

Bernardete M Ribeiro

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.

220
papers

1,897
citations

22
h-index

35
g-index

256
ext. papers

2,342
ext. citations

2.3
avg, IF

5.35
L-index

#	Paper	IF	Citations
220	Home electrical signal disaggregation for non-intrusive load monitoring (NILM) systems. <i>Neurocomputing</i> , 2012 , 96, 66-73	5.4	111
219	Financial credit risk assessment: a recent review. <i>Artificial Intelligence Review</i> , 2016 , 45, 1-23	9.7	73
218	Clustering and visualization of bankruptcy trajectory using self-organizing map. <i>Expert Systems With Applications</i> , 2013 , 40, 385-393	7.8	67
217	Support vector machines for quality monitoring in a plastic injection molding process. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2005 , 35, 401-410		64
216	Image complexity and feature mining for steganalysis of least significant bit matching steganography. <i>Information Sciences</i> , 2008 , 178, 21-36	7.7	61
215	. <i>IEEE Access</i> , 2020 , 8, 5699-5722	3.5	56
214	Electrical Signal Source Separation Via Nonnegative Tensor Factorization Using On Site Measurements in a Smart Home. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 364-373	5.2	55
213	A genetic algorithm-based approach to cost-sensitive bankruptcy prediction. <i>Expert Systems With Applications</i> , 2011 , 38, 12939-12945	7.8	47
212	Learning from multiple annotators: Distinguishing good from random labelers. <i>Pattern Recognition Letters</i> , 2013 , 34, 1428-1436	4.7	45
211	Towards adaptive learning with improved convergence of deep belief networks on graphics processing units. <i>Pattern Recognition</i> , 2014 , 47, 114-127	7.7	45
210	DENSER: deep evolutionary network structured representation. <i>Genetic Programming and Evolvable Machines</i> , 2019 , 20, 5-35	2	45
209	The importance of stop word removal on recall values in text categorization		43
208	An improved approach to steganalysis of JPEG images. <i>Information Sciences</i> , 2010 , 180, 1643-1655	7.7	42
207	Probabilistic modeling and visualization for bankruptcy prediction. <i>Applied Soft Computing Journal</i> , 2017 , 60, 831-843	7.5	41
206	A neural network for shortest path computation. <i>IEEE Transactions on Neural Networks</i> , 2001 , 12, 1067-73		40
205	Learning Supervised Topic Models for Classification and Regression from Crowds. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 2409-2422	13.3	35
204	Enhanced default risk models with SVM+. <i>Expert Systems With Applications</i> , 2012 , 39, 10140-10152	7.8	34

203	An Experimental Study on Electrical Signature Identification of Non-Intrusive Load Monitoring (NILM) Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 31-40	0.9	34
202	Modeling epileptic brain states using EEG spectral analysis and topographic mapping. <i>Journal of Neuroscience Methods</i> , 2012 , 210, 220-9	3	32
201	Sequence labeling with multiple annotators. <i>Machine Learning</i> , 2014 , 95, 165-181	4	26
200	Distributed Text Classification With an Ensemble Kernel-Based Learning Approach. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 287-297		24
199	On using crowdsourcing and active learning to improve classification performance 2011 ,		23
198	A Bayesian Additive Model for Understanding Public Transport Usage in Special Events. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 2113-2126	13.3	21
197	An evaluation of multiple feed-forward networks on GPUs. <i>International Journal of Neural Systems</i> , 2011 , 21, 31-47	6.2	19
196	Deep Belief Networks for Financial Prediction. <i>Lecture Notes in Computer Science</i> , 2011 , 766-773	0.9	19
195	Understanding road network dynamics: Link-based topological patterns. <i>Journal of Transport Geography</i> , 2015 , 46, 55-66	5.2	17
194	Automatic graphic logo detection via Fast Region-based Convolutional Networks 2016 ,		17
193	Self-doping and the role of oxygen vacancies in the magnetic properties of cubic BaFeO ₃ □ <i>Journal of Applied Physics</i> , 2013 , 113, 083906	2.5	17
192	Control of a Biped Robot With Support Vector Regression in Sagittal Plane. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2009 , 58, 3167-3176	5.2	17
191	On Text-based Mining with Active Learning and Background Knowledge Using SVM. <i>Soft Computing</i> , 2007 , 11, 519-530	3.5	17
190	Improve credit scoring using transfer of learned knowledge from self-organizing map. <i>Neural Computing and Applications</i> , 2017 , 28, 1329-1342	4.8	16
189	Science Education in a Museum: Enhancing Earth Sciences Literacy as a Way to Enhance Public Awareness of Geological Heritage. <i>Geoheritage</i> , 2014 , 6, 217-223	2.6	15
188	Deep Learning Networks for Off-Line Handwritten Signature Recognition. <i>Lecture Notes in Computer Science</i> , 2011 , 523-532	0.9	15
187	Evolving the Topology of Large Scale Deep Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 19-34	0.9	14
186	Towards expanding relevance vector machines to large scale datasets. <i>International Journal of Neural Systems</i> , 2008 , 18, 45-58	6.2	14

