# Claudia Plant

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | A Novel Hilbert Curve for Cache-Locality Preserving Loops. *IEEE Transactions on Big Data*, **2021**, 7, 241-254 | 3.2 | 3 |
| 87 | Utilizing Structure-Rich Features to Improve Clustering. *Lecture Notes in Computer Science*, **2021**, 91-107 | 0.9 | 2 |
| 86 | Incorporating User's Preference into Attributed Graph Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1 | 4.2 | 2 |
| 85 | The Data Mining Group at University of Vienna. *Datenbank-Spektrum*, **2020**, 20, 71-79 | 0.6 | |
| 84 | Clustering of mixed-type data considering concept hierarchies: problem specification and algorithm. *International Journal of Data Science and Analytics*, **2020**, 10, 233-248 | 2 | 1 |
| 83 | Non-Redundant Subspace Clusterings with Nr-Kmeans and Nr-DipMeans. *ACM Transactions on Knowledge Discovery From Data*, **2020**, 14, 1-24 | 4 | 1 |
| 82 | RandomLink Avoiding Linkage-Effects by Employing Random Effects for Clustering. *Lecture Notes in Computer Science*, **2020**, 217-232 | 0.9 | |
| 81 | DeepECT: The Deep Embedded Cluster Tree. *Data Science and Engineering*, **2020**, 5, 419-432 | 3.6 | 3 |
| 80 | Dataset-Transformation: improving clustering by enhancing the structure with DipScaling and DipTransformation. *Knowledge and Information Systems*, **2020**, 62, 457-484 | 2.4 | 4 |
| 79 | Clustering of Mixed-Type Data Considering Concept Hierarchies. *Lecture Notes in Computer Science*, **2019**, 555-573 | 0.9 | 2 |
| 78 | Cache-oblivious High-performance Similarity Join **2019**, | | 5 |
| 77 | Similarity hashing for charged particle tracking **2019**, | | 3 |
| 76 | Network Structure and Transfer Behaviors Embedding via Deep Prediction Model. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 5041-5048 | 5 | 4 |
| 75 | Synchronization-based clustering on evolving data stream. *Information Sciences*, **2019**, 501, 573-587 | 7.7 | 17 |
| 74 | Transferring deep knowledge for object recognition in Low-quality underwater videos. *Neurocomputing*, **2018**, 275, 897-908 | 5.4 | 44 |
| 73 | Discovering Non-Redundant K-means Clusterings in Optimal Subspaces **2018**, | | 8 |
| 72 | Fast Approximate Hubness Reduction for Large High-Dimensional Data **2018**, | | 3 |

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| 71 | DipTransformation: Enhancing the Structure of a Dataset and Thereby Improving Clustering **2018**, | | 2 |
| 70 | Parameter Free Mixed-Type Density-Based Clustering. *Lecture Notes in Computer Science*, **2018**, 19-34 | 0.9 | 4 |
| 69 | Synchronization-based scalable subspace clustering of high-dimensional data. *Knowledge and Information Systems*, **2017**, 52, 83-111 | 2.4 | 19 |
| 68 | Joint Gaussian Based Measures for Multiple-Instance Learning **2017**, | | 1 |
| 67 | Multi-core K-means **2017**, 273-281 | | 7 |
| 66 | Learning from Labeled and Unlabeled Vertices in Networks **2017**, | | 4 |
| 65 | Knowledge Discovery of Complex Data Using Gaussian Mixture Models. *Lecture Notes in Computer Science*, **2017**, 409-423 | 0.9 | 1 |
| 64 | Towards an Optimal Subspace for K-Means **2017**, | | 8 |
| 63 | Let's See Your Digits **2017**, | | 2 |
| 62 | Semi-supervised segmentation of accelerometer time series for transport mode classification **2017**, | | 2 |
| 61 | Dependency Anomaly Detection for Heterogeneous Time Series: A Granger-Lasso Approach **2017**, | | 1 |
| 60 | Attributed Graph Clustering with Unimodal Normalized Cut. *Lecture Notes in Computer Science*, **2017**, 601-616 | 0.9 | 11 |
| 59 | Novel Indexing Strategy and Similarity Measures for Gaussian Mixture Models. *Lecture Notes in Computer Science*, **2017**, 158-171 | 0.9 | |
| 58 | Indexing Multiple-Instance Objects. *Lecture Notes in Computer Science*, **2017**, 143-157 | 0.9 | |
| 57 | Skinny-dip **2016**, | | 21 |
| 56 | Ternary Matrix Factorization: problem definitions and algorithms. *Knowledge and Information Systems*, **2016**, 46, 1-31 | 2.4 | 2 |
| 55 | Cache-oblivious loops based on a novel space-filling curve **2016**, | | 1 |
| 54 | Generalized Independent Subspace Clustering **2016**, | | 5 |

