

Yoan Miche

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.

151
papers

28,729
citations

49
h-index

167
g-index

167
ext. papers

34,115
ext. citations

4.2
avg, IF

7.68
L-index

#	Paper	IF	Citations
151	Efficient joint model learning, segmentation and model updating for visual tracking.. <i>Neural Networks</i> , 2022 , 147, 175-185	9.1	0
150	Security policies definition and enforcement utilizing policy control function framework in 5G. <i>Computer Communications</i> , 2021 , 172, 226-237	5.1	5
149	End-to-end novel visual categories learning via auxiliary self-supervision. <i>Neural Networks</i> , 2021 , 139, 24-32	9.1	0
148	Label propagation via local geometry preserving for deep semi-supervised image recognition. <i>Neural Networks</i> , 2021 , 143, 303-313	9.1	0
147	R-ELMNet: Regularized extreme learning machine network. <i>Neural Networks</i> , 2020 , 130, 49-59	9.1	6
146	Robust Real-time Face Tracking for People Wearing Face Masks 2020 ,		2
145	Unsupervised feature selection based extreme learning machine for clustering. <i>Neurocomputing</i> , 2020 , 386, 198-207	5.4	20
144	Unsupervised feature learning with sparse Bayesian auto-encoding based extreme learning machine. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 1557-1569	3.8	2
143	Simultaneously learning affinity matrix and data representations for machine fault diagnosis. <i>Neural Networks</i> , 2020 , 122, 395-406	9.1	5
142	ELM embedded discriminative dictionary learning for image classification. <i>Neural Networks</i> , 2020 , 123, 331-342	9.1	8
141	Learning Representations With Local and Global Geometries Preserved for Machine Fault Diagnosis. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2360-2370	8.9	22
140	. <i>IEEE Access</i> , 2019 , 7, 20325-20336	3.5	95
139	Per-sample prediction intervals for extreme learning machines. <i>International Journal of Machine Learning and Cybernetics</i> , 2019 , 10, 991-1001	3.8	2
138	ELM-SOM+: A continuous mapping for visualization. <i>Neurocomputing</i> , 2019 , 365, 147-156	5.4	6
137	Deformable Surface Registration with Extreme Learning Machines. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2019 , 304-316	0.2	3
136	Quantitative Analysis of Gas Phase IR Spectra Based on Extreme Learning Machine Regression Model. <i>Sensors</i> , 2019 , 19,	3.8	5
135	A Framework for Privacy Quantification: Measuring the Impact of Privacy Techniques Through Mutual Information, Distance Mapping, and Machine Learning. <i>Cognitive Computation</i> , 2019 , 11, 241-261 ⁴⁴		0

134	Content-Insensitive Blind Image Blurriness Assessment Using Weibull Statistics and Sparse Extreme Learning Machine. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 516-527	7.3	7
133	Generating Word Embeddings from an Extreme Learning Machine for Sentiment Analysis and Sequence Labeling Tasks. <i>Cognitive Computation</i> , 2018 , 10, 625-638	4.4	27
132	Extreme Learning Machines for VISualization+R: Mastering Visualization with Target Variables. <i>Cognitive Computation</i> , 2018 , 10, 464-477	4.4	1
131	Adaptive and online network intrusion detection system using clustering and Extreme Learning Machines. <i>Journal of the Franklin Institute</i> , 2018 , 355, 1752-1779	4	41
130	Exploiting AIS Data for Intelligent Maritime Navigation: A Comprehensive Survey From Data to Methodology. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 1559-1582	6.1	126
129	Anomaly-Based Intrusion Detection Using Extreme Learning Machine and Aggregation of Network Traffic Statistics in Probability Space. <i>Cognitive Computation</i> , 2018 , 10, 848-863	4.4	32
128	Incremental ELMVIS for Unsupervised Learning. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2018 , 183-193	0.2	
127	Learning Flow Characteristics Distributions with ELM for Distributed Denial of Service Detection and Mitigation. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2018 , 129-143	0.2	2
126	Data Driven Convolutional Sparse Coding for Visual Recognition 2018 ,		2
125	Mobile Subscriber Profile Data Privacy Breach via 4GDiameter Interconnection. <i>Journal of ICT Standardization</i> , 2018 , 6, 245-262	1.6	2
124	ELM-SOM: A Continuous Self-Organizing Map for Visualization 2018 ,		7
123	NMF-Based Image Quality Assessment Using Extreme Learning Machine. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 232-243	10.2	61
122	Brute-force Missing Data Extreme Learning Machine for Predicting Huntington's Disease 2017 ,		1
121	A theoretical study of the relationship between an ELM network and its subnetworks 2017 ,		1
120	Adding reliability to ELM forecasts by confidence intervals. <i>Neurocomputing</i> , 2017 , 219, 232-241	5.4	5
119	Large-Scale Automated Sleep Staging. <i>Sleep</i> , 2017 , 40,	1.1	55
118	Practical Estimation of Mutual Information on Non-Euclidean Spaces. <i>Lecture Notes in Computer Science</i> , 2017 , 123-136	0.9	1
117	On Distance Mapping from non-Euclidean Spaces to Euclidean Spaces. <i>Lecture Notes in Computer Science</i> , 2017 , 3-13	0.9	

