

Wing W Y Ng

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.

116
papers

1,107
citations

16
h-index

29
g-index

161
ext. papers

1,573
ext. citations

5.2
avg, IF

4.81
L-index

#	Paper	IF	Citations
116	Localized generalization error model and its application to architecture selection for radial basis function neural network. <i>IEEE Transactions on Neural Networks</i> , 2007 , 18, 1294-305		119
115	Diversified Sensitivity-Based Undersampling for Imbalance Classification Problems. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2402-12	10.2	114
114	Feature selection using localized generalization error for supervised classification problems using RBFNN. <i>Pattern Recognition</i> , 2008 , 41, 3706-3719	7.7	59
113	Structured large margin machines: sensitive to data distributions. <i>Machine Learning</i> , 2007 , 68, 171-200	4	54
112	Content-based image retrieval using color moment and Gabor texture feature 2010 ,		50
111	Spam filtering for short messages in adversarial environment. <i>Neurocomputing</i> , 2015 , 155, 167-176	5.4	45
110	MLPNN Training via a Multiobjective Optimization of Training Error and Stochastic Sensitivity. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 978-92	10.3	39
109	A robust correlation analysis framework for imbalanced and dichotomous data with uncertainty. <i>Information Sciences</i> , 2019 , 470, 58-77	7.7	31
108	Neural Network Ensembles for Sensor-Based Human Activity Recognition Within Smart Environments. <i>Sensors</i> , 2019 , 20,	3.8	31
107	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 1225-1235	6.6	29
106	. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1588-1597	11.9	25
105	. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 4819-4829	11.9	20
104	Dynamic fusion method using Localized Generalization Error Model. <i>Information Sciences</i> , 2012 , 217, 1-20	7.7	20
103	An improved differential evolution and its application to determining feature weights in similarity-based clustering. <i>Neurocomputing</i> , 2014 , 146, 95-103	5.4	19
102	LG-Trader: Stock trading decision support based on feature selection by weighted localized generalization error model. <i>Neurocomputing</i> , 2014 , 146, 104-112	5.4	16
101	A multiple intelligent agent system for credit risk prediction via an optimization of localized generalization error with diversity. <i>Journal of Systems Science and Systems Engineering</i> , 2007 , 16, 166-180	1.2	16
100	A deep learning based hybrid method for hourly solar radiation forecasting. <i>Expert Systems With Applications</i> , 2021 , 177, 114941	7.8	16

99	Multiple classifier system for short term load forecast of Microgrid 2011 ,		14
98	Global-Local Mutual Attention Model for Text Classification. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2019 , 27, 2127-2139	3.6	13
97	Incremental Hashing for Semantic Image Retrieval in Nonstationary Environments. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3814-3826	10.2	13
96	Convolutional Multitimescale Echo State Network. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1613-1625	10.2	12
95	Multi-level supervised hashing with deep features for efficient image retrieval. <i>Neurocomputing</i> , 2020 , 399, 171-182	5.4	11
94	Bi-firing deep neural networks. <i>International Journal of Machine Learning and Cybernetics</i> , 2014 , 5, 73-83	3.8	11
93	HYPER-PARAMETER SELECTION FOR SPARSE LS-SVM VIA MINIMIZATION OF ITS LOCALIZED GENERALIZATION ERROR. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2013 , 11, 1350030	0.9	11
92	Load forecasting based on deep neural network and historical data augmentation. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5927-5934	2.5	11
91	Depth estimation from a single image using defocus cues 2011 ,		9
90	Loan Default Prediction Using Diversified Sensitivity Undersampling 2018 ,		9
89	Hashing-Based Undersampling Ensemble for Imbalanced Pattern Classification Problems. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	8
88	Incremental Hash-Bit Learning for Semantic Image Retrieval in Nonstationary Environments. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3844-3858	10.2	8
87	Improved sparse LSSVMS based on the localized generalization error model. <i>International Journal of Machine Learning and Cybernetics</i> , 2017 , 8, 1853-1861	3.8	8
86	RFID indoor positioning using RBFNN with L-GEM 2010 ,		8
85	Access control by RFID and face recognition based on neural network 2010 ,		8
84	Multi-Level Local Feature Coding Fusion for Music Genre Recognition. <i>IEEE Access</i> , 2020 , 8, 152713-152723	3.7	8
83	Multi-Occupancy Fall Detection Using Non-Invasive Thermal Vision Sensor. <i>IEEE Sensors Journal</i> , 2021 , 21, 5377-5388	4	8
82	Multi-View Neural Network Ensemble for Short and Mid-Term Load Forecasting. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 2992-3003	7	8

