

# Mahesan Niranjana

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

996  
citations

471509

17  
h-index

477307

29  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1096  
citing authors

#	ARTICLE	IF	CITATIONS
1	Financial news predicts stock market volatility better than close price. Journal of Finance and Data Science, 2018, 4, 120-137.	3.2	98
2	On Acoustic Emotion Recognition: Compensating for Covariate Shift. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1458-1468.	3.2	94
3	Asymptotic Mean and Variance of Gini Correlation for Bivariate Normal Samples. IEEE Transactions on Signal Processing, 2010, 58, 522-534.	5.3	84
4	Neural networks and radial basis functions in classifying static speech patterns. Computer Speech and Language, 1990, 4, 275-289.	4.3	68
5	Deep Cascade Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5475-5485.	11.3	66
6	Enhancing the Biological Relevance of Machine Learning Classifiers for Reverse Vaccinology. International Journal of Molecular Sciences, 2017, 18, 312.	4.1	50
7	Simultaneous pursuit of out-of-sample performance and sparsity in index tracking portfolios. Computational Management Science, 2013, 10, 21-49.	1.3	49
8	Single-cell transcriptional analysis to uncover regulatory circuits driving cell fate decisions in early mouse development. Bioinformatics, 2015, 31, 1060-1066.	4.1	43
9	Biomedical visual data analysis to build an intelligent diagnostic decision support system in medical genetics. Artificial Intelligence in Medicine, 2014, 62, 105-118.	6.5	38
10	A comparison of multitask and single task learning with artificial neural networks for yield curve forecasting. Expert Systems With Applications, 2019, 119, 362-375.	7.6	35
11	Bridging the gap between transcriptome and proteome measurements identifies post-translationally regulated genes. Bioinformatics, 2013, 29, 3060-3066.	4.1	34
12	State and parameter estimation of the heat shock response system using Kalman and particle filters. Bioinformatics, 2012, 28, 1501-1507.	4.1	32
13	Pruning with Replacement on Limited Resource Allocating Networks by F-Projections. Neural Computation, 1996, 8, 855-868.	2.2	31
14	Design of a Low-Power On-Body ECG Classifier for Remote Cardiovascular Monitoring Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 75-85.	3.6	28
15	Genome-Wide Posttranscriptional Dysregulation by MicroRNAs in Human Asthma as Revealed by Frac-seq. Journal of Immunology, 2018, 201, 251-263.	0.8	28
16	On the Practical Applicability of VC Dimension Bounds. Neural Computation, 1995, 7, 1265-1288.	2.2	22
17	Enriching Texture Analysis with Semantic Data. , 2013, , .		22
18	Rank Selection in Nonnegative Matrix Factorization using Minimum Description Length. Neural Computation, 2017, 29, 2164-2176.	2.2	21

#	ARTICLE	IF	CITATIONS
19	A Review of Codebook Models in Patch-Based Visual Object Recognition. Journal of Signal Processing Systems, 2012, 68, 333-352.	2.1	18
20	CI-SpliceAlâ€”Improving machine learning predictions of disease causing splicing variants using curated alternative splice sites. PLoS ONE, 2022, 17, e0269159.	2.5	15
21	Average-Case Learning Curves for Radial Basis Function Networks. Neural Computation, 1997, 9, 441-460.	2.2	12
22	A one-pass resource-allocating codebook for patch-based visual object recognition. , 2010, , .		12
23	Outlier detection at the transcriptome-proteome interface. Bioinformatics, 2015, 31, 2530-2536.	4.1	12
24	Robust subspace methods for outlier detection in genomic data circumvents the curse of dimensionality. Royal Society Open Science, 2020, 7, 190714.	2.4	12
25	Robust Portfolio Risk Minimization Using the Graphical Lasso. Lecture Notes in Computer Science, 2017, , 863-872.	1.3	9
26	Extending the feature set of a data-driven artificial neural network model of pricing financial options. , 2016, , .		8
27	Stability and similarity in financial networksâ€”How do they change in times of turbulence?. Physica A: Statistical Mechanics and Its Applications, 2021, 574, 126016.	2.6	8
28	An evaluation of different classification algorithms for protein sequence-based reverse vaccinology prediction. PLoS ONE, 2019, 14, e0226256.	2.5	6
29	Inducing discrimination in biologically inspired models of visual scene recognition. , 2013, , .		5
30	Speeding up multi-class texture classification by one-pass vocabulary design and decision tree. , 2011, , .		4
31	An efficient and speeded-up tree for multi-class classification. , 2012, , .		4
32	Quantifying Influence in Financial Markets via Partial Correlation Network Inference. , 2019, , .		4
33	The AI for Scientific Discovery Network+. Patterns, 2021, 2, 100162.	5.9	4
34	MIAT: A novel attribute selection approach to better predict upper gastrointestinal cancer. , 2015, , .		3
35	Enhancing Automatic Construction of Gene Subnetworks by Integrating Multiple Sources of Information. Journal of Signal Processing Systems, 2008, 50, 331-340.	2.1	2
36	The application of structured learning in natural language processing. Machine Translation, 2010, 24, 71-85.	1.3	2

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37	Machine learning for intrusion detection: Modeling the distribution shift. , 2010, , .		2
38	Towards Sinhala Tamil machine translation. , 2013, , .		2
39	Depth Estimation from a Single Omnidirectional Image using Domain Adaptation. , 2021, , .		2
40	Structure learning for natural language processing. , 2009, , .		1
41	Resource-Allocating Codebook for patch-based face recognition. , 2009, , .		1
42	Representation-dimensionality Trade-off in Biological Sequence-based Inference. , 2019, , .		1
43	Classification and Regression Analysis of Lung Tumors from Multi-level Gene Expression Data. , 2019, , .		1
44	Information Bottleneck Theory Based Exploration of Cascade Learning. Entropy, 2021, 23, 1360.	2.2	1
45	Sequential Hierarchical Pattern Clustering. Lecture Notes in Computer Science, 2009, , 79-88.	1.3	1
46	Machine learning and computer vision of bone microarchitecture can improve the fracture risk prediction provided by DXA and clinical risk factors. Rheumatology, 2022, 61, .	1.9	1
47	On the statistical physics of radial basis function networks. Neural Processing Letters, 1995, 2, 16-19.	3.2	0
48	Multi-class Classification on "VINE" Structure. , 2011, , .		0
49	A structured hardware software architecture for peptide based diagnosis &#x2014; Sub-string matching problem with limited tolerance. , 2014, , .		0
50	Variational Autoencoder for Non-Negative Matrix Factorization with Exogenous Inputs Applied to Financial Data Modelling. , 2019, , .		0
51	Generative and Discriminative Reordering Models for Statistical Machine Translation. , 2016, , .		0
52	On Comparing the Influences of Exogenous Information on Bitcoin Prices and Stock Index Values. Springer Proceedings in Business and Economics, 2020, , 93-100.	0.3	0