116	Singular Value Decomposition update and its application to (Inc)-OP-ELM. <i>Neurocomputing</i> , 2016 , 174, 99-108	5.4	7
115	Learning Polychronous Neuronal Groups Using Joint Weight-Delay Spike-Timing-Dependent Plasticity. <i>Neural Computation</i> , 2016 , 28, 2181-212	2.9	5
114	Fast and Accurate Spatiotemporal Fusion Based Upon Extreme Learning Machine. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 2039-2043	4.1	46
113	Smile detection using Pair-wise Distance Vector and Extreme Learning Machine 2016 ,		8
112	Two-stage structured learning approach for stable occupancy detection 2016 ,		6
111	Extreme learning machine for missing data using multiple imputations. <i>Neurocomputing</i> , 2016 , 174, 220-231	3.1	69
110	Evaluating Confidence Intervals for ELM Predictions. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 413-422	0.2	0
109	Driver Distraction Detection Using Semi-Supervised Machine Learning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 1108-1120	6.1	105
108	Brain MRI morphological patterns extraction tool based on Extreme Learning Machine and majority vote classification. <i>Neurocomputing</i> , 2016 , 174, 344-351	5.4	16
107	A Fast SVD-Hidden-nodes based Extreme Learning Machine for Large-Scale Data Analytics. <i>Neural Networks</i> , 2016 , 77, 14-28	9.1	27
106	ELMVIS+: Improved Nonlinear Visualization Technique Using Cosine Distance and Extreme Learning Machines. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 357-369	0.2	5
105	Data Anonymization as a Vector Quantization Problem: Control Over Privacy for Health Data. <i>Lecture Notes in Computer Science</i> , 2016 , 193-203	0.9	2
104	On Mutual Information over Non-Euclidean Spaces, Data Mining and Data Privacy Levels. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 371-383	0.2	
103	Combined nonlinear visualization and classification: ELMVIS++ 2016 ,		3
102	Investigation on driver stress utilizing ECG signals with on-board navigation systems in use 2016 ,		7
101	ELMVIS+: Fast nonlinear visualization technique based on cosine distance and extreme learning machines. <i>Neurocomputing</i> , 2016 , 205, 247-263	5.4	16
100	Extreme Learning Machines for Multiclass Classification: Refining Predictions with Gaussian Mixture Models. <i>Lecture Notes in Computer Science</i> , 2015 , 153-164	0.9	10
99	MD-ELM: Originally Mislabeled Samples Detection using OP-ELM Model. <i>Neurocomputing</i> , 2015 , 159, 242-250	5.4	10