185	Comparative study of classifier ensembles for cost-sensitive credit risk assessment. <i>Intelligent Data Analysis</i> , 2015 , 19, 127-144	1.1	13
184	Improving the generalization capacity of cascade classifiers. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 2135-46	10.2	12
183	GPU Implementation of the Multiple Back-Propagation Algorithm. <i>Lecture Notes in Computer Science</i> , 2009 , 449-456	0.9	12
182	Simulation control of a biped robot with Support Vector Regression 2007 ,		12
181	Scaling Text Classification with Relevance Vector Machines 2006 ,		12
180	Single and ensemble classifiers for defect prediction in sheet metal forming under variability. <i>Neural Computing and Applications</i> , 2020 , 32, 12335-12349	4.8	12
179	Automatic generation of neural networks with structured Grammatical Evolution 2017 ,		11
178	Concept Drift Awareness in Twitter Streams 2014 ,		11
177	Defining Semantic Meta-hashtags for Twitter Classification. <i>Lecture Notes in Computer Science</i> , 2013 , 226-235	0.9	11
176	GPULib: A new Library to combine Machine Learning algorithms with Graphics Processing Units 2010 ,		11
175	Learning Manifolds for Bankruptcy Analysis. <i>Lecture Notes in Computer Science</i> , 2009 , 723-730	0.9	11
174	Extracting Discriminative Features Using Non-negative Matrix Factorization in Financial Distress Data. <i>Lecture Notes in Computer Science</i> , 2009 , 537-547	0.9	11
173	Importance Weighted Import Vector Machine for Unsupervised Domain Adaptation. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3280-3292	10.2	10
172	Restricted Boltzmann Machines and Deep Belief Networks on multi-core processors 2012 ,		9
171	Wavelet Decomposition and Singular Spectrum Analysis for electrical signal denoising 2011 ,		9
170	Magnetic and transport properties of transition-metal implanted ZnO single crystals. <i>European Physical Journal B</i> , 2011 , 79, 185-195	1.2	9
169	Non-negative Matrix Factorization Implementation Using Graphic Processing Units. <i>Lecture Notes in Computer Science</i> , 2010 , 275-283	0.9	9
168	A stable credit rating model based on learning vector quantization. <i>Intelligent Data Analysis</i> , 2011 , 15, 237-250	1.1	9

