

Chi-Jie Lu

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,926
citations

236612

25
h-index

174990

52
g-index

81
all docs

81
docs citations

81
times ranked

2086
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of Decision Tree Algorithms for Supporting the Prediction of Intensive Care Unit Admission of Myasthenia Gravis: A Machine Learning-Based Approach. <i>Journal of Personalized Medicine</i> , 2022, 12, 32.	1.1	17
2	An Interval-Valued Time Series Forecasting Scheme With Probability Distribution Features for Electric Power Generation Prediction. <i>IEEE Access</i> , 2022, 10, 6417-6429.	2.6	3
3	Assessing the Impact of Aviation Noise on Housing Prices Using New Estimated Noise Value: The Case of Taiwan Taoyuan International Airport. <i>Sustainability</i> , 2022, 14, 1713.	1.6	5
4	Impact of carbon emission policy combinations on the optimal production-inventory decisions for deteriorating items. <i>Expert Systems With Applications</i> , 2022, 201, 117234.	4.4	17
5	Important Risk Factors in Patients with Nonvalvular Atrial Fibrillation Taking Dabigatran Using Integrated Machine Learning Scheme—A Post Hoc Analysis. <i>Journal of Personalized Medicine</i> , 2022, 12, 756.	1.1	13
6	Comparing Multiple Linear Regression and Machine Learning in Predicting Diabetic Urine Albumin—Creatinine Ratio in a 4-Year Follow-Up Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 3661.	1.0	7
7	Prevalence and Risk Factors of Metabolic Syndrome among the Homeless in Taipei City: A Cross-Sectional Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1716.	1.2	3
8	Associations of sleep duration with physical fitness performance and self-perception of health: a cross-sectional study of Taiwanese adults aged 23–45. <i>BMC Public Health</i> , 2021, 21, 594.	1.2	3
9	Hybrid Basketball Game Outcome Prediction Model by Integrating Data Mining Methods for the National Basketball Association. <i>Entropy</i> , 2021, 23, 477.	1.1	13
10	Improving Sports Outcome Prediction Process Using Integrating Adaptive Weighted Features and Machine Learning Techniques. <i>Processes</i> , 2021, 9, 1563.	1.3	5
11	Comparison of Different Machine Learning Classifiers for Glaucoma Diagnosis Based on Spectralis OCT. <i>Diagnostics</i> , 2021, 11, 1718.	1.3	20
12	Demand Forecasting for Multichannel Fashion Retailers by Integrating Clustering and Machine Learning Algorithms. <i>Processes</i> , 2021, 9, 1578.	1.3	12
13	Clinical Predictors of Prolonged Hospital Stay in Patients with Myasthenia Gravis: A Study Using Machine Learning Algorithms. <i>Journal of Clinical Medicine</i> , 2021, 10, 4393.	1.0	15
14	Evaluating the Effect of Topical Atropine Use for Myopia Control on Intraocular Pressure by Using Machine Learning. <i>Journal of Clinical Medicine</i> , 2021, 10, 111.	1.0	28
15	Health Data-Driven Machine Learning Algorithms Applied to Risk Indicators Assessment for Chronic Kidney Disease. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 4401-4412.	1.2	17
16	Developing a Stacked Ensemble-Based Classification Scheme to Predict Second Primary Cancers in Head and Neck Cancer Survivors. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12499.	1.2	13
17	The Health Check-Up Data-Analysis for Risk Assessment of Chronic Kidney Disease (CKD) in Taiwan. <i>Studies in Health Technology and Informatics</i> , 2021, 284, 77-79.	0.2	0
18	Forecasting Weekly Influenza Outpatient Visits Using a Two-Dimensional Hierarchical Decision Tree Scheme. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4743.	1.2	14

