Hien Duy Nguyen

List of Publications by Year
in descending order

63	649	686830 13	676716 22
papers	citations	h-index	g-index

67	67	67	789
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shapley Values for Feature Selection: The Good, the Bad, and the Axioms. IEEE Access, 2021, 9, 144352-144360.	2.6	82
2	Expression of PTRF in PC-3 Cells Modulates Cholesterol Dynamics and the Actin Cytoskeleton Impacting Secretion Pathways. Molecular and Cellular Proteomics, 2012, 11, M111.012245.	2.5	59
3	Multisite generalizability of schizophrenia diagnosis classification based on functional brain connectivity. Schizophrenia Research, 2018, 192, 167-171.	1.1	43
4	Laplace mixture of linear experts. Computational Statistics and Data Analysis, 2016, 93, 177-191.	0.7	38
5	Modelâ€based clustering and classification of functional data. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1298.	4.6	28
6	Approximation by finite mixtures of continuous density functions that vanish at infinity. Cogent Mathematics & Statistics, 2020, 7, 1750861.	0.9	28
7	Online Quantitative Proteomics p-Value Calculator for Permutation-Based Statistical Testing of Peptide Ratios. Journal of Proteome Research, 2014, 13, 4184-4191.	1.8	26
8	Pedestrian overpass use and its relationships with digital and social distractions, and overpass characteristics. Accident Analysis and Prevention, 2019, 131, 234-238.	3.0	25
9	A Universal Approximation Theorem for Mixture-of-Experts Models. Neural Computation, 2016, 28, 2585-2593.	1.3	21
10	A globally convergent algorithm for lasso-penalized mixture of linear regression models. Computational Statistics and Data Analysis, 2018, 119, 19-38.	0.7	19
11	Subâ€Weibull distributions: Generalizing subâ€Gaussian and subâ€Exponential properties to heavier tailed distributions. Stat, 2020, 9, e318.	0.3	19
12	On approximations via convolution-defined mixture models. Communications in Statistics - Theory and Methods, 2019, 48, 3945-3955.	0.6	17
13	Mini-batch learning of exponential family finite mixture models. Statistics and Computing, 2020, 30, 731-748.	0.8	16
14	Maximum likelihood estimation of Gaussian mixture models without matrix operations. Advances in Data Analysis and Classification, 2015, 9, 371-394.	0.9	15
15	An introduction to Majorizationâ€Minimization algorithms for machine learning and statistical estimation. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1198.	4.6	15
16	Practical and theoretical aspects of mixtureâ€ofâ€experts modeling: An overview. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1246.	4.6	12
17	Laplace mixture autoregressive models. Statistics and Probability Letters, 2016, 110, 18-24.	0.4	11
18	False Discovery Rate Control in Magnetic Resonance Imaging Studies via Markov Random Fields. IEEE Transactions on Medical Imaging, 2014, 33, 1735-1748.	5.4	10

#	Article	IF	Citations
19	Mixtures of spatial spline regressions for clustering and classification. Computational Statistics and Data Analysis, 2016, 93, 76-85.	0.7	10
20	Spatial clustering of time series via mixture of autoregressions models and Markov random fields. Statistica Neerlandica, 2016, 70, 414-439.	0.9	10
21	Maximum Pseudolikelihood Estimation for Model-Based Clustering of Time Series Data. Neural Computation, 2017, 29, 990-1020.	1.3	9
22	Approximation results regarding the multiple-output Gaussian gated mixture of linear experts model. Neurocomputing, 2019, 366, 208-214.	3.5	9
23	Model independent feature attributions: Shapley values that uncover non-linear dependencies. PeerJ Computer Science, 2021, 7, e582.	2.7	9
24	Improved estimation of size-transition matrices using tagâ€“recapture data. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 1385-1394.	0.7	8
25	Maximum likelihood estimation of triangular and polygonal distributions. Computational Statistics and Data Analysis, 2016, 102, 23-36.	0.7	8
26	Approximate Bayesian Computation Via the Energy Statistic. IEEE Access, 2020, 8, 131683-131698.	2.6	8
27	Wholeâ€volume clustering of time series data from zebrafish brain calcium images via mixture modeling. Statistical Analysis and Data Mining, 2018, 11, 5-16.	1.4	7
28	Randomized mixture models for probability density approximation and estimation. Information Sciences, 2018, 467, 135-148.	4.0	7
29	Approximations of conditional probability density functions in Lebesgue spaces via mixture of experts models. Journal of Statistical Distributions and Applications, 2021, 8, .	1.2	7
30	A Block Successive Lower-Bound Maximization Algorithm for the Maximum Pseudo-Likelihood Estimation of Fully Visible Boltzmann Machines. Neural Computation, 2016, 28, 485-492.	1.3	6
31	Asymptotic Normality of the Maximum Pseudolikelihood Estimator for Fully Visible Boltzmann Machines. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 897-902.	7.2	6
32	logKDE: log-transformed kernel density estimation. Journal of Open Source Software, 2018, 3, 870.	2.0	6
33	On strict sub-Gaussianity, optimal proxy variance and symmetry for bounded random variables. ESAIM - Probability and Statistics, 2020, 24, 39-55.	0.2	5
34	Bayesian clustering of skewed and multimodal data using geometric skewed normal distributions. Computational Statistics and Data Analysis, 2020, 152, 107040.	0.7	4
35	Asymptotic inference for hidden process regression models. , 2014, , .		3
36	Mixture of Time-Dependent Growth Models with an Application to Blue Swimmer Crab Length-Frequency Data. Biometrics, 2016, 72, 1255-1265.	0.8	3

