Shie-Jue Lee

List of Publications by Year
in descending order

118	1,889	304743	276875
papers	citations	22 h-index	41 g-index

118	118	118	1587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Similarity Measure for Text Classification and Clustering. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1575-1590.	5.7	217
2	A multiple-kernel support vector regression approach for stock market price forecasting. Expert Systems With Applications, 2011, 38, 2177-2186.	7.6	209
3	A neuro-fuzzy system modeling with self-constructing rule generation and hybrid SVD-based learning. IEEE Transactions on Fuzzy Systems, 2003, 11, 341-353.	9.8	134
4	A Fuzzy Self-Constructing Feature Clustering Algorithm for Text Classification. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 335-349.	5.7	126
5	An Enhanced Type-Reduction Algorithm for Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2011, 19, 227-240.	9.8	108
6	A clustering based approach to improving the efficiency of collaborative filtering recommendation. Electronic Commerce Research and Applications, 2016, 18, 1-9.	5.0	87
7	A weighted LS-SVM based learning system for time series forecasting. Information Sciences, 2015, 299, 99-116.	6.9	84
8	A TSK-Type Neurofuzzy Network Approach to System Modeling Problems. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 751-767.	5.0	71
9	Application of type-2 neuro-fuzzy modeling in stock price prediction. Applied Soft Computing Journal, 2012, 12, 1348-1358.	7.2	68
10	Employing multiple-kernel support vector machines for counterfeit banknote recognition. Applied Soft Computing Journal, 2011, 11, 1439-1447.	7.2	55
11	Air quality prediction by neuro-fuzzy modeling approach. Applied Soft Computing Journal, 2020, 86, 105898.	7.2	44
12	Network intrusion detection using equality constrained-optimization-based extreme learning machines. Knowledge-Based Systems, 2018, 147, 68-80.	7.1	42
13	A neural-fuzzy system for congestion control in ATM networks. IEEE Transactions on Systems, Man, and Cybernetics, 2000, 30, 2-9.	5.0	39
14	Data-Based System Modeling Using a Type-2 Fuzzy Neural Network With a Hybrid Learning Algorithm. IEEE Transactions on Neural Networks, 2011, 22, 2296-2309.	4.2	38
15	Multilabel Text Categorization Based on Fuzzy Relevance Clustering. IEEE Transactions on Fuzzy Systems, 2014, 22, 1457-1471.	9.8	33
16	Time series forecasting with a neuro-fuzzy modeling scheme. Applied Soft Computing Journal, 2015, 32, 481-493.	7.2	33
17	Deriving minimal conflict sets by CS-trees with mark set in diagnosis from first principles. IEEE Transactions on Systems, Man, and Cybernetics, 1999, 29, 281-286.	5.0	31
18	Automated ECG classification based on 1D deep learning network. Methods, 2022, 202, 127-135.	3.8	28

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19	Enhanced high-level Petri nets with multiple colors for knowledge verification/validation of rule-based expert systems. IEEE Transactions on Systems, Man, and Cybernetics, 1997, 27, 760-773.	5.0	27
20	Dimensionality reduction by feature clustering for regression problems. Information Sciences, 2015, 299, 42-57.	6.9	27
21	Employing local modeling in machine learning based methods for time-series prediction. Expert Systems With Applications, 2015, 42, 341-354.	7.6	27
22	A Fast Method for Computing the Centroid of a Type-2 Fuzzy Set. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 764-777.	5.0	26
23	A neuro-fuzzy approach for segmentation of human objects in image sequences. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 420-437.	5.0	24
24	BOOSTING ONE-CLASS SUPPORT VECTOR MACHINES FOR MULTI-CLASS CLASSIFICATION. Applied Artificial Intelligence, 2009, 23, 297-315.	3.2	19
25	An efficient multiple-kernel learning for pattern classification. Expert Systems With Applications, 2013, 40, 3491-3499.	7.6	18
26	An Extended Type-Reduction Method for General Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2017, 25, 715-724.	9.8	18
27	A JPEG Chip for Image Compression and Decompression. Journal of Signal Processing Systems, 2003, 35, 43-60.	1.0	16
28	Weighted word2vec based on the distance of words. , 2017, , .		13
29	General type-2 fuzzy neural network with hybrid learning for function approximation. , 2009, , .		12
30	Using word semantic concepts for plagiarism detection in text documents. Information Retrieval, 2021, 24, 298-321.	2.0	12
31	A similarity measure for text processing. , 2011, , .		11
32	A novel recommender system for E-commerce. , 2017, , .		10
33	k-NN Based Neuro-fuzzy System for Time Series Prediction. , 2013, , .		9
34	A token-flow paradigm for verification of rule-based expert systems. IEEE Transactions on Systems, Man, and Cybernetics, 2000, 30, 616-624.	5.0	8
35	A Fuzzy Similarity-Based Approach for Multi-label Document Classification. , 2009, , .		8
36	Improving the efficiency of a hyperlinking-based theorem prover by incremental evaluation with network structures. Journal of Automated Reasoning, 1994, 12, 359-388.	1.4	7

