

Frank-Michael Schleif

List of Publications by Year in Descending Order

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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	Bridging Adversarial and Statistical Domain Transfer via Spectral Adaptation Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 457-473	0.9	0
96	Complex-Valued Embeddings of Generic Proximity Data. <i>Lecture Notes in Computer Science</i> , 2021 , 14-23	0.9	0
95	Classification in Non-stationary Environments Using Coresets over Sliding Windows. <i>Lecture Notes in Computer Science</i> , 2021 , 126-137	0.9	1
94	Reactive Concept Drift Detection Using Coresets Over Sliding Windows 2020 ,		3
93	Encoding of Indefinite Proximity Data: A Structure Preserving Perspective. <i>Lecture Notes in Computer Science</i> , 2020 , 112-137	0.9	0
92	Random Projection in the Presence of Concept Drift in Supervised Environments. <i>Lecture Notes in Computer Science</i> , 2020 , 514-524	0.9	0
91	Structure Preserving Encoding of Non-euclidean Similarity Data 2020 ,		3
90	Low-Rank Subspace Override for Unsupervised Domain Adaptation. <i>Lecture Notes in Computer Science</i> , 2020 , 132-147	0.9	2
89	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
88	Sparsification of core set models in non-metric supervised learning. <i>Pattern Recognition Letters</i> , 2020 , 129, 1-7	4.7	3
87	Transfer learning extensions for the probabilistic classification vector machine. <i>Neurocomputing</i> , 2020 , 397, 320-330	5.4	6
86	Data-Driven Supervised Learning for Life Science Data. <i>Frontiers in Applied Mathematics and Statistics</i> , 2020 , 6,	2.2	3
85	Analyzing Dynamic Social Media Data via Random Projection - A New Challenge for Stream Classifiers 2020 ,		1
84	Passive concept drift handling via variations of learning vector quantization. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	5
83	Reactive Soft Prototype Computing for Concept Drift Streams. <i>Neurocomputing</i> , 2020 , 416, 340-351	5.4	21
82	Device-Free Passive Human Counting with Bluetooth Low Energy Beacons. <i>Lecture Notes in Computer Science</i> , 2019 , 799-810	0.9	2
81	Globular cluster detection in the GAIA survey. <i>Neurocomputing</i> , 2019 , 342, 164-171	5.4	3

80	Advances in artificial neural networks, machine learning and computational intelligence. <i>Neurocomputing</i> , 2019 , 342, 1-5	5.4	4
79	Sparse Transfer Classification for Text Documents. <i>Lecture Notes in Computer Science</i> , 2018 , 169-181	0.9	1
78	Sparsification of Indefinite Learning Models. <i>Lecture Notes in Computer Science</i> , 2018 , 173-183	0.9	
77	Supervised low rank indefinite kernel approximation using minimum enclosing balls. <i>Neurocomputing</i> , 2018 , 318, 213-226	5.4	6
76	Indefinite Core Vector Machine. <i>Pattern Recognition</i> , 2017 , 71, 187-195	7.7	15
75	Indefinite Support Vector Regression. <i>Lecture Notes in Computer Science</i> , 2017 , 313-321	0.9	0
74	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
73	Odor recognition in robotics applications by discriminative time-series modeling. <i>Pattern Analysis and Applications</i> , 2016 , 19, 207-220	2.3	19
72	Low-Rank Kernel Space Representations in Prototype Learning. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 341-353	0.4	3
71	Protein Sequence Analysis by Proximities. <i>Methods in Molecular Biology</i> , 2016 , 1362, 185-95	1.4	
70	Metric learning for sequences in relational LVQ. <i>Neurocomputing</i> , 2015 , 169, 306-322	5.4	14
69	Indefinite Proximity Learning: A Review. <i>Neural Computation</i> , 2015 , 27, 2039-96	2.9	41
68	Sparse conformal prediction for dissimilarity data. <i>Annals of Mathematics and Artificial Intelligence</i> , 2015 , 74, 95-116	0.8	1
67	Incremental probabilistic classification vector machine with linear costs 2015 ,		5
66	Metric and non-metric proximity transformations at linear costs. <i>Neurocomputing</i> , 2015 , 167, 643-657	5.4	23
65	Stationarity of Matrix Relevance LVQ 2015 ,		12
64	Generic probabilistic prototype based classification of vectorial and proximity data. <i>Neurocomputing</i> , 2015 , 154, 208-216	5.4	5
63	Large Scale Indefinite Kernel Fisher Discriminant. <i>Lecture Notes in Computer Science</i> , 2015 , 160-170	0.9	1

