

Frank-Michael Schleif

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.

97
papers

735
citations

15
h-index

22
g-index

109
ext. papers

837
ext. citations

2.8
avg, IF

4.42
L-index

#	Paper	IF	Citations
97	Limited Rank Matrix Learning, discriminative dimension reduction and visualization. <i>Neural Networks</i> , 2012 , 26, 159-73	9.1	64
96	Learning vector quantization for (dis-)similarities. <i>Neurocomputing</i> , 2014 , 131, 43-51	5.4	45
95	Divergence-based classification in learning vector quantization. <i>Neurocomputing</i> , 2011 , 74, 1429-1435	5.4	43
94	Indefinite Proximity Learning: A Review. <i>Neural Computation</i> , 2015 , 27, 2039-96	2.9	41
93	Classification of mass-spectrometric data in clinical proteomics using learning vector quantization methods. <i>Briefings in Bioinformatics</i> , 2008 , 9, 129-43	13.4	33
92	Efficient Kernelized prototype based classification. <i>International Journal of Neural Systems</i> , 2011 , 21, 443-57	6.2	28
91	Fuzzy classification by fuzzy labeled neural gas. <i>Neural Networks</i> , 2006 , 19, 772-9	9.1	27
90	Metric and non-metric proximity transformations at linear costs. <i>Neurocomputing</i> , 2015 , 167, 643-657	5.4	23
89	Reactive Soft Prototype Computing for Concept Drift Streams. <i>Neurocomputing</i> , 2020 , 416, 340-351	5.4	21
88	Odor recognition in robotics applications by discriminative time-series modeling. <i>Pattern Analysis and Applications</i> , 2016 , 19, 207-220	2.3	19
87	Margin-based active learning for LVQ networks. <i>Neurocomputing</i> , 2007 , 70, 1215-1224	5.4	19
86	Comparison of relevance learning vector quantization with other metric adaptive classification methods. <i>Neural Networks</i> , 2006 , 19, 610-22	9.1	18
85	Indefinite Core Vector Machine. <i>Pattern Recognition</i> , 2017 , 71, 187-195	7.7	15
84	Linear time relational prototype based learning. <i>International Journal of Neural Systems</i> , 2012 , 22, 12500-1	6.1	15
83	Prototype based fuzzy classification in clinical proteomics. <i>International Journal of Approximate Reasoning</i> , 2008 , 47, 4-16	3.6	15
82	Metric learning for sequences in relational LVQ. <i>Neurocomputing</i> , 2015 , 169, 306-322	5.4	14
81	Cancer informatics by prototype networks in mass spectrometry. <i>Artificial Intelligence in Medicine</i> , 2009 , 45, 215-28	7.4	13

80	Stationarity of Matrix Relevance LVQ 2015 ,			12
79	Support vector classification of proteomic profile spectra based on feature extraction with the bi-orthogonal discrete wavelet transform. <i>Computing and Visualization in Science</i> , 2009 , 12, 189-199	1		12
78	Approximation techniques for clustering dissimilarity data. <i>Neurocomputing</i> , 2012 , 90, 72-84	5.4		11
77	Adaptive conformal semi-supervised vector quantization for dissimilarity data. <i>Pattern Recognition Letters</i> , 2014 , 49, 138-145	4.7		10
76	Learning interpretable kernelized prototype-based models. <i>Neurocomputing</i> , 2014 , 141, 84-96	5.4		10
75	Large margin linear discriminative visualization by Matrix Relevance Learning 2012 ,			10
74	Data Analysis of (Non-)Metric Proximities at Linear Costs. <i>Lecture Notes in Computer Science</i> , 2013 , 59-74	0.9		10
73	Genetic algorithm for shift-uncertainty correction in 1-D NMR-based metabolite identifications and quantifications. <i>Bioinformatics</i> , 2011 , 27, 524-33	7.2		9
72	Supervised Batch Neural Gas. <i>Lecture Notes in Computer Science</i> , 2006 , 33-45	0.9		9
71	Functional vector quantization by neural maps 2009 ,			8
70	Statistical Classification and Visualization of MALDI-Imaging Data. <i>Proceedings of the IEEE Symposium on Computer-Based Medical Systems</i> , 2007 ,			8
69	Generalized Derivative Based Kernelized Learning Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2010 , 21-28	0.9		7
68	Prototype-Based Classification of Dissimilarity Data. <i>Lecture Notes in Computer Science</i> , 2011 , 185-197	0.9		7
67	Relational Extensions of Learning Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2011 , 481-489	0.9		7
66	Fuzzy Labeled Self-Organizing Map with Label-Adjusted Prototypes. <i>Lecture Notes in Computer Science</i> , 2006 , 46-56	0.9		7
65	Evolving trees for the retrieval of mass spectrometry-based bacteria fingerprints. <i>Knowledge and Information Systems</i> , 2010 , 25, 327-343	2.4		6
64	Fuzzy classification using information theoretic learning vector quantization. <i>Neurocomputing</i> , 2008 , 71, 3070-3076	5.4		6
63	Transfer learning extensions for the probabilistic classification vector machine. <i>Neurocomputing</i> , 2020 , 397, 320-330	5.4		6

