Ping-Feng Pai

List of Publications by Year
in descending order

77 papers	3,522 citations	201385 27 h-index	138251 58 g-index
81 all docs	81 docs citations	81 times ranked	2838 citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid ARIMA and support vector machines model in stock price forecasting. Omega, 2005, 33, 497-505.	3.6	659
2	Support vector machines with simulated annealing algorithms in electricity load forecasting. Energy Conversion and Management, 2005, 46, 2669-2688.	4.4	328
3	Forecasting regional electricity load based on recurrent support vector machines with genetic algorithms. Electric Power Systems Research, 2005, 74, 417-425.	2.1	328
4	Software reliability forecasting by support vector machines with simulated annealing algorithms. Journal of Systems and Software, 2006, 79, 747-755.	3.3	164
5	Sustainable supply chain management using approximate fuzzy DEMATEL method. Resources, Conservation and Recycling, 2018, 128, 134-142.	5.3	148
6	System reliability forecasting by support vector machines with genetic algorithms. Mathematical and Computer Modelling, 2006, 43, 262-274.	2.0	118
7	An Improved Neural Network Model in Forecasting Arrivals. Annals of Tourism Research, 2005, 32, 1138-1141.	3.7	100
8	A Survey of Machine Learning Models in Renewable Energy Predictions. Applied Sciences (Switzerland), 2020, 10, 5975.	1.3	99
9	Time series forecasting by a seasonal support vector regression model. Expert Systems With Applications, 2010, 37, 4261-4265.	4.4	95
10	Potential assessment of the support vector regression technique in rainfall forecasting. Water Resources Management, 2007, 21, 495-513.	1.9	91
11	Solar power output forecasting using evolutionary seasonal decomposition least-square support vector regression. Journal of Cleaner Production, 2016, 134, 456-462.	4.6	89
12	Predicting engine reliability by support vector machines. International Journal of Advanced Manufacturing Technology, 2006, 28, 154-161.	1.5	84
13	A support vector machine-based model for detecting top management fraud. Knowledge-Based Systems, 2011, 24, 314-321.	4.0	84
14	Tourism demand forecasting using novel hybrid system. Expert Systems With Applications, 2014, 41, 3691-3702.	4.4	81
15	Forecasting concentrations of air pollutants by logarithm support vector regression with immune algorithms. Applied Mathematics and Computation, 2011, 217, 5318-5327.	1.4	76
16	Predicting Vehicle Sales by Sentiment Analysis of Twitter Data and Stock Market Values. IEEE Access, 2018, 6, 57655-57662.	2.6	74
17	Revenue forecasting using a least-squares support vector regression model in a fuzzy environment. Information Sciences, 2013, 220, 196-209.	4.0	63
18	A recurrent support vector regression model in rainfall forecasting. Hydrological Processes, 2007, 21, 819-827.	1.1	62