167	Structural and magnetic properties of thin films of BaFeO ₃ - Γ deposited by pulsed injection metal-organic chemical vapor deposition. <i>Journal of Applied Physics</i> , 2012 , 111, 113923	2.5	9
166	Steganalysis of multi-class JPEG images based on expanded Markov features and polynomial fitting 2008 ,		9
165	Diversity oriented Deep Reinforcement Learning for targeted molecule generation. <i>Journal of Cheminformatics</i> , 2021 , 13, 21	8.6	9
164	Towards the evolution of multi-layered neural networks 2017 ,		8
163	Analysis of trends in seasonal electrical energy consumption via non-negative tensor factorization. <i>Neurocomputing</i> , 2015 , 170, 318-327	5.4	8
162	Introduction to Deep Learning Business Applications for Developers 2018 ,		8
161	Model Prediction of Defects in Sheet Metal Forming Processes. <i>Communications in Computer and Information Science</i> , 2018 , 169-180	0.3	8
160	Extreme Learning Classifier with Deep Concepts. <i>Lecture Notes in Computer Science</i> , 2013 , 182-189	0.9	8
159	On the performance of learning machines for bankruptcy detection		8
158	Drug-Target Interaction Prediction: End-to-End Deep Learning Approach. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 2364-2374	3	7
157	Influence of class distribution on cost-sensitive learning: A case study of bankruptcy analysis. <i>Intelligent Data Analysis</i> , 2013 , 17, 423-437	1.1	7
156	Financial distress model prediction using SVM+ 2010 ,		7
155	Accurate Prediction of Financial Distress of Companies with Machine Learning Algorithms. <i>Lecture Notes in Computer Science</i> , 2009 , 569-576	0.9	7
154	Inductive Inference for Large Scale Text Classification. <i>Studies in Computational Intelligence</i> , 2010 ,	0.8	7
153	A Hybrid AIS-SVM Ensemble Approach for Text Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 342-352	0.9	7
152	Fast DENSER: Efficient Deep NeuroEvolution. <i>Lecture Notes in Computer Science</i> , 2019 , 197-212	0.9	6
151	Active learning metamodeling for policy analysis: Application to an emergency medical service simulator. <i>Simulation Modelling Practice and Theory</i> , 2019 , 97, 101947	3.9	6
150	Adaptive learning for dynamic environments: A comparative approach. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 65, 336-345	7.2	6

149	Graph weighted subspace learning models in bankruptcy 2011 ,		6
148	CHOOSING REAL-TIME PREDICTORS FOR VENTRICULAR ARRHYTHMIA DETECTION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2007 , 21, 1249-1263	1.1	6
147	Cost-Sensitive Learning Vector Quantization for Financial Distress Prediction. <i>Lecture Notes in Computer Science</i> , 2009 , 374-385	0.9	6
146	Machine Learning for Adaptive Many-Core Machines - A Practical Approach. <i>Studies in Big Data</i> , 2015 ,	0.9	5
145	Performance Comparison of Parametric and Non-Parametric Regression Models for Uncertainty Analysis of Sheet Metal Forming Processes. <i>Metals</i> , 2020 , 10, 457	2.3	5
144	Mining the Big Data: The Critical Feature Dimension Problem 2014 ,		5
143	Fast Pattern Classification of Ventricular Arrhythmias Using Graphics Processing Units. <i>Lecture Notes in Computer Science</i> , 2009 , 603-610	0.9	5
142	Premature ventricular beat detection by using spectral clustering methods 2007 ,		5
141	Two-Level Hierarchical Hybrid SVM-RVM Classification Model 2006 ,		5
140	Labeled and unlabeled data in text categorization		5
139	Kernelized based functions with Minkovsky's norm for SVM regression		5
138	MONODA: a neural modular architecture for obstacle avoidance without knowledge of the environment 2000 ,		5
137	Weighted Learning Vector Quantization to Cost-Sensitive Learning. <i>Lecture Notes in Computer Science</i> , 2010 , 277-281	0.9	5
136	An Incremental Class Boundary Preserving Hypersphere Classifier. <i>Lecture Notes in Computer Science</i> , 2011 , 690-699	0.9	5
135	On the Impact of Distance Metrics in Instance-Based Learning Algorithms. <i>Lecture Notes in Computer Science</i> , 2015 , 48-56	0.9	4
134	An Online Platform For Real-Time Air Quality Monitoring 2019 ,		4
133	Nanoparticles of Ni in ZnO single crystal matrix. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	4
132	DOTS: Drift Oriented Tool System. <i>Lecture Notes in Computer Science</i> , 2015 , 615-623	0.9	4

