Mohamed Nadif

List of Publications by Year
in descending order

81 papers	1,275 citations	471509 17 h-index	434195 31 g-index
90 all docs	90 docs citations	90 times ranked	805 citing authors

#	Article	IF	Citations
1	Block clustering with Bernoulli mixture models: Comparison of different approaches. Computational Statistics and Data Analysis, 2008, 52, 3233-3245.	1.2	155
2	Clustering with block mixture models. Pattern Recognition, 2003, 36, 463-473.	8.1	152
3	A dynamic collaborative filtering system via a weighted clustering approach. Neurocomputing, 2016, 175, 206-215.	5.9	76
4	A Semi-NMF-PCA Unified Framework for Data Clustering. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2-16.	5.7	72
5	Latent Block Model for Contingency Table. Communications in Statistics - Theory and Methods, 2010, 39, 416-425.	1.0	67
6	Spectral clustering via ensemble deep autoencoder learning (SC-EDAE). Pattern Recognition, 2020, 108, 107522.	8.1	56
7	Ensemble methods for biclustering tasks. Pattern Recognition, 2012, 45, 3938-3949.	8.1	44
8	Unsupervised and self-supervised deep learning approaches for biomedical text mining. Briefings in Bioinformatics, 2021, 22, 1592-1603.	6.5	42
9	Sparse Poisson Latent Block Model for Document Clustering. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1563-1576.	5.7	34
10	Mutual information, phi-squared and model-based co-clustering for contingency tables. Advances in Data Analysis and Classification, 2018, 12, 455-488.	1.4	28
11	Co-clustering Document-term Matrices by Direct Maximization of Graph Modularity. , 2015, , .		26
12	Graph modularity maximization as an effective method for co-clustering text data. Knowledge-Based Systems, 2016, 109, 160-173.	7.1	25
13	Model-based co-clustering for the effective handling of sparse data. Pattern Recognition, 2017, 72, 108-122.	8.1	25
14	CoClust: A Python Package for Co-Clustering. Journal of Statistical Software, 2019, 88, .	3.7	24
15	Co-clustering for Binary and Categorical Data with Maximum Modularity. , 2011, , .		22
16	Directional co-clustering. Advances in Data Analysis and Classification, 2019, 13, 591-620.	1.4	21
17	Beyond cluster labeling: Semantic interpretation of clustersâ€™ contents using a graph representation. Knowledge-Based Systems, 2014, 56, 141-155.	7.1	20
18	Simultaneous Spectral Data Embedding and Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6396-6401.	11.3	19

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19	Social regularized von Misesâ€“Fisher mixture model for item recommendation. Data Mining and Knowledge Discovery, 2017, 31, 1218-1241.	3.7	17
20	Clustering of contingency table and mixture model. European Journal of Operational Research, 2007, 183, 1055-1066.	5.7	15
21	Hard and fuzzy diagonal co-clustering for document-term partitioning. Neurocomputing, 2016, 193, 133-147.	5.9	14
22	Efficient Graph Convolution for Joint Node Representation Learning and Clustering. , 2022, , .		14
23	Model-Based Co-clustering for Continuous Data. , 2010, , .		13
24	Denoising Autoencoder as an Effective Dimensionality Reduction and Clustering of Text Data. Lecture Notes in Computer Science, 2017, , 801-813.	1.3	11
25	Model-based von Mises-Fisher Co-clustering with a Conscience. , 2017, , 246-254.		11
26	Co-clustering under Nonnegative Matrix Tri-Factorization. Lecture Notes in Computer Science, 2011, , 709-717.	1.3	11
27	Adaptive Threshold for Anomaly Detection Using Time Series Segmentation. Lecture Notes in Computer Science, 2015, , 82-89.	1.3	10
28	Ensemble Block Co-clustering: A Unified Framework for Text Data. , 2020, , .		10
29	Multi-manifold matrix decomposition for data co-clustering. Pattern Recognition, 2017, 64, 386-398.	8.1	9
30	Block Clustering of Contingency Table and Mixture Model. Lecture Notes in Computer Science, 2005, , 249-259.	1.3	9
31	Unsupervised anomaly detection for Aircraft Condition Monitoring System. , 2015, , .		8
32	Bagging for Biclustering: Application to Microarray Data. Lecture Notes in Computer Science, 2010, , 490-505.	1.3	8
33	Tensor latent block model for co-clustering. International Journal of Data Science and Analytics, 2020, 10, 161-175.	4.1	7
34	Regularized bi-directional co-clustering. Statistics and Computing, 2021, 31, 1.	1.5	7
35	Diagonal latent block model for binary data. Statistics and Computing, 2017, 27, 1145-1163.	1.5	6
36	Co-clustering from Tensor Data. Lecture Notes in Computer Science, 2019, , 370-383.	1.3	6