81	Sequential conditional entropy maximization semi-supervised hashing for semantic image retrieval. <i>International Journal of Machine Learning and Cybernetics</i> , 2017 , 8, 571-586	3.8	7
80	Sensitivity based image filtering for multi-hashing in large scale image retrieval problems. <i>International Journal of Machine Learning and Cybernetics</i> , 2015 , 6, 777-794	3.8	7
79	SALMNet: A Structure-Aware Lane Marking Detection Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-12	6.1	7
78	Attention-based spatio-temporal dependence learning network. <i>Information Sciences</i> , 2019 , 503, 92-108	7.7	7
77	Empirical comparison of forward and backward search strategies in L-GEM based feature selection with RBFNN 2010 ,		6
76	Intelligent book positioning for library using RFID and book spine matching 2011 ,		6
75	Efficiency of applying virtual reference tag to neural network based RFID indoor positioning method 2011 ,		6
74	Localized generalization error based active learning for image annotation. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008 ,	2	6
73	Weighted multi-deep ranking supervised hashing for efficient image retrieval. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 883-897	3.8	6
72	Undersampling Near Decision Boundary for Imbalance Problems 2019 ,		6
71	Verifiable, Reliable, and Privacy-Preserving Data Aggregation in Fog-Assisted Mobile Crowdsensing. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14127-14140	10.7	6
70	Evaluation of radial basis function neural network minimizing L-GEM for sensor-based activity recognition. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 1	3.7	5
69	Quantification of side-channel information leaks based on data complexity measures for web browsing. <i>International Journal of Machine Learning and Cybernetics</i> , 2015 , 6, 607-619	3.8	5
68	Radial Basis Function Neural Network with Localized Stochastic-Sensitive Autoencoder for Home-Based Activity Recognition. <i>Sensors</i> , 2020 , 20,	3.8	5
67	Training error and sensitivity-based ensemble feature selection. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 2313-2326	3.8	5
66	A brief survey on current RFID applications 2009 ,		5
65	MultiCycleNet: Multiple Cycles Self-Boosted Neural Network for Short-term Electric Household Load Forecasting. <i>Sustainable Cities and Society</i> , 2021 , 103484	10.1	5
64	Human Activity Recognition Using Radial Basis Function Neural Network Trained via a Minimization of Localized Generalization Error. <i>Lecture Notes in Computer Science</i> , 2017 , 498-507	0.9	5

63	D4Net: De-deformation defect detection network for non-rigid products with large patterns. <i>Information Sciences</i> , 2021 , 547, 763-776	7.7	5
62	Stock investment decision support for Hong Kong market using RBFNN based candlestick models 2011 ,		4
61	Maximizing minority accuracy for imbalanced pattern classification problems using cost-sensitive Localized Generalization Error Model. <i>Applied Soft Computing Journal</i> , 2021 , 104, 107178	7.5	4
60	Location bagging-based undersampling for imbalanced classification problems 2016 ,		4
59	Stochastic Sensitivity Measure-Based Noise Filtering and Oversampling Method for Imbalanced Classification Problems 2018 ,		4
58	Deep autoencoder with localized stochastic sensitivity for short-term load forecasting. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 130, 106954	5.1	4
57	Decomposition Based Multi-Objective Variable Neighborhood Descent Algorithm for Logistics Dispatching. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 1-14	4.1	3
56	A growing architecture selection for Multilayer Perceptron Neural Network by the L-GEM 2010 ,		3
55	Feature selection for blind steganalysis using localized generalization error model 2010 ,		3
54	3D Goods allocation in warehouse with L-GEM based 3-D RFID positioning 2011 ,		3
53	A novel method to reduce redundancy in adaptive threshold clustering key frame extraction systems 2011 ,		3
52	A NOVEL FEATURE GROUPING METHOD FOR ENSEMBLE NEURAL NETWORK USING LOCALIZED GENERALIZATION ERROR MODEL. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2008 , 22, 137-151	1.1	3
51	Bootstrap dual complementary hashing with semi-supervised re-ranking for image retrieval. <i>Neurocomputing</i> , 2020 , 379, 103-116	5.4	3
50	A stochastic sensitivity-based multi-objective optimization method for short-term wind speed interval prediction. <i>International Journal of Machine Learning and Cybernetics</i> , 2021 , 12, 2579-2590	3.8	3
49	LiSSA: Localized Stochastic Sensitive Autoencoders. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2748-2760.	6.2	3
48	A Gesture and Speech-guided Robot Teleoperation Method Based on Mobile Interaction with Unrestricted Force Feedback. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	3
47	A Deep Clustering via Automatic Feature Embedded Learning for Human Activity Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	3
46	Incremental hashing with sample selection using dominant sets. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 2689-2702	3.8	2