98	. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 30-41	5.6	18
97	SOM-ELM Self-Organized Clustering using ELM. <i>Neurocomputing</i> , 2015 , 165, 238-254	5.4	18
96	. <i>IEEE Access</i> , 2015 , 3, 1011-1025	3.5	200
95	Towards an intelligent framework for multimodal affective data analysis. <i>Neural Networks</i> , 2015 , 63, 104-16	9.1	127
94	Meme representations for game agents. <i>World Wide Web</i> , 2015 , 18, 215-234	2.9	3
93	Trends in extreme learning machines: a review. <i>Neural Networks</i> , 2015 , 61, 32-48	9.1	1109
92	Multiple kernel extreme learning machine. <i>Neurocomputing</i> , 2015 , 149, 253-264	5.4	122
91	Binary/ternary extreme learning machines. <i>Neurocomputing</i> , 2015 , 149, 187-197	5.4	28
90	Compressed-Domain Ship Detection on Spaceborne Optical Image Using Deep Neural Network and Extreme Learning Machine. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 1174-1185	8.1	274
89	Multifeature Extreme Ordinal Ranking Machine for Facial Age Estimation. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-9	1.1	0
88	What are Extreme Learning Machines? Filling the Gap Between Frank Rosenblatt's Dream and John von Neumann's Puzzle. <i>Cognitive Computation</i> , 2015 , 7, 263-278	4.4	327
87	Minimal Learning Machine: A novel supervised distance-based approach for regression and classification. <i>Neurocomputing</i> , 2015 , 164, 34-44	5.4	33
86	Cluster Regularized Extreme Learning Machine for Detecting Mixed-Type Distraction in Driving 2015 ,		7
85	Hierarchical Extreme Learning Machine for unsupervised representation learning 2015 ,		27
84	An Insight into Extreme Learning Machines: Random Neurons, Random Features and Kernels. <i>Cognitive Computation</i> , 2014 , 6, 376-390	4.4	666
83	Long-term time series prediction using OP-ELM. <i>Neural Networks</i> , 2014 , 51, 50-6	9.1	96
82	Bankruptcy prediction using Extreme Learning Machine and financial expertise. <i>Neurocomputing</i> , 2014 , 128, 296-302	5.4	89
81	A Two-Stage Methodology Using K-NN and False-Positive Minimizing ELM for Nominal Data Classification. <i>Cognitive Computation</i> , 2014 , 6, 432-445	4.4	26

80	Ensemble delta test-extreme learning machine (DT-ELM) for regression. <i>Neurocomputing</i> , 2014 , 129, 153-158	5.4	30
79	A fast learning algorithm for multi-layer extreme learning machine 2014 ,		11
78	Extreme learning machine towards dynamic model hypothesis in fish ethology research. <i>Neurocomputing</i> , 2014 , 128, 273-284	5.4	40
77	Learning to Rank with Extreme Learning Machine. <i>Neural Processing Letters</i> , 2014 , 39, 155-166	2.4	28
76	Feature selection for nonlinear models with extreme learning machines. <i>Neurocomputing</i> , 2013 , 102, 111-124	5.4	58
75	Fast Face Recognition Via Sparse Coding and Extreme Learning Machine. <i>Cognitive Computation</i> , 2013 , 6, 264	4.4	11
74	An extreme learning machine approach for speaker recognition. <i>Neural Computing and Applications</i> , 2013 , 22, 417-425	4.8	41
73	Computation using mismatch: Neuromorphic extreme learning machines 2013 ,		8
72	Extending the Minimal Learning Machine for Pattern Classification 2013 ,		1
71	Regularized extreme learning machine for regression with missing data. <i>Neurocomputing</i> , 2013 , 102, 45-51	5.4	144
70	Extreme Learning Machines [Trends & Controversies]. <i>IEEE Intelligent Systems</i> , 2013 , 28, 30-59	4.2	249
69	Extreme Learning Machine: A Robust Modeling Technique? Yes!. <i>Lecture Notes in Computer Science</i> , 2013 , 17-35	0.9	16
68	Voting base online sequential extreme learning machine for multi-class classification 2013 ,		1
67	FUZZY EXTREME LEARNING MACHINE FOR A CLASS OF FUZZY INFERENCE SYSTEMS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2013 , 21, 51-61	0.8	9
66	Minimal Learning Machine: A New Distance-Based Method for Supervised Learning. <i>Lecture Notes in Computer Science</i> , 2013 , 408-416	0.9	8
65	Voting based extreme learning machine. <i>Information Sciences</i> , 2012 , 185, 66-77	7.7	247
64	Extreme learning machine for regression and multiclass classification. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 513-29		3499
63	Universal approximation of extreme learning machine with adaptive growth of hidden nodes. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 365-71	10.3	157