131	Combining active learning and relevance vector machines for text classification 2007 ,		4
130	Image Complexity and Feature Extraction for Steganalysis of LSB Matching Steganography 2006 ,		4
129	Margin-based active learning and background knowledge in text mining		4
128	Fault detection in a thermoplastic injection molding process using neural networks		4
127	A Grassmannian Approach to Zero-Shot Learning for Network Intrusion Detection. <i>Lecture Notes in Computer Science</i> , 2017 , 565-575	0.9	4
126	Improving Text Classification Performance with Incremental Background Knowledge. <i>Lecture Notes in Computer Science</i> , 2009 , 923-931	0.9	4
125	An Incremental Hypersphere Learning Framework for Protein Membership Prediction. <i>Lecture Notes in Computer Science</i> , 2012 , 429-439	0.9	4
124	A Consensus Approach for Combining Multiple Classifiers in Cost-Sensitive Bankruptcy Prediction. <i>Lecture Notes in Computer Science</i> , 2013 , 266-276	0.9	4
123	Extracting Features from an Electrical Signal of a Non-Intrusive Load Monitoring System. <i>Lecture Notes in Computer Science</i> , 2010 , 210-217	0.9	4
122	Aircraft Maintenance Check Scheduling Using Reinforcement Learning. <i>Aerospace</i> , 2021 , 8, 113	2.5	4
121	Using GP Is NEAT: Evolving Compositional Pattern Production Functions. <i>Lecture Notes in Computer Science</i> , 2018 , 3-18	0.9	4
120	Finding the Critical Sampling of Big Datasets 2017 ,		3
119	Customized crowds and active learning to improve classification. <i>Expert Systems With Applications</i> , 2013 , 40, 7212-7219	7.8	3
118	Attribute Learning for Network Intrusion Detection. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 39-49	0.4	3
117	The impact of longstanding messages in micro-blogging classification 2015 ,		3
116	Multi-threaded Support Vector Machines for Pattern Recognition. <i>Lecture Notes in Computer Science</i> , 2012 , 616-623	0.9	3
115	Feature Selection for Bankruptcy Prediction. <i>International Journal of Natural Computing Research</i> , 2010 , 1, 71-91	0.6	3
114	Hybrid Genetic Algorithm and Learning Vector Quantization Modeling for Cost-Sensitive Bankruptcy Prediction 2010 ,		3

113	A strategy for dealing with missing values by using selective activation neurons in a multi-topology framework 2010 ,		3
112	A fast optimized semi-supervised non-negative Matrix Factorization algorithm 2011 ,		3
111	Supervised Isomap with Dissimilarity Measures in Embedding Learning. <i>Lecture Notes in Computer Science</i> , 2008 , 389-396	0.9	3
110	Sparse Bayesian Models: Bankruptcy-Predictors of Choice? 2006 ,		3
109	Ventricular arrhythmias assessment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 3852-5		3
108	Navigating mobile robots with a modular neural architecture. <i>Neural Computing and Applications</i> , 2003 , 12, 200-211	4.8	3
107	Hybrid learning in a multi-neural network architecture		3
106	A neural prediction model for monitoring and fault diagnosis of a plastic injection moulding process 1999 ,		3
105	HANDLING MISSING VALUES VIA A NEURAL SELECTIVE INPUT MODEL. <i>Neural Network World</i> , 2012 , 22, 357-370	2.9	3
104	Incremental Evolution and Development of Deep Artificial Neural Networks. <i>Lecture Notes in Computer Science</i> , 2020 , 35-51	0.9	3
103	Evolution of Scikit-Learn Pipelines with Dynamic Structured Grammatical Evolution. <i>Lecture Notes in Computer Science</i> , 2020 , 530-545	0.9	3
102	Multi-Objective Evolutionary Algorithms for Feature Selection: Application in Bankruptcy Prediction. <i>Lecture Notes in Computer Science</i> , 2010 , 319-328	0.9	3
101	On the Regularization Parameter Selection for Sparse Code Learning in Electrical Source Separation. <i>Lecture Notes in Computer Science</i> , 2013 , 277-286	0.9	3
100	Shaping graph pattern mining for financial risk. <i>Neurocomputing</i> , 2019 , 326-327, 123-131	5.4	3
99	Improving Household's Efficiency via Scheduling of Water and Energy Appliances 2018 ,		3
98	2018 ,		3
97	A Method to Improve Generalization of Neural Networks: Application to the Problem of Bankruptcy Prediction 2005 , 417-420		3
96	Active Manifold Learning with Twitter Big Data. <i>Procedia Computer Science</i> , 2015 , 53, 208-215	1.6	2