45	Dual Denoising Autoencoder Features for Imbalance Classification Problems 2017 ,		2
44	Human action recognition using action bank and RBFNN trained by L-GEM 2014 ,		2
43	Comparision of different classifiers in fault detection in microgrid 2011 ,		2
42	Video shot boundary detection using RBFNN minimizing the L-GEM 2010 ,		2
41	L-GEM based RBFNN for news anchorperson detection with Dominant Color Descriptor 2010 ,		2
40	A novel gradient synthesis-based illumination formalization method for face recognition under varying lighting conditions 2010 ,		2
39	Empirical study on the architecture selection of RBFNN using L-GEM for multi-class problems 2011 ,		2
38	Sensitivity based Growing and Pruning method for RBF network in online learning environments 2011 ,		2
37	Social relationship discovery and face annotation in personal photo collection 2011 ,		2
36	THE LOCALIZED GENERALIZATION ERROR MODEL FOR SINGLE LAYER PERCEPTRON NEURAL NETWORK AND SIGMOID SUPPORT VECTOR MACHINE. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2008 , 22, 121-135	1.1	2
35	Bankruptcy Prediction Using Multiple Intelligent Agent System via a Localized Generalization Error Approach 2007 ,		2
34	Two-Echelon Dispatching Problem With Mobile Satellites in City Logistics. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-13	6.1	2
33	HELP: An LSTM-based approach to hyperparameter exploration in neural network learning. <i>Neurocomputing</i> , 2021 , 442, 161-172	5.4	2
32	Effects of different base classifiers to Learn++ family algorithms for concept drifting and imbalanced pattern classification problems 2016 ,		2
31	Semi-supervised online hashing 2016 ,		2
30	An automatic framework for perioperative risks classification from retinal images of complex congenital heart disease patients. <i>International Journal of Machine Learning and Cybernetics</i> ,1	3.8	2
29	A study of influence between digital watermarking and steganography 2013 ,		1
28	Visual words selection for human action recognition using rbfnn via the minimization of L-GEM 2017 ,		1

27	Effects of double JPEG compression on steganalysis 2012,		1
26	Feature weighting based on L-GEM 2010,		1
25	RFID reader deployment using RBFNN with L-GEM 2010,		1
24	Anti-spoofing system for RFID access control combining with face recognition 2010,		1
23	Blind steganalysis with high generalization capability for different image databases using L-GEM 2011,		1
22	Image segmentation with color and texture using RBFNN minimizing the L-GEM 2009,		1
21	L-GEM based MCS aided candlestick pattern investment strategy in the Shenzhen stock market 2009,		1
20	A novel defend against good word attacks 2011,		1
19	A survey of the initialization of centers and widths in radial basis function network for classification 2011,		1
18	Dynamic base classifier pool for classifier selection in Multiple Classifier Systems 2011,		1
17	Prediction of chaotic time series using L-GEM based RBFNN 2009,		1
16	An experimental study on the selection of Q-value for the L-GEM 2009,		1
15	Video text detection and localization based on localized generalization error model 2010,		1
14	Multi-Objective Two-Echelon City Dispatching Problem With Mobile Satellites and Crowd-Shipping. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-14	6.1	1
13	Minority Oversampling Using Sensitivity 2020,		1
12	Incremental Hashing with Undersampling 2019,		1
11	Causative label flip attack detection with data complexity measures. <i>International Journal of Machine Learning and Cybernetics</i> , 2021 , 12, 103-116	3.8	1
10	Incremental Hashing with Dynamic Semantic Pool 2018,		1

9	Dynamic Incremental Ensemble Fuzzy Classifier for Data Streams in Green Internet of Things. <i>IEEE Transactions on Green Communications and Networking</i> , 2022 , 1-1	4	1
8	Ensembling perturbation-based oversamplers for imbalanced datasets. <i>Neurocomputing</i> , 2022 , 479, 1-115.4	15.4	0
7	Concept Preserving Hashing for Semantic Image Retrieval With Concept Drift. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 5184-5197	10.2	0
6	Within-class multimodal classification. <i>Multimedia Tools and Applications</i> , 2020 , 79, 29327-29352	2.5	0
5	Bit-wise attention deep complementary supervised hashing for image retrieval. <i>Multimedia Tools and Applications</i> , 1	2.5	0
4	An improved group theory-based optimization algorithm for discounted 0-1 knapsack problem. <i>Advances in Computational Intelligence</i> , 2021 , 1, 1		0
3	Color Distribution Pattern Metric for Person Reidentification. <i>Wireless Communications and Mobile Computing</i> , 2017 , 2017, 1-11	1.9	
2	Robust Neural Networks Learning via a Minimization of Stochastic Output Sensitivity. <i>IEEE Access</i> , 2020 , 8, 205455-205466	3.5	
1	Stochastic Sensitivity Tree Boosting for Imbalanced Prediction Problems of Protein-Ligand Interaction Sites. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 1-11	4.1	