62	Supervised low rank indefinite kernel approximation using minimum enclosing balls. <i>Neurocomputing</i> , 2018 , 318, 213-226	5.4	6
61	Incremental probabilistic classification vector machine with linear costs 2015 ,		5
60	Generic probabilistic prototype based classification of vectorial and proximity data. <i>Neurocomputing</i> , 2015 , 154, 208-216	5.4	5
59	Prototype-based fuzzy classification with local relevance for proteomics. <i>Neurocomputing</i> , 2006 , 69, 2425-2428	5.4	5
58	Topographic Mapping of Dissimilarity Data. <i>Lecture Notes in Computer Science</i> , 2011 , 1-15	0.9	5
57	Passive concept drift handling via variations of learning vector quantization. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	5
56	Advances in artificial neural networks, machine learning and computational intelligence. <i>Neurocomputing</i> , 2019 , 342, 1-5	5.4	4
55	Correlation-based embedding of pairwise score data. <i>Neurocomputing</i> , 2014 , 141, 97-109	5.4	4
54	Supervised data analysis and reliability estimation with exemplary application for spectral data. <i>Neurocomputing</i> , 2009 , 72, 3590-3601	5.4	4
53	Passive Concept Drift Handling via Momentum Based Robust Soft Learning Vector Quantization. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 200-209	0.4	4
52	White Box Classification of Dissimilarity Data. <i>Lecture Notes in Computer Science</i> , 2012 , 309-321	0.9	4
51	Globular cluster detection in the GAIA survey. <i>Neurocomputing</i> , 2019 , 342, 164-171	5.4	3
50	Low-Rank Kernel Space Representations in Prototype Learning. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 341-353	0.4	3
49	Accelerating kernel clustering for biomedical data analysis 2011 ,		3
48	Analysis and Visualization of Proteomic Data by Fuzzy Labeled Self-Organizing Maps 2006 ,		3
47	Intuitive Clustering of Biological Data. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		3
46	Reactive Concept Drift Detection Using Coresets Over Sliding Windows 2020 ,		3
45	Structure Preserving Encoding of Non-euclidean Similarity Data 2020 ,		3

44	Supervised Neural Gas for Classification of Functional Data and Its Application to the Analysis of Clinical Proteom Spectra 2007 , 1036-1044		3
43	Neural Gas Clustering for Dissimilarity Data with Continuous Prototypes 2007 , 539-546		3
42	Comparison of Cluster Algorithms for the Analysis of Text Data Using Kolmogorov Complexity. <i>Lecture Notes in Computer Science</i> , 2009 , 61-69	0.9	3
41	Learning Relevant Time Points for Time-Series Data in the Life Sciences. <i>Lecture Notes in Computer Science</i> , 2012 , 531-539	0.9	3
40	A Conformal Classifier for Dissimilarity Data. <i>International Federation for Information Processing</i> , 2012 , 234-243		3
39	Sparsification of core set models in non-metric supervised learning. <i>Pattern Recognition Letters</i> , 2020 , 129, 1-7	4.7	3
38	Data-Driven Supervised Learning for Life Science Data. <i>Frontiers in Applied Mathematics and Statistics</i> , 2020 , 6,	2.2	3
37	Device-Free Passive Human Counting with Bluetooth Low Energy Beacons. <i>Lecture Notes in Computer Science</i> , 2019 , 799-810	0.9	2
36	MACHINE LEARNING AND SOFT-COMPUTING IN BIOINFORMATICS - A SHORT JOURNEY 2006 ,		2
35	Hierarchical Deconvolution of Linear Mixtures of High-Dimensional Mass Spectra in Microbiology 2011 ,		2
34	Low-Rank Subspace Override for Unsupervised Domain Adaptation. <i>Lecture Notes in Computer Science</i> , 2020 , 132-147	0.9	2
33	Probabilistic Prototype Classification Using t-norms. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 99-108	0.4	2
32	Unleashing Pearson Correlation for Faithful Analysis of Biomedical Data. <i>Lecture Notes in Computer Science</i> , 2009 , 70-91	0.9	2
31	Local Metric Adaptation for Soft Nearest Prototype Classification to Classify Proteomic Data. <i>Lecture Notes in Computer Science</i> , 2006 , 290-296	0.9	2
30	Sparse conformal prediction for dissimilarity data. <i>Annals of Mathematics and Artificial Intelligence</i> , 2015 , 74, 95-116	0.8	1
29	Finding Small Sets of Random Fourier Features for Shift-Invariant Kernel Approximation. <i>Lecture Notes in Computer Science</i> , 2016 , 42-54	0.9	1
28	High Dimensional Matrix Relevance Learning 2014 ,		1
27	Fuzzy Labeled Soft Nearest Neighbor Classification with Relevance Learning		1

