Ata Kaban

List of Publications by Year
in descending order

44 papers	601 citations	687363 13 h-index	677142 22 g-index
45 all docs	45 docs citations	45 times ranked	585 citing authors

#	Article	IF	Citations
1	Label-Noise Robust Logistic Regression and Its Applications. Lecture Notes in Computer Science, 2012, , 143-158.	1.3	72
2	When is 'nearest neighbour' meaningful: A converse theorem and implications. Journal of Complexity, 2009, 25, 385-397.	1.3	63
3	Non-parametric detection of meaningless distances in high dimensional data. Statistics and Computing, 2012, 22, 375-385.	1.5	44
4	Learning kernel logistic regression in the presence of class label noise. Pattern Recognition, 2014, 47, 3641-3655.	8.1	40
5	Random projections as regularizers: learning a linear discriminant from fewer observations than dimensions. Machine Learning, 2015, 99, 257-286.	5.4	37
6	Classification of mislabelled microarrays using robust sparse logistic regression. Bioinformatics, 2013, 29, 870-877.	4.1	34
7	Topic Identification in Dynamical Text by Complexity Pursuit. Neural Processing Letters, 2003, 17, 69-83.	3.2	32
8	Robust mixture clustering using Pearson type VII distribution. Pattern Recognition Letters, 2010, 31, 2447-2454.	4.2	29
9	Sequential Activity Profiling: Latent Dirichlet Allocation of Markov Chains. Data Mining and Knowledge Discovery, 2005, 10, 175-196.	3.7	25
10	Compressed fisher linear discriminant analysis. , 2010, , .		22
11	The aspect Bernoulli model: multiple causes of presences and absences. Pattern Analysis and Applications, 2009, 12, 55-78.	4.6	21
12	Factorisation and denoising of 0–1 data: A variational approach. Neurocomputing, 2008, 71, 2291-2308.	5.9	20
13	K-Nearest-Neighbours with a novel similarity measure for intrusion detection. , 2013, , .		16
14	A generative probabilistic approach to visualizing sets of symbolic sequences. , 2004, , .		15
15	A Fast Algorithm for Robust Mixtures in the Presence of Measurement Errors. IEEE Transactions on Neural Networks, 2010, 21, 1206-1220.	4.2	13
16	On the distance concentration awareness of certain data reduction techniques. Pattern Recognition, 2011, 44, 265-277.	8.1	13
17	Robust mixtures in the presence of measurement errors. , 2007, , .		12
18	Finding Uninformative Features in Binary Data. Lecture Notes in Computer Science, 2005, , 40-47.	1.3	9

#	Article	IF	Citations
19	Random projections versus random selection of features for classification of high dimensional data. , 2013, , .		9
20	Predictive Modelling of Heterogeneous Sequence Collections by Topographic Ordering of Histories. Machine Learning, 2007, 68, 63-95.	5.4	8
21	Single-frame image recovery using a Pearson type VII MRF. Neurocomputing, 2012, 80, 111-118.	5.9	6
22	Large scale continuous EDA using mutual information. , 2016, , .		6
23	A dynamic bibliometric model for identifying online communities. Data Mining and Knowledge Discovery, 2008, 16, 67-107.	3.7	5
24	Robust mixture modeling using the Pearson type VII distribution. , 2010, , .		5
25	On extending quantum behaved particle swarm optimization to multiobjective context. , 2012, , .		5
26	A tight bound on the performance of Fisher's linear discriminant in randomly projected data spaces. Pattern Recognition Letters, 2012, 33, 911-919.	4.2	5
27	Heavy tails with parameter adaptation in random projection based continuous EDA. , 2015, , .		5
28	A New Look at Compressed Ordinary Least Squares. , 2013, , .		4
29	Quantum behaved particle swarm optimization for data clustering with multiple objectives. , 2014, , .		3
30	Robust randomized optimization with k nearest neighbors. Analysis and Applications, 2019, 17, 819-836.	2.2	3
31	Deconvolutive Clustering of Markov States. Lecture Notes in Computer Science, 2006, , 246-257.	1.3	3
32	State Aggregation in Higher Order Markov Chains for Finding Online Communities. Lecture Notes in Computer Science, 2006, , 1023-1030.	1.3	3
33	Robust Visual Mining of Data with Error Information. Lecture Notes in Computer Science, 2007, , 573-580.	1.3	3
34	Large-Scale Estimation of Distribution Algorithms with Adaptive Heavy Tailed Random Projection Ensembles. Journal of Computer Science and Technology, 2019, 34, 1241-1257.	1.5	2
35	Dimension-Adaptive Bounds on Compressive FLD Classification. Lecture Notes in Computer Science, 2013, , 294-308.	1.3	2
36	Single-frame image super-resolution using a Pearson type VII MRF. , 2010, , .		1

#	Article	IF	Citations
37	Finding Small Sets of Random Fourier Features for Shift-Invariant Kernel Approximation. Lecture Notes in Computer Science, 2016, , 42-54.	1.3	1
38	Joint blind source separation and declipping: A geometric approach for time disjoint sources. , 2017, , .		1
39	Compressive Learning of Multi-layer Perceptrons: An Error Analysis. , 2019, , .		1
40	Estimation of the Regularisation Parameter in Huber-MRF for Image Resolution Enhancement. Lecture Notes in Computer Science, 2013, , 294-301.	1.3	1
41	Young stellar populations in early-type galaxies in the SDSS. Proceedings of the International Astronomical Union, 2007, 3, 391-394.	0.0	0
42	Experiments with Random Projections Ensembles: Linear Versus Quadratic Discriminants. , 2019, , .		0
43	Sufficient ensemble size for random matrix theory-based handling of singular covariance matrices. Analysis and Applications, 2020, 18, 929-950.	2.2	0
44	Random Projection Through the Lens of Data Complexity Indicators. , 2021, , .		0