95	Learning non-convex abstract concepts with regulated activation networks. <i>Annals of Mathematics and Artificial Intelligence</i> , 2020 , 88, 1207-1235	0.8	2
94	Exploring Geometric Feature Hyper-Space in Data to Learn Representations of Abstract Concepts. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1994	2.6	2
93	Choice of Best Samples for Building Ensembles in Dynamic Environments. <i>Communications in Computer and Information Science</i> , 2016 , 35-47	0.3	2
92	Visualization of Individual Ensemble Classifier Contributions. <i>Communications in Computer and Information Science</i> , 2016 , 633-642	0.3	2
91	Efficient Transport Simulation With Restricted Batch-Mode Active Learning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 3642-3651	6.1	2
90	Offline and online deep learning for image recognition 2017 ,		2
89	Novel Trends in Scaling Up Machine Learning Algorithms 2017 ,		2
88	Signature identification via efficient feature selection and GPU-based SVM classifier 2014 ,		2
87	High-performance bankruptcy prediction model using Graphics Processing Units 2010 ,		2
86	Improving Convergence of Restricted Boltzmann Machines via a Learning Adaptive Step Size. <i>Lecture Notes in Computer Science</i> , 2012 , 511-518	0.9	2
85	Industrial visual inspection of lime granules by neural networks. <i>Computers and Industrial Engineering</i> , 1998 , 35, 539-542	6.4	2
84	Manifold learning for premature ventricular contraction detection 2008 ,		2
83	Statistical Correlations and Machine Learning for Steganalysis 2005 , 437-440		2
82	On learning control in industrial furnaces and boilers		2
81	On the Use of Neural Networks and Geometrical Criteria for Localisation of Highly Irregular Elliptical Shapes. <i>Pattern Analysis and Applications</i> , 1999 , 2, 321-342	2.3	2
80	Artificial neural networks for data modelling of a plastic injection moulding process		2
79	Several Enhancements to Hermite-Based Approximation of One-Variable Functions. <i>Lecture Notes in Computer Science</i> , 2008 , 11-20	0.9	2
78	Advanced Capsule Networks via Context Awareness. <i>Lecture Notes in Computer Science</i> , 2019 , 166-177	0.9	2

77	Hierarchical Deep Learning Approach for Plant Disease Detection. <i>Lecture Notes in Computer Science</i> , 2019 , 383-393	0.9	2
76	Performance Metrics for Model Fusion in Twitter Data Drifts. <i>Lecture Notes in Computer Science</i> , 2017 , 13-21	0.9	2
75	Boosting RVM Classifiers for Large Data Sets. <i>Lecture Notes in Computer Science</i> , 2007 , 228-237	0.9	2
74	Text Classification on Embedded Manifolds. <i>Lecture Notes in Computer Science</i> , 2008 , 272-281	0.9	2
73	Knowledge Extraction with Non-Negative Matrix Factorization for Text Classification. <i>Lecture Notes in Computer Science</i> , 2009 , 300-308	0.9	2
72	Background on Text Classification. <i>Studies in Computational Intelligence</i> , 2010 , 3-29	0.8	2
71	Monitoring an Industrial Plastic Injection Moulding Machine Using Neural Networks 1999 , 89-94		2
70	Sampling and Evaluating the Big Data for Knowledge Discovery 2016 ,		2
69	Get Your Jokes Right: Ask the Crowd. <i>Lecture Notes in Computer Science</i> , 2011 , 178-185	0.9	2
68	A Hybrid Application for Real-Time Air Quality Monitoring 2019 ,		2
67	Retweet Predictive Model for Predicting the Popularity of Tweets. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 185-193	0.4	2
66	Detecting urban water consumption patterns: a time-series clustering approach. <i>Water Science and Technology: Water Supply</i> , 2019 , 19, 2323-2329	1.4	1
65	Financial credit risk assessment via learning-based hashing. <i>Intelligent Decision Technologies</i> , 2017 , 11, 177-186	0.7	1
64	Exploring the performance of non-negative multi-way factorization for household electrical seasonal consumption disaggregation 2014 ,		1
63	Evaluation of a Resource Allocating Network with Long Term Memory Using GPU. <i>Lecture Notes in Computer Science</i> , 2011 , 41-50	0.9	1
62	Improving recall values in breast cancer diagnosis with Incremental Background Knowledge 2010 ,		1
61	Smart home: A novel model for denoising an electrical signal 2011 ,		1
60	Selecting Examples in Manifold Reduced Feature Space for Active Learning 2008 ,		1