62	Learning vector quantization for (dis-)similarities. <i>Neurocomputing</i> , 2014 , 131, 43-51	5.4	45
61	Adaptive conformal semi-supervised vector quantization for dissimilarity data. <i>Pattern Recognition Letters</i> , 2014 , 49, 138-145	4.7	10
60	Correlation-based embedding of pairwise score data. <i>Neurocomputing</i> , 2014 , 141, 97-109	5.4	4
59	High Dimensional Matrix Relevance Learning 2014 ,		1
58	Learning interpretable kernelized prototype-based models. <i>Neurocomputing</i> , 2014 , 141, 84-96	5.4	10
57	Probabilistic Prototype Classification Using t-norms. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 99-108	0.4	2
56	Discriminative Fast Soft Competitive Learning. <i>Lecture Notes in Computer Science</i> , 2014 , 81-88	0.9	
55	Data Analysis of (Non-)Metric Proximities at Linear Costs. <i>Lecture Notes in Computer Science</i> , 2013 , 59-74	0.9	10
54	Sparse Prototype Representation by Core Sets. <i>Lecture Notes in Computer Science</i> , 2013 , 302-309	0.9	1
53	Soft Competitive Learning for Large Data Sets. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 141-151	0.9	1
52	Secure Semi-supervised Vector Quantization for Dissimilarity Data. <i>Lecture Notes in Computer Science</i> , 2013 , 347-356	0.9	
51	Approximation techniques for clustering dissimilarity data. <i>Neurocomputing</i> , 2012 , 90, 72-84	5.4	11
50	Limited Rank Matrix Learning, discriminative dimension reduction and visualization. <i>Neural Networks</i> , 2012 , 26, 159-73	9.1	64
49	Large margin linear discriminative visualization by Matrix Relevance Learning 2012 ,		10
48	Linear time relational prototype based learning. <i>International Journal of Neural Systems</i> , 2012 , 22, 12500-1	0.1	15
47	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
46	A Conformal Classifier for Dissimilarity Data. <i>International Federation for Information Processing</i> , 2012 , 234-243		3
45	Patch Processing for Relational Learning Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2012 , 55-63	0.9	

44	White Box Classification of Dissimilarity Data. <i>Lecture Notes in Computer Science</i> , 2012 , 309-321	0.9	4
43	Divergence-based classification in learning vector quantization. <i>Neurocomputing</i> , 2011 , 74, 1429-1435	5.4	43
42	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
41	Accelerating kernel clustering for biomedical data analysis 2011 ,		3
40	Efficient Kernelized prototype based classification. <i>International Journal of Neural Systems</i> , 2011 , 21, 443-57	6.2	28
39	Hierarchical Deconvolution of Linear Mixtures of High-Dimensional Mass Spectra in Microbiology 2011 ,		2
38	Topographic Mapping of Dissimilarity Data. <i>Lecture Notes in Computer Science</i> , 2011 , 1-15	0.9	5
37	Prototype-Based Classification of Dissimilarity Data. <i>Lecture Notes in Computer Science</i> , 2011 , 185-197	0.9	7
36	Relational Extensions of Learning Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2011 , 481-489	0.9	7
35	Accelerating Kernel Neural Gas. <i>Lecture Notes in Computer Science</i> , 2011 , 150-158	0.9	
34	Linear Time Heuristics for Topographic Mapping of Dissimilarity Data. <i>Lecture Notes in Computer Science</i> , 2011 , 25-33	0.9	
33	Evolving trees for the retrieval of mass spectrometry-based bacteria fingerprints. <i>Knowledge and Information Systems</i> , 2010 , 25, 327-343	2.4	6
32	Divergence Based Online Learning in Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2010 , 479-486	0.9	1
31	Generalized Derivative Based Kernelized Learning Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2010 , 21-28	0.9	7
30	The Mathematics of Divergence Based Online Learning in Vector Quantization. <i>Lecture Notes in Computer Science</i> , 2010 , 108-119	0.9	1
29	Supervised data analysis and reliability estimation with exemplary application for spectral data. <i>Neurocomputing</i> , 2009 , 72, 3590-3601	5.4	4
28	Cancer informatics by prototype networks in mass spectrometry. <i>Artificial Intelligence in Medicine</i> , 2009 , 45, 215-28	7.4	13
27	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