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37	A Kernel-Based Fuzzy Clustering Algorithm. , 0, , .		7
38	An oblique elliptical basis function network approach for supervised learning applications. Applied Soft Computing Journal, 2017, 60, 552-563.	7.2	7
39	Leveraging User Comments for Recommendation in E-Commerce. Applied Sciences (Switzerland), 2020, 10, 2540.	2.5	7
40	Pattern fusion in feature recognition neural networks for handwritten character recognition. IEEE Transactions on Systems, Man, and Cybernetics, 1998, 28, 612-617.	5.0	6
41	Constructing neural networks for multiclass-discretization based on information entropy. IEEE Transactions on Systems, Man, and Cybernetics, 1999, 29, 445-453.	5.0	6
42	An Iterative Divide-and-Merge-Based Approach for Solving Large-Scale Least Squares Problems. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 428-438.	5.6	6
43	Time series forecasting based on weighted clustering. , 2017, , .		6
44	Learning of Kernel Functions in Support Vector Machines. , 2006, , .		5
45	Multi-Kernel Support Vector Clustering for Multi-Class Classification. , 2008, , .		5
46	Cascading global and local features for face recognition using support vector machines and local ternary patterns. , 2017, , .		5
47	Exploiting exercise electrocardiography to improve early diagnosis of atrial fibrillation with deep learning neural networks. Computers in Biology and Medicine, 2022, 146, 105584.	7.0	5
48	An improved learning algorithm for rule refinement in neuro-fuzzy modeling. , 0, , .		4
49	Mining Calendar-Based Asynchronous Periodical Association Rules with Fuzzy Calendar Constraints. , 0, , .		4
50	A Weight-based Feature Extraction Approach for Text Classification. , 2007, , .		4
51	MIKM: A mutual information-based K-medoids approach for feature selection. , 2011, , .		4
52	Analytical method for solving max-min inverse fuzzy relation. Fuzzy Sets and Systems, 2022, 440, 21-41.	2.7	4
53	An extended procedure of constructing neural networks for supervised dichotomy. IEEE Transactions on Systems, Man, and Cybernetics, 1996, 26, 660-665.	5.0	3
54	A neural network model for spoken word recognition. , 0, , .		3

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55	A Model-Based Diagnosis System for Identifying Faulty Components in Digital Circuits. Applied Intelligence, 1999, 10, 37-52.	5.3	3
56	Parallelization of a Hyper-Linkingâ€“Based Theorem Prover. Journal of Automated Reasoning, 2001, 26, 67-106.	1.4	3
57	A Kernel-Based Two-Stage Nu-Support Vector Clustering Algorithm. , 2007, , .		3
58	Applying soft computing for forecasting chaotic time series. , 2008, , .		3
59	Fuzzy clustering with principal component analysis. , 2010, , .		3
60	Modified Multivalued Neuron With Periodic Tolerant Activation Function. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1645-1658.	11.3	3
61	Pattern Classification Based on RBF Networks with Self-Constructing Clustering and Hybrid Learning. Applied Sciences (Switzerland), 2020, 10, 5886.	2.5	3
62	A hybrid algorithm for structure identification of neuro-fuzzy modeling. , 0, , .		2
63	A modified Distributed Coordination Function for real-time traffic in IEEE 802.11 wireless LAN. , 0, , .		2
64	A neuro-fuzzy approach for multiple human objects segmentation. , 0, , .		2
65	An efficient algorithm to discover calendar-based temporal association rules. , 0, , .		2
66	A Confidence-Based Hierarchical Feature Clustering Algorithm for Text Classification. , 2007, , .		2
67	Constructing Fuzzy Controllers Based on Reinforcement Learning. , 2007, , .		2
68	Improving efficiency of multi-kernel learning for support vector machines. , 2008, , .		2
69	Novel imputation for time series data. , 2015, , .		2
70	Recursive SVD-based fuzzy extreme learning machine. , 2017, , .		2
71	A neural-fuzzy system for rate-based control in ATM networks. , 0, , .		1
72	An improved path sensitization method in test pattern generation for combinational circuits. , 0, , .		1