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| 53 | MeGS: Partitioning Meaningful Subgraph Structures Using Minimum Description Length **2016**, | | 2 |
| 52 | Gaussian Component Based Index for GMMs **2016**, | | 3 |
| 51 | FUSE **2016**, | | 9 |
| 50 | Clustering techniques for neuroimaging applications. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2016**, 6, 22-36 | 6.9 | 5 |
| 49 | Anytime density-based clustering of complex data. *Knowledge and Information Systems*, **2015**, 45, 319-355 | 2.4 | 21 |
| 48 | Predicting Multiple Functions of Sustainable Flood Retention Basins under Uncertainty via Multi-Instance Multi-Label Learning. *Water (Switzerland)*, **2015**, 7, 1359-1377 | 3 | 2 |
| 47 | Relevant overlapping subspace clusters on categorical data **2014**, | | 3 |
| 46 | 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, 323-36 | 2.7 | 2 |
| 45 | Mining Interaction Patterns among Brain Regions by Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2014**, 26, 2237-2249 | 4.2 | 2 |
| 44 | Finding the Optimal Subspace for Clustering **2014**, | | 12 |
| 43 | Ternary Matrix Factorization **2014**, | | 5 |
| 42 | Identification of SNP interactions using data-parallel primitives on GPUs **2014**, | | 2 |
| 41 | Massively parallel expectation maximization using graphics processing units **2013**, | | 9 |
| 40 | Compression-Based Graph Mining Exploiting Structure Primitives **2013**, | | 4 |
| 39 | Active Density-Based Clustering **2013**, | | 19 |
| 38 | 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, | 1.9 | 12 |
| 37 | Synchronization-Inspired Partitioning and Hierarchical Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2013**, 25, 893-905 | 4.2 | 42 |
| 36 | Robust Synchronization-Based Graph Clustering. *Lecture Notes in Computer Science*, **2013**, 249-260 | 0.9 | 7 |

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| 35 | 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 | 3.7 | 77 |
| 34 | Multi-label classification models for sustainable flood retention basins. *Environmental Modelling and Software*, **2012**, 32, 27-36 | 5.2 | 16 |
| 33 | Summarization-based mining bipartite graphs **2012**, | | 8 |
| 32 | A Similarity Model and Segmentation Algorithm for White Matter Fiber Tracts **2012**, | | 12 |
| 31 | Prediction of Alzheimer's disease using individual structural connectivity networks. *Neurobiology of Aging*, **2012**, 33, 2756-65 | 5.6 | 46 |
| 30 | Measuring Non-Gaussianity by Phi-Transformed and Fuzzy Histograms. *Advances in Artificial Neural Systems*, **2012**, 2012, 1-13 | | |
| 29 | Dependency clustering across measurement scales **2012**, | | 4 |
| 28 | 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 | 0.9 | 13 |
| 27 | Feature selection methods for characterizing and classifying adaptive Sustainable Flood Retention Basins. *Water Research*, **2011**, 45, 993-1004 | 12.5 | 28 |
| 26 | Weighted Graph Compression for Parameter-free Clustering With PaCCo **2011**, | | 3 |
| 25 | Detection of Arbitrarily Oriented Synchronized Clusters in High-Dimensional Data **2011**, | | 8 |
| 24 | A novel similarity measure for fiber clustering using longest common subsequence **2011**, | | 5 |
| 23 | INCONCO **2011**, | | 14 |
| 22 | Hierarchical Density-Based Clustering of White Matter Tracts in the Human Brain. *International Journal of Knowledge Discovery in Bioinformatics*, **2010**, 1, 1-25 | | 5 |
| 21 | Combining Time Series Similarity with Density-Based Clustering to Identify Fiber Bundles in the Human Brain **2010**, | | 6 |
| 20 | Parallel EM-Clustering: Fast Convergence by Asynchronous Model Updates **2010**, | | 5 |
| 19 | Clustering by synchronization **2010**, | | 42 |
| 18 | Automated detection of brain atrophy patterns based on MRI for the prediction of Alzheimer's disease. *NeuroImage*, **2010**, 50, 162-74 | 7.9 | 230 |

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| 17 | Synchronization Based Outlier Detection. *Lecture Notes in Computer Science*, **2010**, 245-260 | 0.9 | 7 |
| 16 | Information-Theoretic Model Selection for Independent Components. *Lecture Notes in Computer Science*, **2010**, 254-262 | 0.9 | |
| 15 | Integrative Parameter-Free Clustering of Data with Mixed Type Attributes. *Lecture Notes in Computer Science*, **2010**, 38-47 | 0.9 | 10 |
| 14 | ITCH: Information-Theoretic Cluster Hierarchies. *Lecture Notes in Computer Science*, **2010**, 151-167 | 0.9 | 3 |
| 13 | Probabilistic skyline queries **2009**, | | 21 |
| 12 | Density-based clustering using graphics processors **2009**, | | 44 |
| 11 | CoCo **2009**, | | 13 |
| 10 | Interaction-Based Clustering of Multivariate Time Series **2009**, | | 10 |
| 9 | Data Mining Using Graphics Processing Units. *Lecture Notes in Computer Science*, **2009**, 63-90 | 0.9 | 13 |
| 8 | Outlier-robust clustering using independent components **2008**, | | 29 |
| 7 | HISSCLU **2008**, | | 17 |
| 6 | RIC. *ACM Transactions on Knowledge Discovery From Data*, **2007**, 1, 10 | 4 | 12 |
| 5 | Efficiently Processing Continuous k-NN Queries on Data Streams **2007**, | | 35 |
| 4 | Robust information-theoretic clustering **2006**, | | 27 |
| 3 | Enhancing instance-based classification with local density: a new algorithm for classifying unbalanced biomedical data. *Bioinformatics*, **2006**, 22, 981-8 | 7.2 | 15 |
| 2 | Feature Selection on High Throughput SELDI-TOF Mass-Spectrometry Data for Identifying Biomarker Candidates in Ovarian and Prostate Cancer **2006**, | | 3 |
| 1 | Hierarchical Density-Based Clustering of White Matter Tracts in the Human Brain329-353 | | |