62	Self-Adaptive Evolutionary Extreme Learning Machine. <i>Neural Processing Letters</i> , 2012 , 36, 285-305	2.4	192
61	Extreme learning machines for intrusion detection 2012 ,		30
60	Receding Horizon Cache and Extreme Learning Machine based Reinforcement Learning 2012 ,		2
59	Credit risk evaluation with extreme learning machine 2012 ,		7
58	Methodology for Behavioral-based Malware Analysis and Detection Using Random Projections and K-Nearest Neighbors Classifiers 2011 ,		9
57	GPU-accelerated and parallelized ELM ensembles for large-scale regression. <i>Neurocomputing</i> , 2011 , 74, 2430-2437	5.4	147
56	Face recognition based on extreme learning machine. <i>Neurocomputing</i> , 2011 , 74, 2541-2551	5.4	153
55	TROP-ELM: A double-regularized ELM using LARS and Tikhonov regularization. <i>Neurocomputing</i> , 2011 , 74, 2413-2421	5.4	197
54	Advances in extreme learning machines (ELM2010). <i>Neurocomputing</i> , 2011 , 74, 2411-2412	5.4	21
53	Composite Function Wavelet Neural Networks with Differential Evolution and Extreme Learning Machine. <i>Neural Processing Letters</i> , 2011 , 33, 251-265	2.4	28
52	Patient Outcome Prediction with Heart Rate Variability and Vital Signs. <i>Journal of Signal Processing Systems</i> , 2011 , 64, 265-278	1.4	24
51	Extended sequential adaptive fuzzy inference system for classification problems. <i>Evolving Systems</i> , 2011 , 2, 71-82	2.1	65
50	Extreme learning machines: a survey. <i>International Journal of Machine Learning and Cybernetics</i> , 2011 , 2, 107-122	3.8	1288
49	OP-KNN: Method and Applications. <i>Advances in Artificial Neural Systems</i> , 2010 , 2010, 1-6		3
48	OP-ELM: optimally pruned extreme learning machine. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 158-62		562
47	OPELM and OPKNN in long-term prediction of time series using projected input data. <i>Neurocomputing</i> , 2010 , 73, 1976-1986	5.4	13
46	Constructive hidden nodes selection of extreme learning machine for regression. <i>Neurocomputing</i> , 2010 , 73, 3191-3199	5.4	103
45	Optimization method based extreme learning machine for classification. <i>Neurocomputing</i> , 2010 , 74, 155-163	5.4	640

