

# Claudia Plant

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/131536/publications.pdf>

Version: 2024-02-01

109  
papers

1,610  
citations

623574

14  
h-index

477173

29  
g-index

110  
all docs

110  
docs citations

110  
times ranked

1872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated detection of brain atrophy patterns based on MRI for the prediction of Alzheimer's disease. NeuroImage, 2010, 50, 162-174.	2.1	287
2	Robust Automated Detection of Microstructural White Matter Degeneration in Alzheimer's Disease Using Machine Learning Classification of Multicenter DTI Data. PLoS ONE, 2013, 8, e64925.	1.1	89
3	Transferring deep knowledge for object recognition in Low-quality underwater videos. Neurocomputing, 2018, 275, 897-908.	3.5	69
4	Density-based clustering using graphics processors. , 2009, , .		65
5	Clustering by synchronization. , 2010, , .		56
6	Prediction of Alzheimer's disease using individual structural connectivity networks. Neurobiology of Aging, 2012, 33, 2756-2765.	1.5	56
7	Synchronization-Inspired Partitioning and Hierarchical Clustering. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 893-905.	4.0	50
8	Efficiently Processing Continuous k-NN Queries on Data Streams. , 2007, , .		41
9	Skinny-dip. , 2016, , .		38
10	Outlier-robust clustering using independent components. , 2008, , .		36
11	Feature selection methods for characterizing and classifying adaptive Sustainable Flood Retention Basins. Water Research, 2011, 45, 993-1004.	5.3	35
12	Robust information-theoretic clustering. , 2006, , .		32
13	Probabilistic skyline queries. , 2009, , .		29
14	Synchronization-based clustering on evolving data stream. Information Sciences, 2019, 501, 573-587.	4.0	27
15	Anytime density-based clustering of complex data. Knowledge and Information Systems, 2015, 45, 319-355.	2.1	26
16	HISCLU. , 2008, , .		24
17	Active Density-Based Clustering. , 2013, , .		23
18	INCONCO. , 2011, , .		22

#	ARTICLE	IF	CITATIONS
19	Multi-label classification models for sustainable flood retention basins. Environmental Modelling and Software, 2012, 32, 27-36.	1.9	22
20	Synchronization-based scalable subspace clustering of high-dimensional data. Knowledge and Information Systems, 2017, 52, 83-111.	2.1	22
21	Finding the Optimal Subspace for Clustering. , 2014, , .		20
22	Towards an Optimal Subspace for K-Means. , 2017, , .		19
23	CoCo. , 2009, , .		18
24	FUSE. , 2016, , .		18
25	Computer-aided diagnosis for diagnostically challenging breast lesions in DCE-MRI based on image registration and integration of morphologic and dynamic characteristics. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	17
26	Discovering Non-Redundant K-means Clusterings in Optimal Subspaces. , 2018, , .		17
27	Attributed Graph Clustering with Unimodal Normalized Cut. Lecture Notes in Computer Science, 2017, , 601-616.	1.0	17
28	Data Mining Using Graphics Processing Units. Lecture Notes in Computer Science, 2009, , 63-90.	1.0	16
29	Combining DTI and MRI for the Automated Detection of Alzheimer's Disease Using a Large European Multicenter Dataset. Lecture Notes in Computer Science, 2012, , 18-28.	1.0	16
30	Enhancing instance-based classification with local density: a new algorithm for classifying unbalanced biomedical data. Bioinformatics, 2006, 22, 981-988.	1.8	15
31	RIC. ACM Transactions on Knowledge Discovery From Data, 2007, 1, 10.	2.5	15
32	Interaction-Based Clustering of Multivariate Time Series. , 2009, , .		14
33	A Similarity Model and Segmentation Algorithm for White Matter Fiber Tracts. , 2012, , .		14
34	Summarization-based mining bipartite graphs. , 2012, , .		13
35	Massively parallel expectation maximization using graphics processing units. , 2013, , .		13
36	Multi-core K-means. , 2017, , 273-281.		13

