrics and Intelligent Laboratory Systems, 2017, 162, 1-9.	3.5	24
6	Collaborative PCA/DCA Learning Methods for Compressive Privacy. Transactions on Embedded Computing Systems, 2017, 16, 1-18.	2.9	18
7	Benchmark data for identifying multi-functional types of membrane proteins. Data in Brief, 2016, 8, 105-107.	1.0	9
8	Ensemble Linear Neighborhood Propagation for Predicting Subchloroplast Localization of Multi-Location Proteins. Journal of Proteome Research, 2016, 15, 4755-4762.	3.7	33
9	Sparse regressions for predicting and interpreting subcellular localization of multi-label proteins. BMC Bioinformatics, 2016, 17, 97.	2.6	26
10	Mem-ADSVM: A two-layer multi-label predictor for identifying multi-functional types of membrane proteins. Journal of Theoretical Biology, 2016, 398, 32-42.	1.7	25
11	Mem-mEN: Predicting Multi-Functional Types of Membrane Proteins by Interpretable Elastic Nets. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 706-718.	3.0	16
12	mPLR-Loc: An adaptive decision multi-label classifier based on penalized logistic regression for protein subcellular localization prediction. Analytical Biochemistry, 2015, 473, 14-27.	2.4	51
13	mLASSO-Hum: A LASSO-based interpretable human-protein subcellular localization predictor. Journal of Theoretical Biology, 2015, 382, 223-234.	1.7	30
14	HybridGO-Loc: Mining Hybrid Features on Gene Ontology for Predicting Subcellular Localization of Multi-Location Proteins. PLoS ONE, 2014, 9, e89545.	2.5	63
15	R3P-Loc: A compact multi-label predictor using ridge regression and random projection for protein subcellular localization. Journal of Theoretical Biology, 2014, 360, 34-45.	1.7	30
16	Ensemble random projection for multi-label classification with application to protein subcellular localization. , 2014, , .		8
17	GOASVM: A subcellular location predictor by incorporating term-frequency gene ontology into the general form of Chou's pseudo-amino acid composition. Journal of Theoretical Biology, 2013, 323, 40-48.	1.7	110
18	Adaptive thresholding for multi-label SVM classification with application to protein subcellular localization prediction. , 2013, , .		11

#	Article	IF	Citations
19	A classification scheme for ‘high-dimensional-small-sample-size’ data using soda and ridge-SVM with microwave measurement applications. , 2013, , .		12
20	An ensemble classifier with random projection for predicting multi-label protein subcellular localization. , 2013, , .		5
21	Semantic Similarity over Gene Ontology for Multi-Label Protein Subcellular Localization. Engineering, 2013, 05, 68-72.	0.8	16
22	GOASVM: Protein subcellular localization prediction based on Gene ontology annotation and SVM. , 2012, , .		11
23	mGOASVM: Multi-label protein subcellular localization based on gene ontology and support vector machines. BMC Bioinformatics, 2012, 13, 290.	2.6	111
24	Fast subcellular localization by cascaded fusion of signal-based and homology-based methods. Proteome Science, 2011, 9, S8.	1.7	0
25	Protein subcellular localization prediction based on profile alignment and Gene Ontology. , 2011, , .		4
26	Truncation of protein sequences for fast profile alignment with application to subcellular localization. , 2010, , .		0
27	Speeding up subcellular localization by extracting informative regions of protein sequences for profile alignment. , 2010, , .		3
28	PairProSVM: Protein Subcellular Localization Based on Local Pairwise Profile Alignment and SVM. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2008, 5, 416-422.	3.0	59
29	Distributed utility maximization for network coding based multicasting: a shortest path approach. IEEE Journal on Selected Areas in Communications, 2006, 24, 1475-1488.	14.0	50
30	Capacity bound analysis for FIR Be/spl acute/zout equalizers in ISI MIMO channels. IEEE Transactions on Signal Processing, 2005, 53, 2193-2204.	5.3	3
31	Discriminatory Mining of Gene Expression Microarray Data. Journal of Signal Processing Systems, 2003, 35, 255-272.	1.0	20
32	Capacity analysis for parallel and sequential mimo equalizers. IEEE Transactions on Signal Processing, 2003, 51, 2989-3002.	5.3	25
33	Bezout space-time precoders and equalizers for MIMO channels. IEEE Transactions on Signal Processing, 2002, 50, 2499-2514.	5.3	48
34	Speaker Verification from Coded Telephone Speech Using Stochastic Feature Transformation and Handset Identification. Lecture Notes in Computer Science, 2002, , 598-606.	1.3	9
35	Kernel-Based Probabilistic Neural Networks with Integrated Scoring Normalization for Speaker Verification. Lecture Notes in Computer Science, 2002, , 623-630.	1.3	0
36	Estimation of elliptical basis function parameters by the EM algorithm with application to speaker verification. IEEE Transactions on Neural Networks, 2000, 11, 961-969.	4.2	74

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37	Probabilistic principal component subspaces: a hierarchical finite mixture model for data visualization. IEEE Transactions on Neural Networks, 2000, 11, 625-636.	4.2	52
38	Neural networks for intelligent multimedia processing. Proceedings of the IEEE, 1998, 86, 1244-1272.	21.3	51
39	Data mapping by probabilistic modular networks and information-theoretic criteria. IEEE Transactions on Signal Processing, 1998, 46, 3378-3397.	5.3	22
40	Model-based Neural Networks for Image Processing. IEEE Signal Processing Magazine, 1997, 14, 35-36.	5.6	0
41	Face recognition/detection by probabilistic decision-based neural network. IEEE Transactions on Neural Networks, 1997, 8, 114-132.	4.2	447
42	Cross-correlation neural network models. IEEE Transactions on Signal Processing, 1994, 42, 3218-3223.	5.3	46
43	Multilayer neural networks for reduced-rank approximation. IEEE Transactions on Neural Networks, 1994, 5, 684-697.	4.2	23
44	Toeplitz eigensystem solver. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1985, 33, 1264-1271.	2.0	37
45	Adaptive notch filtering for the retrieval of sinusoids in noise. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1984, 32, 791-802.	2.0	237
46	Optical interconnections for VLSI systems. Proceedings of the IEEE, 1984, 72, 850-866.	21.3	933
47	On supercomputing with systolic/wavefront array processors. Proceedings of the IEEE, 1984, 72, 867-884.	21.3	285
48	A highly concurrent algorithm and pipeleined architecture for solving Toeplitz systems. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1983, 31, 66-76.	2.0	124
49	On two-dimensional Markov spectral estimation. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1983, 31, 836-841.	2.0	36
50	Parameter estimation aspects and the role of bandwidth in a notch filter. , 1982, , .		0
51	Wavefront Array Processor: Language, Architecture, and Applications. IEEE Transactions on Computers, 1982, C-31, 1054-1066.	3.4	209
52	A state-space formulation for optimal Hankel-norm approximations. IEEE Transactions on Automatic Control, 1981, 26, 942-946.	5.7	38
53	An unbiased adaptive method for retrieval of sinusoidal signals in colored noise. , 1981, , .		1
54	Optimal Hankel-norm model reductions: Multivariable systems. , 1980, , .		11

#	Article	IF	Citations
55	Minimum-energy multicast in mobile ad hoc networks using network coding. , 0, , .		153
56	Bounding the power rate function of wireless ad hoc networks. , 0, , .		5