

Claudia Plant

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

1,137
citations

17
h-index

30
g-index

110
ext. papers

1,399
ext. citations

2.9
avg, IF

4.39
L-index

#	Paper	IF	Citations
88	Automated detection of brain atrophy patterns based on MRI for the prediction of Alzheimer's disease. <i>NeuroImage</i> , 2010 , 50, 162-74	7.9	230
87	Robust automated detection of microstructural white matter degeneration in Alzheimer's disease using machine learning classification of multicenter DTI data. <i>PLoS ONE</i> , 2013 , 8, e64925	3.7	77
86	Prediction of Alzheimer's disease using individual structural connectivity networks. <i>Neurobiology of Aging</i> , 2012 , 33, 2756-65	5.6	46
85	Transferring deep knowledge for object recognition in Low-quality underwater videos. <i>Neurocomputing</i> , 2018 , 275, 897-908	5.4	44
84	Density-based clustering using graphics processors 2009 ,		44
83	Synchronization-Inspired Partitioning and Hierarchical Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 893-905	4.2	42
82	Clustering by synchronization 2010 ,		42
81	Efficiently Processing Continuous k-NN Queries on Data Streams 2007 ,		35
80	Outlier-robust clustering using independent components 2008 ,		29
79	Feature selection methods for characterizing and classifying adaptive Sustainable Flood Retention Basins. <i>Water Research</i> , 2011 , 45, 993-1004	12.5	28
78	Robust information-theoretic clustering 2006 ,		27
77	Anytime density-based clustering of complex data. <i>Knowledge and Information Systems</i> , 2015 , 45, 319-354	5.4	21
76	Skinny-dip 2016 ,		21
75	Probabilistic skyline queries 2009 ,		21
74	Synchronization-based scalable subspace clustering of high-dimensional data. <i>Knowledge and Information Systems</i> , 2017 , 52, 83-111	2.4	19
73	Active Density-Based Clustering 2013 ,		19
72	HISSCLU 2008 ,		17

71	Synchronization-based clustering on evolving data stream. <i>Information Sciences</i> , 2019 , 501, 573-587	7.7	17
70	Multi-label classification models for sustainable flood retention basins. <i>Environmental Modelling and Software</i> , 2012 , 32, 27-36	5.2	16
69	Enhancing instance-based classification with local density: a new algorithm for classifying unbalanced biomedical data. <i>Bioinformatics</i> , 2006 , 22, 981-8	7.2	15
68	INCONCO 2011 ,		14
67	CoCo 2009 ,		13
66	Data Mining Using Graphics Processing Units. <i>Lecture Notes in Computer Science</i> , 2009 , 63-90	0.9	13
65	Combining DTI and MRI for the Automated Detection of Alzheimer's Disease Using a Large European Multicenter Dataset. <i>Lecture Notes in Computer Science</i> , 2012 , 18-28	0.9	13
64	Computer-aided diagnosis for diagnostically challenging breast lesions in DCE-MRI based on image registration and integration of morphologic and dynamic characteristics. <i>Eurasip Journal on Advances in Signal Processing</i> , 2013 , 2013,	1.9	12
63	Finding the Optimal Subspace for Clustering 2014 ,		12
62	A Similarity Model and Segmentation Algorithm for White Matter Fiber Tracts 2012 ,		12
61	RIC. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2007 , 1, 10	4	12
60	Attributed Graph Clustering with Unimodal Normalized Cut. <i>Lecture Notes in Computer Science</i> , 2017 , 601-616	0.9	11
59	Interaction-Based Clustering of Multivariate Time Series 2009 ,		10
58	Integrative Parameter-Free Clustering of Data with Mixed Type Attributes. <i>Lecture Notes in Computer Science</i> , 2010 , 38-47	0.9	10
57	Massively parallel expectation maximization using graphics processing units 2013 ,		9
56	FUSE 2016 ,		9
55	Discovering Non-Redundant K-means Clusterings in Optimal Subspaces 2018 ,		8
54	Towards an Optimal Subspace for K-Means 2017 ,		8

53	Summarization-based mining bipartite graphs 2012 ,		8
52	Detection of Arbitrarily Oriented Synchronized Clusters in High-Dimensional Data 2011 ,		8
51	Multi-core K-means 2017 , 273-281		7
50	Robust Synchronization-Based Graph Clustering. <i>Lecture Notes in Computer Science</i> , 2013 , 249-260	0.9	7
49	Synchronization Based Outlier Detection. <i>Lecture Notes in Computer Science</i> , 2010 , 245-260	0.9	7
48	Combining Time Series Similarity with Density-Based Clustering to Identify Fiber Bundles in the Human Brain 2010 ,		6
47	Cache-oblivious High-performance Similarity Join 2019 ,		5
46	Ternary Matrix Factorization 2014 ,		5
45	Hierarchical Density-Based Clustering of White Matter Tracts in the Human Brain. <i>International Journal of Knowledge Discovery in Bioinformatics</i> , 2010 , 1, 1-25		5
44	Parallel EM-Clustering: Fast Convergence by Asynchronous Model Updates 2010 ,		5
43	A novel similarity measure for fiber clustering using longest common subsequence 2011 ,		5
42	Generalized Independent Subspace Clustering 2016 ,		5
41	Clustering techniques for neuroimaging applications. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2016 , 6, 22-36	6.9	5
40	Compression-Based Graph Mining Exploiting Structure Primitives 2013 ,		4
39	Learning from Labeled and Unlabeled Vertices in Networks 2017 ,		4
38	Dependency clustering across measurement scales 2012 ,		4
37	Network Structure and Transfer Behaviors Embedding via Deep Prediction Model. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 5041-5048	5	4
36	Dataset-Transformation: improving clustering by enhancing the structure with DipScaling and DipTransformation. <i>Knowledge and Information Systems</i> , 2020 , 62, 457-484	2.4	4