59	Building resilient classifiers for LSB matching steganography 2008 ,		1
58	On data based learning using support vector clustering 2002 ,		1
57	Bayes information criterion for Tikhonov regularization with linear constraints: application to spectral data estimation		1
56	Road infrastructures for risk management 2013 , 669-677		1
55	Incorporate Cost Matrix into Learning Vector Quantization Modeling: a Comparative Study of Genetic Algorithm, Simulated Annealing and Particle Swarm Optimization. <i>International Journal of Computer Theory and Engineering</i> , 2011 , 122-129	0.1	1
54	Automated Learning of RVM for Large Scale Text Sets: Divide to Conquer. <i>Lecture Notes in Computer Science</i> , 2006 , 878-886	0.9	1
53	Critical Feature Selection and Critical Sampling for Data Mining. <i>Communications in Computer and Information Science</i> , 2018 , 13-24	0.3	1
52	Deep Neural Network Architecture for Drug-Target Interaction Prediction. <i>Lecture Notes in Computer Science</i> , 2019 , 804-809	0.9	1
51	An Improvement for Capsule Networks Using Depthwise Separable Convolution. <i>Lecture Notes in Computer Science</i> , 2019 , 521-530	0.9	1
50	Hashing for Financial Credit Risk Analysis. <i>Lecture Notes in Computer Science</i> , 2014 , 395-403	0.9	1
49	Multiclass Ensemble of One-against-all SVM Classifiers. <i>Lecture Notes in Computer Science</i> , 2016 , 531-539	0.9	1
48	Improving Personal Credit Scoring with HLVQ-C. <i>Lecture Notes in Computer Science</i> , 2009 , 97-103	0.9	1
47	Biclustering and Subspace Learning with Regularization for Financial Risk Analysis. <i>Lecture Notes in Computer Science</i> , 2012 , 228-235	0.9	1
46	Consensus-based Approach for Keyword Extraction from Urban Events Collections. <i>Advances in Distributed Computing and Artificial Intelligence Journal</i> , 2016 , 4, 41-60	0.4	1
45	Trading off Distance Metrics vs Accuracy in Incremental Learning Algorithms. <i>Lecture Notes in Computer Science</i> , 2017 , 530-538	0.9	1
44	Non-intrusive Residential Electrical Consumption Traces. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 51-58		1
43	Feature Mining and Pattern Recognition in Multimedia Forensics Detection of JPEG Image Based Steganography, Double-Compression, Interpolation and WAV Audio Based Steganography 2011 , 561-604		1
42	Credit Scoring for SME Using a Manifold Supervised Learning Algorithm. <i>Lecture Notes in Computer Science</i> , 2012 , 763-770	0.9	1