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37	Implicit consensus clustering from multiple graphs. Data Mining and Knowledge Discovery, 2021, 35, 2313-2340.	3.7	6
38	Simultaneous Semi-NMF and PCA for Clustering. , 2015, , .		5
39	The Block Generative Topographic Mapping. Lecture Notes in Computer Science, 2008, , 13-23.	1.3	5
40	Gaussian Topographic Co-clustering Model. Lecture Notes in Computer Science, 2013, , 345-356.	1.3	5
41	Topographic Bernoulli block mixture mapping for binary tables. Pattern Analysis and Applications, 2014, 17, 839-847.	4.6	4
42	Power Simultaneous Spectral Data Embedding and Clustering. , 2016, , .		4
43	Regularized Dual-PPMI Co-clustering for Text Data. , 2021, , .		4
44	TensorClus: A python library for tensor (Co)-clustering. Neurocomputing, 2022, 468, 464-468.	5.9	4
45	Sparse Tensor Co-clustering as a Tool for Document Categorization. , 2019, , .		3
46	Efficient regularized spectral data embedding. Advances in Data Analysis and Classification, 2021, 15, 99-119.	1.4	3
47	Semi-supervised Latent Block Model with pairwise constraints. Machine Learning, 2022, 111, 1739-1764.	5.4	3
48	A topographical nonnegative matrix factorization algorithm. , 2013, , .		2
49	Data visualization via latent variables and mixture models: a brief survey. Pattern Analysis and Applications, 2016, 19, 807-819.	4.6	2
50	Unsupervised Evaluation of Text Co-clustering Algorithms Using Neural Word Embeddings. , 2018, , .		2
51	Diagonal Co-clustering Algorithm forÂDocument-Word Partitioning. Lecture Notes in Computer Science, 2015, , 170-180.	1.3	2
52	Improving NMF clustering by leveraging contextual relationships among words. Neurocomputing, 2022, 495, 105-117.	5.9	2
53	Power Attributed Graph Embedding and Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1439-1444.	11.3	2
54	Block Mixture Model for the Biclustering of Microarray Data. , 2011, , .		1

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55	A spectral algorithm for topographical Co-clustering. , 2012, , .		1
56	Fuzzy co-clustering with automated variable weighting. , 2015, , .		1
57	Visual exploration of topic variants through a hybrid biclustering approach. , 2016, , .		1
58	Stochastic Co-clustering for Document-Term Data. , 2016, , .		1
59	SemiNMF-PCA framework for Sparse Data Co-clustering. , 2016, , .		1
60	Generalized topographic block model. Neurocomputing, 2016, 173, 442-449.	5.9	1
61	Block Bernoulli Parsimonious Clustering Models. Studies in Classification, Data Analysis, and Knowledge Organization, 2007, , 203-212.	0.2	1
62	Tensor-based Graph Modularity for Text Data Clustering. , 2022, , .		1
63	Probabilistic Enhanced Mapping with the Generative Tabular Model. IEEE International Conference on Data Mining, 2006, , .	0.0	0
64	Multinomial Self Organizing Maps. , 2010, , .		0
65	Co-Clustering of Contingency Tables. , 2014, , 107-150.		0
66	Co-Clustering of Binary and Categorical Data. , 2014, , 79-105.		0
67	Co-Clustering of Continuous Data. , 2014, , 151-176.		0
68	Model-Based Co-Clustering. , 2014, , 55-77.		0
69	Multi-Manifold Matrix Tri-Factorization for Text Data Clustering. Lecture Notes in Computer Science, 2015, , 705-715.	1.3	0
70	Bi-stochastic Matrix Approximation Framework for Data Co-clustering. Lecture Notes in Computer Science, 2016, , 273-283.	1.3	0
71	Sparse Poisson Latent Block Model for Document Clustering (Extended Abstract). , 2018, , .		0
72	Controlling and Visualizing the Precision-Recall Tradeoff for External Performance Indices. Lecture Notes in Computer Science, 2019, , 687-702.	1.3	0

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73	Parameters Estimation of Block Mixture Models. , 2002, , 491-496.		0
74	Another Version of the Block EM Algorithm. , 2004, , 69-76.		0
75	Weighted Topological Clustering for Categorical Data. Lecture Notes in Computer Science, 2011, , 599-607.	1.3	0
76	Aggregation of Biclustering Solutions forÂEnsemble Approach. Lecture Notes in Computer Science, 2015, , 19-34.	1.3	0
77	Adult asthma phenotypes identified by a cluster analysis on clinical and biological characteristics. , 2018, , .		0
78	Association between occupational exposure to irritants and adult asthma profiles identified by clustering. , 2019, , .		0
79	Wasserstein Embeddings for Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2020, , 309-321.	1.3	0
80	Poisson degree corrected dynamic stochastic block model. Advances in Data Analysis and Classification, 0, , 1.	1.4	0
81	Model-based Poisson co-clustering for Attributed Networks. , 2021, , .		0