26	Learning Vector Quantization Classification with Local Relevance Determination for Medical Data. <i>Lecture Notes in Computer Science</i> , 2006 , 603-612	0.9	1
25	Analysis of Spectral Data in Clinical Proteomics by Use of Learning Vector Quantizers. <i>Studies in Computational Intelligence</i> , 2008 , 141-167	0.8	1
24	Sparse Transfer Classification for Text Documents. <i>Lecture Notes in Computer Science</i> , 2018 , 169-181	0.9	1
23	Large Scale Indefinite Kernel Fisher Discriminant. <i>Lecture Notes in Computer Science</i> , 2015 , 160-170	0.9	1
22	Matrix Metric Adaptation Linear Discriminant Analysis of Biomedical Data. <i>Lecture Notes in Computer Science</i> , 2009 , 933-940	0.9	1
21	Divergence Based Online Learning in Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2010 , 479-486	0.9	1
20	Sparse Prototype Representation by Core Sets. <i>Lecture Notes in Computer Science</i> , 2013 , 302-309	0.9	1
19	The Mathematics of Divergence Based Online Learning in Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2010 , 108-119	0.9	1
18	Analyzing Dynamic Social Media Data via Random Projection - A New Challenge for Stream Classifiers 2020 ,		1
17	Classification in Non-stationary Environments Using Coresets over Sliding Windows. <i>Lecture Notes in Computer Science</i> , 2021 , 126-137	0.9	1
16	Encoding of Indefinite Proximity Data: A Structure Preserving Perspective. <i>Lecture Notes in Computer Science</i> , 2020 , 112-137	0.9	0
15	Random Projection in the Presence of Concept Drift in Supervised Environments. <i>Lecture Notes in Computer Science</i> , 2020 , 514-524	0.9	0
14	Indefinite Support Vector Regression. <i>Lecture Notes in Computer Science</i> , 2017 , 313-321	0.9	0
13	Hierarchical PCA Using Tree-SOM for the Identification of Bacteria. <i>Lecture Notes in Computer Science</i> , 2009 , 272-280	0.9	0
12	Bridging Adversarial and Statistical Domain Transfer via Spectral Adaptation Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 457-473	0.9	0
11	Dimensionality reduction in the context of dynamic social media data streams. <i>Evolving Systems</i> , 1	2.1	0
10	Analysis of Proteomic Spectral Data by Multi Resolution Analysis and Self-Organizing Maps. <i>Lecture Notes in Computer Science</i> , 2007 , 563-570	0.9	
9	Sparsification of Indefinite Learning Models. <i>Lecture Notes in Computer Science</i> , 2018 , 173-183	0.9	

- 8 Protein Sequence Analysis by Proximities. *Methods in Molecular Biology*, **2016**, 1362, 185-95 1.4
- 7 Accelerating Kernel Neural Gas. *Lecture Notes in Computer Science*, **2011**, 150-158 0.9
- 6 Linear Time Heuristics for Topographic Mapping of Dissimilarity Data. *Lecture Notes in Computer Science*, **2011**, 25-33 0.9
- 5 Patch Processing for Relational Learning Vector Quantization. *Lecture Notes in Computer Science*, **2012**, 55-63 0.9
- 4 Soft Competitive Learning for Large Data Sets. *Advances in Intelligent Systems and Computing*, **2013**, 141-151 0.9
- 3 Secure Semi-supervised Vector Quantization for Dissimilarity Data. *Lecture Notes in Computer Science*, **2013**, 347-356 0.9
- 2 Discriminative Fast Soft Competitive Learning. *Lecture Notes in Computer Science*, **2014**, 81-88 0.9
- 1 Complex-Valued Embeddings of Generic Proximity Data. *Lecture Notes in Computer Science*, **2021**, 14-23 0.9