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37	Progress on a conjecture regarding the triangular distribution. Communications in Statistics - Theory and Methods, 2017, 46, 11261-11271.	0.6	3
38	Near universal consistency of the maximum pseudolikelihood estimator for discrete models. Journal of the Korean Statistical Society, 2018, 47, 90-98.	0.3	3
39	Regularized Estimation and Feature Selection in Mixtures of Gaussian-Gated Experts Models. Communications in Computer and Information Science, 2019, , 42-56.	0.4	3
40	Global implicit function theorems and the online expectationâ€“maximisation algorithm. Australian and New Zealand Journal of Statistics, 2022, 64, 255-281.	0.4	3
41	Linear mixed models with marginally symmetric nonparametric random effects. Computational Statistics and Data Analysis, 2016, 103, 151-169.	0.7	2
42	A Two-Sample Kolmogorov-Smirnov-Like Test for Big Data. Communications in Computer and Information Science, 2018, , 89-106.	0.4	2
43	Statistical Evaluation of Labeled Comparative Profiling Proteomics Experiments Using Permutation Test. Methods in Molecular Biology, 2017, 1549, 109-117.	0.4	2
44	BoltzMM: an R package for maximum pseudolikelihood estimation of fully-visible Boltzmann machines. Journal of Open Source Software, 2019, 4, 1193.	2.0	2
45	Shapley Value Confidence Intervals for Attributing Variance Explained. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	0.7	2
46	Approximation of probability density functions via location-scale finite mixtures in Lebesgue spaces. Communications in Statistics - Theory and Methods, 0, , 1-12.	0.6	2
47	Spatial False Discovery Rate Control for Magnetic Resonance Imaging Studies. , 2013, , .		1
48	A Block Minorizationâ€“Maximization Algorithm for Heteroscedastic Regression. IEEE Signal Processing Letters, 2016, 23, 1131-1135.	2.1	1
49	Response functions. European Economic Review, 2017, 98, 1-31.	1.2	1
50	A Universal Approximation Theorem for Gaussian-Gated Mixture of Experts Models. SSRN Electronic Journal, 2017, , .	0.4	1
51	Stream-suitable optimization algorithms for some soft-margin support vector machine variants. Japanese Journal of Statistics and Data Science, 2018, 1, 81-108.	0.7	1
52	Chunked-and-averaged estimators for vector parameters. Statistics and Probability Letters, 2018, 137, 336-342.	0.4	1
53	Positive Data Kernel Density Estimation via the LogKDE Package for R. Communications in Computer and Information Science, 2019, , 269-280.	0.4	1
54	The fully visible Boltzmann machine and the Senate of the 45th Australian Parliament in 2016. Journal of Computational Social Science, 2020, 3, 55-81.	1.4	1

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55	Comment on Liao etÂal (2021) â€˜Mothers' voices and white noise on premature infants' physiological reactions in a neonatal intensive care unit: A multi-arm randomised controlled trialâ€™. International Journal of Nursing Studies, 2021, 122, 104050.	2.5	1
56	The Fully-Visible Boltzmann Machine and the Senate of the 45th Australian Parliament in 2016. SSRN Electronic Journal, 0, , .	0.4	1
57	Modelling the Relationships between Train Commutersâ€™ Access Modes and Traffic Safety. Journal of Advanced Transportation, 2022, 2022, 1-17.	0.9	1
58	Variable selection in statistical models using population-based incremental learning with applications to genome-wide association studies. , 2012, , .		0
59	Some theoretical results regarding the polygonal distribution. Communications in Statistics - Theory and Methods, 2018, 47, 5083-5095.	0.6	0
60	Asymptotic normality of the timeâ€domain generalized least squares estimator for linear regression models. Stat, 2019, 8, e248.	0.3	0
61	An Introduction to Approximate Bayesian Computation. Communications in Computer and Information Science, 2019, , 96-108.	0.4	0
62	studentlife: Tidy Handling and Navigation of a Valuable Mobile-Health Dataset. Journal of Open Source Software, 2019, 4, 1587.	2.0	0
63	k-means on Positive Definite Matrices, and an Application to Clustering in Radar Image Sequences. , 2020, , .		0