35	Parameter Free Mixed-Type Density-Based Clustering. <i>Lecture Notes in Computer Science</i> , 2018 , 19-34	0.9	4
34	Relevant overlapping subspace clusters on categorical data 2014 ,		3
33	Weighted Graph Compression for Parameter-free Clustering With PaCCo 2011 ,		3
32	Feature Selection on High Throughput SELDI-TOF Mass-Spectrometry Data for Identifying Biomarker Candidates in Ovarian and Prostate Cancer 2006 ,		3
31	ITCH: Information-Theoretic Cluster Hierarchies. <i>Lecture Notes in Computer Science</i> , 2010 , 151-167	0.9	3
30	DeepECT: The Deep Embedded Cluster Tree. <i>Data Science and Engineering</i> , 2020 , 5, 419-432	3.6	3
29	Gaussian Component Based Index for GMMs 2016 ,		3
28	Similarity hashing for charged particle tracking 2019 ,		3
27	A Novel Hilbert Curve for Cache-Locality Preserving Loops. <i>IEEE Transactions on Big Data</i> , 2021 , 7, 241-254	3.4	3
26	Fast Approximate Hubness Reduction for Large High-Dimensional Data 2018 ,		3
25	Clustering of Mixed-Type Data Considering Concept Hierarchies. <i>Lecture Notes in Computer Science</i> , 2019 , 555-573	0.9	2
24	Incorporating User's Preference into Attributed Graph Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	2
23	Ternary Matrix Factorization: problem definitions and algorithms. <i>Knowledge and Information Systems</i> , 2016 , 46, 1-31	2.4	2
22	Intrinsic brain activity of cognitively normal older persons resembles more that of patients both with and at risk for Alzheimer's disease than that of healthy younger persons. <i>Brain Connectivity</i> , 2014 , 4, 323-36	2.7	2
21	Mining Interaction Patterns among Brain Regions by Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2237-2249	4.2	2
20	Let's See Your Digits 2017 ,		2
19	Semi-supervised segmentation of accelerometer time series for transport mode classification 2017 ,		2
18	Predicting Multiple Functions of Sustainable Flood Retention Basins under Uncertainty via Multi-Instance Multi-Label Learning. <i>Water (Switzerland)</i> , 2015 , 7, 1359-1377	3	2

17	Identification of SNP interactions using data-parallel primitives on GPUs 2014 ,		2
16	MeGS: Partitioning Meaningful Subgraph Structures Using Minimum Description Length 2016 ,		2
15	DipTransformation: Enhancing the Structure of a Dataset and Thereby Improving Clustering 2018 ,		2
14	Utilizing Structure-Rich Features to Improve Clustering. <i>Lecture Notes in Computer Science</i> , 2021 , 91-107	0.9	2
13	Joint Gaussian Based Measures for Multiple-Instance Learning 2017 ,		1
12	Clustering of mixed-type data considering concept hierarchies: problem specification and algorithm. <i>International Journal of Data Science and Analytics</i> , 2020 , 10, 233-248	2	1
11	Knowledge Discovery of Complex Data Using Gaussian Mixture Models. <i>Lecture Notes in Computer Science</i> , 2017 , 409-423	0.9	1
10	Dependency Anomaly Detection for Heterogeneous Time Series: A Granger-Lasso Approach 2017 ,		1
9	Non-Redundant Subspace Clusterings with Nr-Kmeans and Nr-DipMeans. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2020 , 14, 1-24	4	1
8	Cache-oblivious loops based on a novel space-filling curve 2016 ,		1
7	The Data Mining Group at University of Vienna. <i>Datenbank-Spektrum</i> , 2020 , 20, 71-79	0.6	
6	Measuring Non-Gaussianity by Phi-Transformed and Fuzzy Histograms. <i>Advances in Artificial Neural Systems</i> , 2012 , 2012, 1-13		
5	Information-Theoretic Model Selection for Independent Components. <i>Lecture Notes in Computer Science</i> , 2010 , 254-262	0.9	
4	Hierarchical Density-Based Clustering of White Matter Tracts in the Human Brain	329-353	
3	RandomLink [A]voiding Linkage-Effects by Employing Random Effects for Clustering. <i>Lecture Notes in Computer Science</i> , 2020 , 217-232	0.9	
2	Novel Indexing Strategy and Similarity Measures for Gaussian Mixture Models. <i>Lecture Notes in Computer Science</i> , 2017 , 158-171	0.9	
1	Indexing Multiple-Instance Objects. <i>Lecture Notes in Computer Science</i> , 2017 , 143-157	0.9	