

# Yuhua Li

## List of Publications by Year in descending order

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56  
papers

3,169  
citations

304368

22  
h-index

377514

34  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2453  
citing authors

#	ARTICLE	IF	CITATIONS
1	An approach for measuring semantic similarity between words using multiple information sources. IEEE Transactions on Knowledge and Data Engineering, 2003, 15, 871-882.	4.0	841
2	Sentence similarity based on semantic nets and corpus statistics. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 1138-1150.	4.0	588
3	A review of learning in biologically plausible spiking neural networks. Neural Networks, 2020, 122, 253-272.	3.3	199
4	The measurement of instantaneous angular speed. Mechanical Systems and Signal Processing, 2005, 19, 786-805.	4.4	131
5	Selecting Critical Patterns Based on Local Geometrical and Statistical Information. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1189-1201.	9.7	109
6	Forecasting price movements using technical indicators: Investigating the impact of varying input window length. Neurocomputing, 2017, 264, 71-88.	3.5	99
7	An experimental evaluation of novelty detection methods. Neurocomputing, 2014, 135, 313-327.	3.5	96
8	Feature selection for high-dimensional machinery fault diagnosis data using multiple models and Radial Basis Function networks. Neurocomputing, 2011, 74, 2941-2952.	3.5	86
9	Adaptive learning with covariate shift-detection for motor imagery-based brain-computer interface. Soft Computing, 2016, 20, 3085-3096.	2.1	84
10	An investigation of the effects of measurement noise in the use of instantaneous angular speed for machine diagnosis. Mechanical Systems and Signal Processing, 2006, 20, 1444-1460.	4.4	81
11	DL-ReSuMe: A Delay Learning-Based Remote Supervised Method for Spiking Neurons. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3137-3149.	7.2	69
12	EWMA model based shift-detection methods for detecting covariate shifts in non-stationary environments. Pattern Recognition, 2015, 48, 659-669.	5.1	67
13	Adaptive Hidden Markov Model With Anomaly States for Price Manipulation Detection. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 318-330.	7.2	66
14	Selecting training points for one-class support vector machines. Pattern Recognition Letters, 2011, 32, 1517-1522.	2.6	61
15	A Supervised Learning Algorithm for Learning Precise Timing of Multiple Spikes in Multilayer Spiking Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5394-5407.	7.2	59
16	Online traffic-aware fault detection for networks-on-chip. Journal of Parallel and Distributed Computing, 2014, 74, 1984-1993.	2.7	44
17	Improving the performance of radial basis function classifiers in condition monitoring and fault diagnosis applications where 'unknown' faults may occur. Pattern Recognition Letters, 2002, 23, 569-577.	2.6	43
18	Fault-Tolerant Networks-on-Chip Routing With Coarse and Fine-Grained Look-Ahead. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2016, 35, 260-273.	1.9	43

#	ARTICLE	IF	CITATIONS
19	Low cost fault-tolerant routing algorithm for Networks-on-Chip. Microprocessors and Microsystems, 2015, 39, 358-372.	1.8	42
20	A validated model for the prediction of rotor bar failure in squirrel-cage motors using instantaneous angular speed. Mechanical Systems and Signal Processing, 2006, 20, 1572-1589.	4.4	39
21	Evaluation of Sampling Methods for Learning from Imbalanced Data. Lecture Notes in Computer Science, 2013, , 392-401.	1.0	27
22	Detecting Wash Trade in Financial Market Using Digraphs and Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2351-2363.	7.2	23
23	Novelty Detection Using Level Set Methods. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 576-588.	7.2	22
24	Quantitative analysis of breast cancer diagnosis using a probabilistic modelling approach. Computers in Biology and Medicine, 2018, 92, 168-175.	3.9	21
25	Dataset Shift Detection in Non-stationary Environments Using EWMA Charts. , 2013, , .		19
26	Detecting price manipulation in the financial market. , 2014, , .		18
27	Adaptive learning with covariate shift-detection for non-stationary environments. , 2014, , .		14
28	Pre-processing online financial text for sentiment classification: A natural language processing approach. , 2014, , .		14
29	Forecasting stock price directional movements using technical indicators: Investigating window size effects on one-step-ahead forecasting. , 2014, , .		14
30	Portrait style transfer using deep convolutional neural networks and facial segmentation. Computers and Electrical Engineering, 2020, 85, 106655.	3.0	12
31	Applying MLP and RBF classifiers in embedded condition monitoring and fault diagnosis systems. Transactions of the Institute of Measurement and Control, 2001, 23, 315-343.	1.1	11
32	Computational intelligent hybrid model for detecting disruptive trading activity. Decision Support Systems, 2017, 93, 26-41.	3.5	11
33	Multi-DL-ReSuMe: Multiple neurons Delay Learning Remote Supervised Method. , 2015, , .		10
34	Coarse and fine identification of collusive clique in financial market. Expert Systems With Applications, 2017, 69, 225-238.	4.4	10
35	EWMA Based Two-Stage Dataset Shift-Detection in Non-stationary Environments. IFIP Advances in Information and Communication Technology, 2013, , 625-635.	0.5	10
36	Constructing minimum volume surfaces using level set methods for novelty detection. , 2012, , .		8

#	ARTICLE	IF	CITATIONS
37	A Hidden Markov Model with Abnormal States for Detecting Stock Price Manipulation. , 2013, , .		8
38	Detecting wash trade in the financial market. , 2014, , .		8
39	Online fault detection for Networks-on-Chip interconnect. , 2014, , .		7
40	Low Overhead Monitor Mechanism for Fault-Tolerant Analysis of NoC. , 2014, , .		6
41	Learning with covariate shift-detection and adaptation in non-stationary environments: Application to brain-computer interface. , 2015, , .		6
42	A hybrid forecasting approach using ARIMA models and self-organising fuzzy neural networks for capital markets. , 2013, , .		5
43	Covariate shift-adaptation using a transductive learning model for handling non-stationarity in EEG based brain-computer interfaces. , 2014, , .		5
44	Measuring Semantic Similarity Between Words Using Lexical Knowledge and Neural Networks. Lecture Notes in Computer Science, 2002, , 111-116.	1.0	4
45	A locally adaptive boundary evolution algorithm for novelty detection using level set methods. , 2014, , .		4
46	Bio-inspired hierarchical framework for multi-view face detection and pose estimation. , 2015, , .		3
47	Feature Importance Analysis for Customer Management of Insurance Products. , 2021, , .		3
48	Multi-agent pre-trade analysis acceleration in FPGA. , 2014, , .		2
49	A comparison of forecasting approaches for capital markets. , 2014, , .		2
50	A Hybrid Model with a Weighted Voting Scheme for Feature Selection in Machinery Condition Monitoring. , 2007, , .		1
51	A surface representation approach for novelty detection. , 2008, , .		1
52	A novel feature selection algorithm for high-dimensional condition monitoring data. International Journal of Condition Monitoring, 2011, 1, 33-43.	0.1	1
53	Novelty Detection Using Level Set Methods with Adaptive Boundaries. , 2013, , .		1
54	Fine-Grained Fault-Tolerant Adaptive Routing for Networks-on-Chip. Lecture Notes in Computer Science, 2015, , 492-505.	1.0	1

#	ARTICLE	IF	CITATIONS
55	Bio-Inspired Hybrid Framework for Multi-view Face Detection. Lecture Notes in Computer Science, 2015, , 232-239.	1.0	1
56	Sentiment Classification in the Financial Domain Using? SVM and Multi-Objective Optimisation. , 2015, , .		0