26	Funtional vector quantization by neural maps 2009 ,		8
25	Unleashing Pearson Correlation for Faithful Analysis of Biomedical Data. <i>Lecture Notes in Computer Science</i> , 2009 , 70-91	0.9	2
24	Matrix Metric Adaptation Linear Discriminant Analysis of Biomedical Data. <i>Lecture Notes in Computer Science</i> , 2009 , 933-940	0.9	1
23	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
22	Hierarchical PCA Using Tree-SOM for the Identification of Bacteria. <i>Lecture Notes in Computer Science</i> , 2009 , 272-280	0.9	0
21	Fuzzy classification using information theoretic learning vector quantization. <i>Neurocomputing</i> , 2008 , 71, 3070-3076	5.4	6
20	Prototype based fuzzy classification in clinical proteomics. <i>International Journal of Approximate Reasoning</i> , 2008 , 47, 4-16	3.6	15
19	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
18	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
17	Statistical Classification and Visualization of MALDI-Imaging Data. <i>Proceedings of the IEEE Symposium on Computer-Based Medical Systems</i> , 2007 ,		8
16	Margin-based active learning for LVQ networks. <i>Neurocomputing</i> , 2007 , 70, 1215-1224	5.4	19
15	Intuitive Clustering of Biological Data. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		3
14	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	
13	Supervised Neural Gas for Classification of Functional Data and Its Application to the Analysis of Clinical Proteom Spectra 2007 , 1036-1044		3
12	Neural Gas Clustering for Dissimilarity Data with Continuous Prototypes 2007 , 539-546		3
11	Prototype-based fuzzy classification with local relevance for proteomics. <i>Neurocomputing</i> , 2006 , 69, 2425-2428	5.4	15
10	Analysis and Visualization of Proteomic Data by Fuzzy Labeled Self-Organizing Maps 2006 ,		3
9	Comparison of relevance learning vector quantization with other metric adaptive classification methods. <i>Neural Networks</i> , 2006 , 19, 610-22	9.1	18

8	Fuzzy classification by fuzzy labeled neural gas. <i>Neural Networks</i> , 2006 , 19, 772-9	9.1	27
7	MACHINE LEARNING AND SOFT-COMPUTING IN BIOINFORMATICS - A SHORT JOURNEY 2006 ,		2
6	Learning Vector Quantization Classification with Local Relevance Determination for Medical Data. <i>Lecture Notes in Computer Science</i> , 2006 , 603-612	0.9	1
5	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
4	Supervised Batch Neural Gas. <i>Lecture Notes in Computer Science</i> , 2006 , 33-45	0.9	9
3	Fuzzy Labeled Self-Organizing Map with Label-Adjusted Prototypes. <i>Lecture Notes in Computer Science</i> , 2006 , 46-56	0.9	7
2	Fuzzy Labeled Soft Nearest Neighbor Classification with Relevance Learning		1
1	Dimensionality reduction in the context of dynamic social media data streams. <i>Evolving Systems</i> ,1	2.1	0