44	Adaptive Ensemble Models of Extreme Learning Machines for Time Series Prediction. <i>Lecture Notes in Computer Science</i> , 2009 , 305-314	0.9	48
43	Ensemble of online sequential extreme learning machine. <i>Neurocomputing</i> , 2009 , 72, 3391-3395	5.4	252
42	Error minimized extreme learning machine with growth of hidden nodes and incremental learning. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 1352-7		472
41	Efficient Parallel Feature Selection for Steganography Problems. <i>Lecture Notes in Computer Science</i> , 2009 , 1224-1231	0.9	7
40	A constructive enhancement for Online Sequential Extreme Learning Machine 2009 ,		3
39	Online sequential fuzzy extreme learning machine for function approximation and classification problems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 1067-72		265
38	Reliable Steganalysis Using a Minimum Set of Samples and Features. <i>Eurasip Journal on Information Security</i> , 2009 , 2009, 1-13		6
37	Sparse Linear Combination of SOMs for Data Imputation: Application to Financial Database. <i>Lecture Notes in Computer Science</i> , 2009 , 290-297	0.9	4
36	Incremental extreme learning machine with fully complex hidden nodes. <i>Neurocomputing</i> , 2008 , 71, 576-583	5.4	230
35	Enhanced random search based incremental extreme learning machine. <i>Neurocomputing</i> , 2008 , 71, 3460-3468	5.4	679
34	Reply to Comments on "The Extreme Learning Machine" <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 1495-1496		19
33	Extreme learning machine for multi-categories classification applications 2008 ,		32
32	Optimal Pruned K-Nearest Neighbors: OP-KNN Application to Financial Modeling 2008 ,		3
31	Long-term prediction of time series using NNE-based projection and OP-ELM 2008 ,		15
30	Extreme Learning Machine based bacterial protein subcellular localization prediction 2008 ,		3
29	OP-ELM: Theory, Experiments and a Toolbox. <i>Lecture Notes in Computer Science</i> , 2008 , 145-154	0.9	50
28	Mahalanobis Ellipsoidal Learning Machine for One Class Classification 2007 ,		7
27	Convex incremental extreme learning machine. <i>Neurocomputing</i> , 2007 , 70, 3056-3062	5.4	848

26	Advantages of Using Feature Selection Techniques on Steganalysis Schemes 2007 , 606-613		2
25	Extreme learning machine: Theory and applications. <i>Neurocomputing</i> , 2006 , 70, 489-501	5.4	7695
24	Fuzzy Fault Tolerant Controller for Actuator Failures during Aircraft Autolanding 2006 ,		2
23	Can threshold networks be trained directly?. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006 , 53, 187-191		201
22	A Feature Selection Methodology for Steganalysis. <i>Lecture Notes in Computer Science</i> , 2006 , 49-56	0.9	20
21	A fast and accurate online sequential learning algorithm for feedforward networks. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 1411-23		1335
20	Real-time learning capability of neural networks. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 863-78		142
19	A new machine learning paradigm for terrain reconstruction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2006 , 3, 382-386	4.1	55
18	Universal approximation using incremental constructive feedforward networks with random hidden nodes. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 879-92		1806
17	Using FCMC, FVS, and PCA techniques for feature extraction of multispectral images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2005 , 2, 108-112	4.1	48
16	A generalized growing and pruning RBF (GGAP-RBF) neural network for function approximation. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 57-67		421
15	Fully complex extreme learning machine. <i>Neurocomputing</i> , 2005 , 68, 306-314	5.4	302
14	Performance Evaluation of GAP-RBF Network in Channel Equalization. <i>Neural Processing Letters</i> , 2005 , 22, 223-233	2.4	14
13	Fast modular network implementation for support vector machines. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 1651-63		28
12	An Efficient Sequential RBF Network for Gene Expression-Based Multi-category classification 2005 ,		1
11	An efficient sequential learning algorithm for growing and pruning RBF (GAP-RBF) networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 2284-92		247
10	Learning capability and storage capacity of two-hidden-layer feedforward networks. <i>IEEE Transactions on Neural Networks</i> , 2003 , 14, 274-81		470
9	Upper bounds on the number of hidden neurons in feedforward networks with arbitrary bounded nonlinear activation functions. <i>IEEE Transactions on Neural Networks</i> , 1998 , 9, 224-9		340

8	Ordering of Self-Organizing Maps in Multidimensional Cases. <i>Neural Computation</i> , 1998 , 10, 19-23	2.9	6
7	General approximation theorem on feedforward networks		2
6	Protein sequence classification using extreme learning machine		16
5	Excerpts of research in brain sciences and neural networks in Singapore		1
4	Extreme learning machine: a new learning scheme of feedforward neural networks		459
3	Extreme learning machine: RBF network case		35
2	An efficient sequential RBF network for bio-medical classification problems		2
1	Time series study of GGAP-RBF network: predictions of Nasdaq stock and nitrate contamination of drinking water		9