

# Mahesan Niranjana

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/967129/publications.pdf>

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	OA22â€fMachine learning and computer vision of bone microarchitecture can improve the fracture risk prediction provided by DXA and clinical risk factors. <i>Rheumatology</i> , 2022, 61, .	1.9	1
2	CI-SpliceAlâ€”Improving machine learning predictions of disease causing splicing variants using curated alternative splice sites. <i>PLoS ONE</i> , 2022, 17, e0269159.	2.5	15
3	The AI for Scientific Discovery Network+. <i>Patterns</i> , 2021, 2, 100162.	5.9	4
4	Stability and similarity in financial networksâ€”How do they change in times of turbulence?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 126016.	2.6	8
5	Depth Estimation from a Single Omnidirectional Image using Domain Adaptation. , 2021, , .		2
6	Information Bottleneck Theory Based Exploration of Cascade Learning. <i>Entropy</i> , 2021, 23, 1360.	2.2	1
7	Robust subspace methods for outlier detection in genomic data circumvents the curse of dimensionality. <i>Royal Society Open Science</i> , 2020, 7, 190714.	2.4	12
8	On Comparing the Influences of Exogenous Information on Bitcoin Prices and Stock Index Values. <i>Springer Proceedings in Business and Economics</i> , 2020, , 93-100.	0.3	0
9	Variational Autoencoder for Non-Negative Matrix Factorization with Exogenous Inputs Applied to Financial Data Modelling. , 2019, , .		0
10	Representation-dimensionality Trade-off in Biological Sequence-based Inference. , 2019, , .		1
11	Classification and Regression Analysis of Lung Tumors from Multi-level Gene Expression Data. , 2019, , .		1
12	An evaluation of different classification algorithms for protein sequence-based reverse vaccinology prediction. <i>PLoS ONE</i> , 2019, 14, e0226256.	2.5	6
13	Quantifying Influence in Financial Markets via Partial Correlation Network Inference. , 2019, , .		4
14	A comparison of multitask and single task learning with artificial neural networks for yield curve forecasting. <i>Expert Systems With Applications</i> , 2019, 119, 362-375.	7.6	35
15	Financial news predicts stock market volatility better than close price. <i>Journal of Finance and Data Science</i> , 2018, 4, 120-137.	3.2	98
16	Deep Cascade Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 5475-5485.	11.3	66
17	Genome-Wide Posttranscriptional Dysregulation by MicroRNAs in Human Asthma as Revealed by Frac-seq. <i>Journal of Immunology</i> , 2018, 201, 251-263.	0.8	28
18	Enhancing the Biological Relevance of Machine Learning Classifiers for Reverse Vaccinology. <i>International Journal of Molecular Sciences</i> , 2017, 18, 312.	4.1	50

#	ARTICLE	IF	CITATIONS
19	Robust Portfolio Risk Minimization Using the Graphical Lasso. Lecture Notes in Computer Science, 2017, , 863-872.	1.3	9
20	Rank Selection in Nonnegative Matrix Factorization using Minimum Description Length. Neural Computation, 2017, 29, 2164-2176.	2.2	21
21	Extending the feature set of a data-driven artificial neural network model of pricing financial options. , 2016, , .		8
22	Generative and Discriminative Reordering Models for Statistical Machine Translation. , 2016, , .		0
23	MIAT: A novel attribute selection approach to better predict upper gastrointestinal cancer. , 2015, , .		3
24	Outlier detection at the transcriptome-proteome interface. Bioinformatics, 2015, 31, 2530-2536.	4.1	12
25	Single-cell transcriptional analysis to uncover regulatory circuits driving cell fate decisions in early mouse development. Bioinformatics, 2015, 31, 1060-1066.	4.1	43
26	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
27	A structured hardware software architecture for peptide based diagnosis &#x2014; Sub-string matching problem with limited tolerance. , 2014, , .		0
28	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
29	On Acoustic Emotion Recognition: Compensating for Covariate Shift. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1458-1468.	3.2	94
30	Bridging the gap between transcriptome and proteome measurements identifies post-translationally regulated genes. Bioinformatics, 2013, 29, 3060-3066.	4.1	34
31	Inducing discrimination in biologically inspired models of visual scene recognition. , 2013, , .		5
32	Simultaneous pursuit of out-of-sample performance and sparsity in index tracking portfolios. Computational Management Science, 2013, 10, 21-49.	1.3	49
33	Enriching Texture Analysis with Semantic Data. , 2013, , .		22
34	Towards Sinhala Tamil machine translation. , 2013, , .		2
35	State and parameter estimation of the heat shock response system using Kalman and particle filters. Bioinformatics, 2012, 28, 1501-1507.	4.1	32
36	An efficient and speeded-up tree for multi-class classification. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
37	A Review of Codebook Models in Patch-Based Visual Object Recognition. Journal of Signal Processing Systems, 2012, 68, 333-352.	2.1	18
38	Multi-class Classification on "VINE" Structure. , 2011, , .		0
39	Speeding up multi-class texture classification by one-pass vocabulary design and decision tree. , 2011, , .		4
40	The application of structured learning in natural language processing. Machine Translation, 2010, 24, 71-85.	1.3	2
41	Asymptotic Mean and Variance of Gini Correlation for Bivariate Normal Samples. IEEE Transactions on Signal Processing, 2010, 58, 522-534.	5.3	84
42	Machine learning for intrusion detection: Modeling the distribution shift. , 2010, , .		2
43	A one-pass resource-allocating codebook for patch-based visual object recognition. , 2010, , .		12
44	Structure learning for natural language processing. , 2009, , .		1
45	Resource-Allocating Codebook for patch-based face recognition. , 2009, , .		1
46	Sequential Hierarchical Pattern Clustering. Lecture Notes in Computer Science, 2009, , 79-88.	1.3	1
47	Enhancing Automatic Construction of Gene Subnetworks by Integrating Multiple Sources of Information. Journal of Signal Processing Systems, 2008, 50, 331-340.	2.1	2
48	Average-Case Learning Curves for Radial Basis Function Networks. Neural Computation, 1997, 9, 441-460.	2.2	12
49	Pruning with Replacement on Limited Resource Allocating Networks by F-Projections. Neural Computation, 1996, 8, 855-868.	2.2	31
50	On the statistical physics of radial basis function networks. Neural Processing Letters, 1995, 2, 16-19.	3.2	0
51	On the Practical Applicability of VC Dimension Bounds. Neural Computation, 1995, 7, 1265-1288.	2.2	22
52	Neural networks and radial basis functions in classifying static speech patterns. Computer Speech and Language, 1990, 4, 275-289.	4.3	68