#	ARTICLE	IF	CITATIONS
37	Integrative Parameter-Free Clustering of Data with Mixed Type Attributes. Lecture Notes in Computer Science, 2010, , 38-47.	1.0	11
38	Detection of Arbitrarily Oriented Synchronized Clusters in High-Dimensional Data. , 2011, , .		10
39	Generalized Independent Subspace Clustering. , 2016, , .		10
40	MeGS: Partitioning Meaningful Subgraph Structures Using Minimum Description Length. , 2016, , .		10
41	Cache-oblivious High-performance Similarity Join. , 2019, , .		10
42	Combining Time Series Similarity with Density-Based Clustering to Identify Fiber Bundles in the Human Brain. , 2010, , .		9
43	Fast Approximate Hubness Reduction for Large High-Dimensional Data. , 2018, , .		9
44	Spectral Clustering of Attributed Multi-relational Graphs. , 2021, , .		9
45	Non-Redundant Subspace Clusterings with Nr-Kmeans and Nr-DipMeans. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-24.	2.5	9
46	A novel similarity measure for fiber clustering using longest common subsequence. , 2011, , .		8
47	Compression-Based Graph Mining Exploiting Structure Primitives. , 2013, , .		8
48	Robust Synchronization-Based Graph Clustering. Lecture Notes in Computer Science, 2013, , 249-260.	1.0	8
49	Network Structure and Transfer Behaviors Embedding via Deep Prediction Model. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5041-5048.	3.6	8
50	Feature Selection on High Throughput SELDI-TOF Mass-Spectrometry Data for Identifying Biomarker Candidates in Ovarian and Prostate Cancer. , 2006, , .		7
51	Ternary Matrix Factorization. , 2014, , .		7
52	Relevant overlapping subspace clusters on categorical data. , 2014, , .		7
53	Density-Based Clustering for Adaptive Density Variation. , 2021, , .		7
54	Parallel EM-Clustering: Fast Convergence by Asynchronous Model Updates. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
55	Dependency clustering across measurement scales. , 2012, , .		6
56	Mining Interaction Patterns among Brain Regions by Clustering. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2237-2249.	4.0	6
57	Clustering techniques for neuroimaging applications. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2016, 6, 22-36.	4.6	6
58	Learning from Labeled and Unlabeled Vertices in Networks. , 2017, , .		6
59	Dataset-Transformation: improving clustering by enhancing the structure with DipScaling and DipTransformation. Knowledge and Information Systems, 2020, 62, 457-484.	2.1	6
60	Clustering of mixed-type data considering concept hierarchies: problem specification and algorithm. International Journal of Data Science and Analytics, 2020, 10, 233-248.	2.4	6
61	Hierarchical Density-Based Clustering of White Matter Tracts in the Human Brain. International Journal of Knowledge Discovery in Bioinformatics, 2010, 1, 1-25.	0.8	5
62	Weighted Graph Compression for Parameter-free Clustering With PaCCo. , 2011, , .		5
63	Cache-oblivious loops based on a novel space-filling curve. , 2016, , .		5
64	Parameter Free Mixed-Type Density-Based Clustering. Lecture Notes in Computer Science, 2018, , 19-34.	1.0	5
65	Similarity hashing for charged particle tracking. , 2019, , .		5
66	DeepECT: The Deep Embedded Cluster Tree. Data Science and Engineering, 2020, 5, 419-432.	4.6	5
67	A Novel Hilbert Curve for Cache-Locality Preserving Loops. IEEE Transactions on Big Data, 2021, 7, 241-254.	4.4	5
68	Dip-based Deep Embedded Clustering with k-Estimation. , 2021, , .		5
69	Utilizing Structure-Rich Features to Improve Clustering. Lecture Notes in Computer Science, 2021, , 91-107.	1.0	5
70	Ternary Matrix Factorization: problem definitions and algorithms. Knowledge and Information Systems, 2016, 46, 1-31.	2.1	4
71	Semi-supervised segmentation of accelerometer time series for transport mode classification. , 2017, , .		4
72	Clustering of Mixed-Type Data Considering Concept Hierarchies. Lecture Notes in Computer Science, 2019, , 555-573.	1.0	4