#	ARTICLE	IF	CITATIONS
19	Heuristic PAC model for hybrid MTO and MTS production environment. International Journal of Production Economics, 2003, 85, 347-358.	5.1	53
20	An Integrated Methodology using Linguistic PROMETHEE and Maximum Deviation Method for Third-party Logistics Supplier Selection. International Journal of Computational Intelligence Systems, 2010, 3, 438-451.	1.6	47
21	Hybrid ellipsoidal fuzzy systems in forecasting regional electricity loads. Energy Conversion and Management, 2006, 47, 2283-2289.	4.4	46
22	Deep Belief Networks With Genetic Algorithms in Forecasting Wind Speed. IEEE Access, 2019, 7, 99244-99253.	2.6	44
23	Using Machine Learning Models and Actual Transaction Data for Predicting Real Estate Prices. Applied Sciences (Switzerland), 2020, 10, 5832.	1.3	42
24	Analyzing basketball games by a support vector machines with decision tree model. Neural Computing and Applications, 2017, 28, 4159-4167.	3.2	40
25	A simulation of vendor managed inventory dynamics using fuzzy arithmetic operations with genetic algorithms. Expert Systems With Applications, 2010, 37, 2571-2579.	4.4	38
26	Using support vector machines to forecast the production values of the machinery industry in Taiwan. International Journal of Advanced Manufacturing Technology, 2005, 27, 205-210.	1.5	34
27	A fuzzy support vector regression model for business cycle predictions. Expert Systems With Applications, 2010, 37, 5430-5435.	4.4	34
28	A daily production model for wafer fabrication. International Journal of Advanced Manufacturing Technology, 2004, 23, 58-63.	1.5	26
29	Ant colony optimization system for a multi-quantitative and qualitative objective job-shop parallel-machine-scheduling problem. International Journal of Production Research, 2008, 46, 5719-5759.	4.9	26
30	Forecasting output of integrated circuit industry by support vector regression models with marriage honey-bees optimization algorithms. Expert Systems With Applications, 2009, 36, 10746-10751.	4.4	26
31	Rough set theory with discriminant analysis in analyzing electricity loads. Expert Systems With Applications, 2009, 36, 8799-8806.	4.4	24
32	Applying fuzzy arithmetic to the system dynamics for the customerâ€"producerâ€"employment model. International Journal of Systems Science, 2006, 37, 673-698.	3.7	21
33	Credit Rating Analysis by the Decision-Tree Support Vector Machine with Ensemble Strategies. International Journal of Fuzzy Systems, 2015, 17, 521-530.	2.3	17
34	A Rough Set Based Model in Water Quality Analysis. Water Resources Management, 2010, 24, 2405-2418.	1.9	16
35	Using ADABOOST and Rough Set Theory for Predicting Debris Flow Disaster. Water Resources Management, 2014, 28, 1143-1155.	1.9	16
36	Capacitated Lot size problems with fuzzy capacity. Mathematical and Computer Modelling, 2003, 38, 661-669.	2.0	13

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37	Analyzing foreign exchange rates by rough set theory and directed acyclic graph support vector machines. Expert Systems With Applications, 2010, 37, 5993-5998.	4.4	13
38	Combining fuzzy weight average with fuzzy inference system for material substitution selection in electric industry. Computers and Industrial Engineering, 2012, 62, 1034-1045.	3.4	13
39	Forecasting Hotel Room Occupancy Using Long Short-Term Memory Networks with Sentiment Analysis and Scores of Customer Online Reviews. Applied Sciences (Switzerland), 2021, 11, 10291.	1.3	13
40	Part-machine family formation using genetic algorithms in a fuzzy environment. International Journal of Advanced Manufacturing Technology, 2005, 25, 1175-1179.	1.5	11
41	Continuous review reorder point problems in a fuzzy environment. International Journal of Advanced Manufacturing Technology, 2003, 22, 436-440.	1.5	10
42	A solution to the stacking sequence of a composite laminate plate with constant thickness using simulated annealing algorithms. International Journal of Advanced Manufacturing Technology, 2005, 26, 499-504.	1.5	10
43	Applying linguistic information and intersection concept to improve effectiveness of multi-criteria decision analysis technology. International Journal of Information Technology and Decision Making, 2014, 13, 291-315.	2.3	10
44	Applying Least Squares Support Vector Regression with Genetic Algorithms for Radio-Wave Path-Loss Prediction in Suburban Environment. Lecture Notes in Electrical Engineering, 2010, , 861-868.	0.3	10
45	A GREY PREDICTION MODEL WITH FACTOR ANALYSIS TECHNIQUE. Journal of the Chinese Institute of Industrial Engineers, 2004, 21, 535-542.	0.5	9
46	Application of Hybrid Learning Neural Fuzzy Systems in Reliability Prediction. Quality and Reliability Engineering International, 2006, 22, 199-211.	1.4	9
47	Incorporating support vector machines with multiple criteria decision making for financial crisis analysis. Quality and Quantity, 2013, 47, 3481-3492.	2.0	9
48	The Use of Convolutional Neural Networks and Digital Camera Images in Cataract Detection. Electronics (Switzerland), 2022, 11, 887.	1.8	9
49	Analyzing academic achievement of junior high school students by an improved rough set model. Computers and Education, 2010, 54, 889-900.	5.1	7
50	A group decision classifier with particle swarm optimization and decision tree for analyzing achievements in mathematics and science. Neural Computing and Applications, 2014, 25, 2011-2023.	3.2	7
51	A hybrid data mining model in analyzing corporate social responsibility. Neural Computing and Applications, 2016, 27, 749-760.	3.2	7
52	Using Internet Search Trends and Historical Trading Data for Predicting Stock Markets by the Least Squares Support Vector Regression Model. Computational Intelligence and Neuroscience, 2018, 2018, 1-15.	1.1	7
53	A fuzzy logic-based approach in capacity-planning problems. International Journal of Advanced Manufacturing Technology, 2004, 23, 806.	1.5	6
54	Continuous Ant Colony Optimization in a SVR Urban Traffic Forecasting Model. , 2007, , 765-773.		6