41	Boosting dynamic ensemble performance in Twitter. <i>Neural Computing and Applications</i> , 2020 , 32, 10655-10667	4.8	1
40	A Compressive Receding Horizon Approach for Smart Home Energy Management. <i>IEEE Access</i> , 2021 , 9, 100407-100435	3.5	1
39	Federated Learning as a Privacy-Providing Machine Learning for Defect Predictions in Smart Manufacturing. <i>Smart and Sustainable Manufacturing Systems</i> , 2021 , 5, 20200029	0.8	1
38	Modeling Abstract Concepts For Internet of Everything: A Cognitive Artificial System 2018 ,		1
37	Dynamic Human Gait VGRF Reference Profile Generation via Extreme Learning Machine 2018 ,		1
36	Adaptive Learning Models Evaluation in Twitter Timelines 2018 ,		1
35	Optimizing blood-brain barrier permeation through deep reinforcement learning for de novo drug design. <i>Bioinformatics</i> , 2021 , 37, i84-i92	7.2	1
34	GPU-based fast clustering via K-Centres and k-NN mode seeking for geospatial industry applications. <i>Computers in Industry</i> , 2020 , 122, 103260	11.6	0
33	Epileptic Seizure Prediction with Stacked Auto-encoders: Lessons from the Evaluation on a Large and Collaborative Database. <i>IFMBE Proceedings</i> , 2018 , 9-13	0.2	0
32	Learning in Twitter Streams with 280 Character Tweets. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 177-184	0.4	0
31	The Importance of Precision in Humour Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 271-278	0.9	0
30	Fast-DENSER: Fast Deep Evolutionary Network Structured Representation. <i>SoftwareX</i> , 2021 , 14, 100694	2.7	0
29	Emulating Cued Recall of Abstract Concepts via Regulated Activation Networks. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2134	2.6	0
28	Playful Probes for Design Interaction with Machine Learning: A Tool for Aircraft Condition-Based Maintenance Planning and Visualisation. <i>Mathematics</i> , 2022 , 10, 1604	2.3	0
27	Dimensionality Reduction Using Graph Weighted Subspace Learning for Bankruptcy Prediction. <i>Annals of Information Systems</i> , 2015 , 155-178		
26	A Structural Pattern Mining Approach for Credit Risk Assessment. <i>Lecture Notes in Computer Science</i> , 2015 , 73-84	0.9	
25	Prediction of the Remaining Useful Life of Aircraft Systems via Web Interface. <i>International Journal of Online and Biomedical Engineering</i> , 2020 , 16, 23	0.8	
24	Multi-label learning vector quantization for semi-supervised classification. <i>Intelligent Data Analysis</i> , 2019 , 23, 839-853	1.1	

- 23 Aggregated local models via subspace clustering. *Intelligent Decision Technologies*, **2014**, 9, 153-165 0.7
- 22 Space time frequency (STF) code tensor for the characterization of the epileptic preictal stage. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 621-4 0.9
- 21 Towards a hybrid NMF-based neural approach for face recognition on GPUs. *International Journal of Data Mining, Modelling and Management*, **2012**, 4, 138 0.2
- 20 ECG Compression through segment matching and progressive error encoding. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2007**, 2007, 135-8
- 19 RADIOMETRIC IMAGE CORRECTION WITH AUTOMATIC MODEL SELECTION. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2002**, 35, 361-366
- 18 Knee Injured Recovery Analysis Using Extreme Learning Machine. *Communications in Computer and Information Science*, **2020**, 65-79 0.3
- 17 Directional Grid-Based Search for Simulation Metamodeling Using Active Learning. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2020**, 32-46 0.2
- 16 Support, Relevance and Spectral Learning for Time Series. *Lecture Notes in Computer Science*, **2007**, 199-207
- 15 Angular Memory and Supervisory Modules in a Neural Architecture for Navigating NOMAD **2001**, 173-176
- 14 An Inductive Inference Approach to Large Scale Text Categorisation **2003**, 126-130
- 13 A framework for neural quality control systems design **2003**, 101-106
- 12 Application for Monitoring and Prediction of Energy and Water Consumption in Domestic Cyber-Physical Systems. *Lecture Notes in Networks and Systems*, **2020**, 28-37 0.5
- 11 Credit Prediction Using Transfer of Learning via Self-Organizing Maps to Neural Networks. *Communications in Computer and Information Science*, **2015**, 358-365 0.3
- 10 How Deep Can We Rely on Emotion Recognition. *Lecture Notes in Computer Science*, **2017**, 511-520 0.9
- 9 Improving Visualization, Scalability and Performance of Multiclass Problems with SVM Manifold Learning. *Lecture Notes in Computer Science*, **2009**, 370-379 0.9
- 8 A Hybrid Face Recognition Approach Using GPULib. *Lecture Notes in Computer Science*, **2010**, 96-103 0.9
- 7 A Robust Learning Model for Dealing with Missing Values in Many-Core Architectures. *Lecture Notes in Computer Science*, **2011**, 108-117 0.9
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