#	ARTICLE	IF	CITATIONS
73	Incorporating User's Preference into Attributed Graph Clustering. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3716-3728.	4.0	4
74	Data Compression as a Comprehensive Framework for Graph Drawing and Representation Learning. , 2020, , .		4
75	Identification of SNP interactions using data-parallel primitives on GPUs. , 2014, , .		3
76	Predicting Multiple Functions of Sustainable Flood Retention Basins under Uncertainty via Multi-Instance Multi-Label Learning. Water (Switzerland), 2015, 7, 1359-1377.	1.2	3
77	Gaussian Component Based Index for GMMs. , 2016, , .		3
78	Let's See Your Digits. , 2017, , .		3
79	DipTransformation: Enhancing the Structure of a Dataset and Thereby Improving Clustering. , 2018, , .		3
80	Deep Embedded Cluster Tree. , 2019, , .		3
81	Details (Don't) Matter: Isolating Cluster Information in Deep Embedded Spaces. , 2021, , .		3
82	ITCH: Information-Theoretic Cluster Hierarchies. Lecture Notes in Computer Science, 2010, , 151-167.	1.0	3
83	Metric Factorization for Exploratory Analysis of Complex Data. , 2014, , .		2
84	Advanced Computer Vision Approaches in Biomedical Image Analysis. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-2.	0.7	2
85	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. Brain Connectivity, 2014, 4, 323-336.	0.8	2
86	Mining Massive Vector Data on Single Instruction Multiple Data Microarchitectures. , 2015, , .		2
87	Dependency Anomaly Detection for Heterogeneous Time Series: A Granger-Lasso Approach. , 2017, , .		2
88	Heterogeneous Graphical Granger Causality by Minimum Message Length. Entropy, 2020, 22, 1400.	1.1	2
89	Massively Parallel Graph Drawing and Representation Learning. , 2020, , .		2
90	Information-Theoretic Model Selection for Independent Components. Lecture Notes in Computer Science, 2010, , 254-262.	1.0	1

#	ARTICLE	IF	CITATIONS
91	Automatically Spotting Information-Rich Nodes in Graphs. , 2011, , .		1
92	Clustering with the Levy Walk: "Hunting" for Clusters. , 2016, , .		1
93	Joint Gaussian Based Measures for Multiple-Instance Learning. , 2017, , .		1
94	Knowledge Discovery of Complex Data Using Gaussian Mixture Models. Lecture Notes in Computer Science, 2017, , 409-423.	1.0	1
95	Hierarchical Quick Shift Guided Recurrent Clustering. , 2020, , .		1
96	Improved Data Locality Using Morton-order Curve on the Example of LU Decomposition. , 2020, , .		1
97	Measuring Non-Gaussianity by Phi-Transformed and Fuzzy Histograms. Advances in Artificial Neural Systems, 2012, 2012, 1-13.	1.0	0
98	Subspace Clustering Ensembles through Tensor Decomposition. , 2016, , .		0
99	Factorizing Complex Discrete Data "with Finesse", 2016, , .		0
100	Cover Image, Volume 6, Issue 1. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2016, 6, i-i.	4.6	0
101	Automatic Detection of Warped Patterns in Time Series: The Caterpillar Algorithm. , 2018, , .		0
102	Planting Synchronisation Trees for Discovering Interaction Patterns Among Brain Regions. , 2019, , .		0
103	The Data Mining Group at University of Vienna. Datenbank-Spektrum, 2020, 20, 71-79.	1.2	0
104	SONAR: Signal De-mixing for Robust Correlation Clustering. , 2011, , .		0
105	Novel Indexing Strategy and Similarity Measures for Gaussian Mixture Models. Lecture Notes in Computer Science, 2017, , 158-171.	1.0	0
106	Indexing Multiple-Instance Objects. Lecture Notes in Computer Science, 2017, , 143-157.	1.0	0
107	Massively Parallel Random Number Generation. , 2020, , .		0
108	RandomLink "Avoiding Linkage-Effects by Employing Random Effects for Clustering. Lecture Notes in Computer Science, 2020, , 217-232.	1.0	0

#	ARTICLE	IF	CITATIONS
109	Hierarchical Density-Based Clustering of White Matter Tracts in the Human Brain. , 0 , 329-353.		0