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73	On parallelism of hyper-linking theorem proving: a preliminary report. , 0, , .		1
74	A handwritten Chinese character recognition system based on neural-fuzzy theory. , 0, , .		1
75	Inference and improper knowledge detection on fuzzy rules with enhanced high-level fuzzy Petri nets. , 0, , .		1
76	An improved TSK-type recurrent fuzzy network for dynamic system identification. , 0, , .		1
77	Fuzzy calendar algebra and its applications to data mining. , 2004, , .		1
78	An Improved Fuzzy Genetics-Based Machine Learning Algorithm for Pattern Classification. , 2007, , .		1
79	VECTOR QUANTIZATION OF IMAGES USING A FUZZY CLUSTERING METHOD. Cybernetics and Systems, 2007, 39, 45-60.	2.5	1
80	Applying Discriminant Functions with One-Class SVMS for Multi-Class Classification. , 2007, , .		1
81	A Mixture Approach for Multi-Label Document Classification. , 2010, , .		1
82	Neuro-fuzzy based multi-step-ahead prediction. , 2012, , .		1
83	A comparison of approaches for dealing with missing values. , 2012, , .		1
84	A Comparative Study on Clustering Algorithms. , 2013, , .		1
85	Adaptive Distance-Based Voting Classification. , 2013, , .		1
86	A neuro-fuzzy based method for TAIEX forecasting. , 2014, , .		1
87	Temporal prediction using self-organizing multilayer perceptron. , 2014, , .		1
88	Improving efficiency of recommender systems. , 2015, , .		1
89	Intelligent Neural Network Schemes for Multi-Class Classification. Applied Sciences (Switzerland), 2019, 9, 4036.	2.5	1
90	Weighted z-Distance-Based Clustering and Its Application to Time-Series Data. Applied Sciences (Switzerland), 2019, 9, 5469.	2.5	1

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91	An autonomous multistrategy theorem proving system using knowledge-based techniques. Journal of Intelligent Information Systems, 1994, 3, 89-117.	3.9	0
92	An implementation of the Davis-Putnam procedure using network structures. , 0, , .		0
93	An improvement to Hou's approach of deriving minimal conflict sets. , 0, , .		0
94	EXPIDER: an object-based expert system for VLSI channel routing. , 0, , .		0
95	An extended system for conceptual clustering. Applied Artificial Intelligence, 2000, 14, 943-965.	3.2	0
96	A self-constructed radial basis function neural network and its applications. , 0, , .		0
97	Construction of neural networks on structured domains. , 0, , .		0
98	Constructing neuro-fuzzy systems with TSK fuzzy rules and hybrid SVD-based learning. , 0, , .		0
99	An adaptive neuro-fuzzy approach for system modeling. , 0, , .		0
100	A general mining method for incremental updation in large databases. , 0, , .		0
101	Learning of Kernel Functions in Support Vector Machines. , 0, , .		0
102	Estimating Parameters of Kernel Functions in Support Vector Learning. , 2006, , .		0
103	SEGMENTATION OF MULTIPLE HUMAN OBJECTS IN VIDEO SEQUENCES. Applied Artificial Intelligence, 2007, 21, 831-859.	3.2	0
104	Exploring friendships in blogosphere by finding 1.5-cliques. , 2008, , .		0
105	A distributional similarity measure for query-dependent ranking in web mining. , 2010, , .		0
106	A fuzzy tolerating mechanism for the multivalued Neuron. , 2012, , .		0
107	Multi-values neuron with periodic tolerant activation function. , 2012, , .		0
108	Multi-valued neuron with new learning schemes. , 2013, , .		0

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109	Modified learning for discrete multi-valued neuron. , 2013, , .		0
110	Community detection with punished similarity. , 2013, , .		0
111	A modified scheme for all-pairs evolving fuzzy classifiers. , 2014, , .		0
112	Using personal preference in calculating rating scores for recommendations. , 2016, , .		0
113	Track model regression using genetic expression programming for visual-based path-following of mobile robots. , 2016, , .		0
114	Copy detection for digital documents. , 2017, , .		0
115	A RBF Network Approach for Function Approximation. , 2018, , .		0
116	A LVQ-Based Identification System for Pathological Brain Aging Diseases. , 2019, , .		0
117	Morphological decomposition of arbitrarily shaped images. , 0, , .		0
118	Constructing Fuzzy Controllers Based on Reinforcement Learning. , 2007, , .		0