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55	Highway traffic forecasting by support vector regression model with tabu search algorithms. , 2006, , .		5
56	Enhancing decisions with life cycle analysis for risk management. Neural Computing and Applications, 2014, 24, 1717-1724.	3.2	5
57	An Integrated Methodology using Linguistic PROMETHEE and Maximum Deviation Method for Third-party Logistics Supplier Selection. International Journal of Computational Intelligence Systems, 2010, 3, 438.	1.6	5
58	Improving project-profit prediction using a two-stage forecasting system. Computers and Industrial Engineering, 2013, 66, 800-807.	3.4	4
59	Handling fuzzy decision making problem based on linguistic information and intersection concept. , 2011, , .		3
60	Using the Least Squares Support Vector Regression to Forecast Movie Sales with Data from Twitter and Movie Databases. Symmetry, 2020, 12, 625.	1.1	3
61	Parts clustering by self-organizing map neural network in a fuzzy environment. Computers and Mathematics With Applications, 2001, 42, 179-188.	1.4	2
62	Predicting movement directions of stock index futures by support vector models with data preprocessing. , 2007, , .		2
63	Applying multi-criteria decision classifier in multi-class classification. , 2011, , .		2
64	A RELEVANCE VECTOR MACHINE WITH ROUGH SET THEORY MODEL IN ANALYZING THE LIFE CYCLE OF NEW ECONOMIC FIRMS. Neural Network World, 2013, 23, 571-586.	0.5	2
65	STOCK PRICE FORECASTING IN TAIWAN USING ELLIPSOIDAL FUZZY SYSTEM. Journal of the Chinese Institute of Industrial Engineers, 2004, 21, 146-155.	0.5	1
66	Grey models in seasonal time series forecasting. Journal of Statistics and Management Systems, 2005, 8, 459-476.	0.3	1
67	An improved support vector model in car-rental revenue forecast. Journal of Statistics and Management Systems, 2007, 10, 427-437.	0.3	1
68	Image enhancement of shoulder magnetic resonance imaging in rotator cuff injury diagnosis. Journal of the Chinese Institute of Industrial Engineers, 2012, 29, 87-97.	0.5	1
69	Extending the strategy game from multi-criteria considerations with linguistic variables. , 2013, , .		1
70	Hybrid learning fuzzy neural models in stock price forecasting. Journal of Information and Optimization Sciences, 2005, 26, 495-508.	0.2	0
71	Highway traffic forecasting by support vector regression model with tabu search algorithms. , 0, , .		0
72	Composite of support vector regression and evolutionary algorithms in car-rental revenue forecasting. , 2007, , .		0

#	Article	IF	Citations
73	Diagnosing Faulty Products in TFT-LCD Manufacturing Processes by Support Vector Machines with Principal Components Analysis. , 2009, , .		0
74	Management of Wireless Local Area Networks by Artificial Neural Networks with Principal Components Analysis. , 2009, , .		0
75	Developing kernel intuitionistic fuzzy c-means clustering for e-learning customer analysis. , 2012, , .		0
76	OPERATIONS RESEARCH IN THE DESIGN OF CELL FORMATION IN CELLULAR MANUFACTURING SYSTEMS. , 2002, , 443-483.		0
77	Feasibility Assessment of Support Vector Regression Models with Immune Algorithms in Predicting Fatigue Life of Composites. , 0, , .		0