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19	Risk Prediction for Early Chronic Kidney Disease: Results from an Adult Health Examination Program of 19,270 Individuals. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4973.	1.2	31
20	A Multistage Sustainable Productionâ€“Inventory Model with Carbon Emission Reduction and Price-Dependent Demand under Stackelberg Game. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4878.	1.3	13
21	Stackelberg game approach for sustainable production-inventory model with collaborative investment in technology for reducing carbon emissions. <i>Journal of Cleaner Production</i> , 2020, 270, 121963.	4.6	41
22	The Effects of Daily Sleep Condition on Performances of Physical Fitness among Taiwanese Adults: A Cross-Sectional Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1907.	1.2	3
23	Developing a Novel Machine Learning-Based Classification Scheme for Predicting SPCs in Colorectal Cancer Survivors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1355.	1.3	15
24	Multistage supply chain productionâ€“inventory model with collaborative preservation technology investment. <i>Scientia Iranica</i> , 2020, .	0.3	5
25	Physical Fitness and Happiness Research in Taiwanese Adults. , 2019, , .		0
26	Sales forecasting by combining clustering and machine-learning techniques for computer retailing. <i>Neural Computing and Applications</i> , 2017, 28, 2633-2647.	3.2	44
27	Integration of data mining classification techniques and ensemble learning to identify risk factors and diagnose ovarian cancer recurrence. <i>Artificial Intelligence in Medicine</i> , 2017, 78, 47-54.	3.8	64
28	A hybrid of data mining and ensemble learning forecasting for recurrent ovarian cancer. , 2017, , .		2
29	Applying Two-Stage Neural Network Based Classifiers to the Identification of Mixture Control Chart Patterns for an SPC-EPC Process. <i>Complexity</i> , 2017, 2017, 1-10.	0.9	11
30	A multi-stage control chart pattern recognition scheme based on independent component analysis and support vector machine. <i>Journal of Intelligent Manufacturing</i> , 2016, 27, 653-664.	4.4	31
31	A clustering-based sales forecasting scheme by using extreme learning machine and ensembling linkage methods with applications to computer server. <i>Engineering Applications of Artificial Intelligence</i> , 2016, 55, 231-238.	4.3	33
32	A Clustering-based Sales Forecasting Scheme Using Support Vector Regression for Computer Server. <i>Procedia Manufacturing</i> , 2015, 2, 82-86.	1.9	26
33	Applying Different Independent Component Analysis Algorithms and Support Vector Regression for IT Chain Store Sales Forecasting. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	1
34	A Hybrid Sales Forecasting Scheme by Combining Independent Component Analysis with K-Means Clustering and Support Vector Regression. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	7
35	Hybrid Soft Computing Schemes for the Prediction of Import Demand of Crude Oil in Taiwan. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	0.6	5
36	Sales forecasting of computer products based on variable selection scheme and support vector regression. <i>Neurocomputing</i> , 2014, 128, 491-499.	3.5	92

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37	Application of machine learning to predict the recurrence-proneness for cervical cancer. <i>Neural Computing and Applications</i> , 2014, 24, 1311-1316.	3.2	78
38	Recognition of Concurrent Control Chart Patterns by Integrating ICA and SVM. <i>Applied Mathematics and Information Sciences</i> , 2014, 8, 681-689.	0.7	14
39	A hybrid approach by integrating wavelet-based feature extraction with MARS and SVR for stock index forecasting. <i>Decision Support Systems</i> , 2013, 54, 1228-1244.	3.5	130
40	Hybridizing nonlinear independent component analysis and support vector regression with particle swarm optimization for stock index forecasting. <i>Neural Computing and Applications</i> , 2013, 23, 2417-2427.	3.2	26
41	Incorporating feature selection method into support vector regression for stock index forecasting. <i>Neural Computing and Applications</i> , 2013, 23, 1551-1561.	3.2	26
42	Integration of nonlinear independent component analysis and support vector regression for stock price forecasting. <i>Neurocomputing</i> , 2013, 99, 534-542.	3.5	113
43	A Hybrid ICA-SVM Approach for Determining the Quality Variables at Fault in a Multivariate Process. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-12.	0.6	16
44	Forecasting Computer Products Sales by Integrating Ensemble Empirical Mode Decomposition and Extreme Learning Machine. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-15.	0.6	27
45	Sales forecasting for computer wholesalers: A comparison of multivariate adaptive regression splines and artificial neural networks. <i>Decision Support Systems</i> , 2012, 54, 584-596.	3.5	78
46	Computational Intelligence Approaches for Stock Price Forecasting. , 2012, , .		4
47	An independent component analysis-based disturbance separation scheme for statistical process monitoring. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 561-573.	4.4	15
48	Combining nonlinear independent component analysis and neural network for the prediction of Asian stock market indexes. <i>Expert Systems With Applications</i> , 2012, 39, 4444-4452.	4.4	86
49	An efficient CMAC neural network for stock index forecasting. <i>Expert Systems With Applications</i> , 2011, 38, 15194-15201.	4.4	35
50	Efficiency measurement using independent component analysis and data envelopment analysis. <i>European Journal of Operational Research</i> , 2011, 210, 310-317.	3.5	44
51	Mixture control chart patterns recognition using independent component analysis and support vector machine. <i>Neurocomputing</i> , 2011, 74, 1908-1914.	3.5	64
52	Applying ICA and SVM to Mixture Control Chart Patterns Recognition in a Process. <i>Lecture Notes in Computer Science</i> , 2011, , 278-287.	1.0	1
53	Incorporating Feature Selection Method into Neural Network Techniques in Sales Forecasting of Computer Products. <i>Lecture Notes in Computer Science</i> , 2011, , 246-255.	1.0	2
54	Combining independent component analysis and growing hierarchical self-organizing maps with support vector regression in product demand forecasting. <i>International Journal of Production Economics</i> , 2010, 128, 603-613.	5.1	67

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55	Integrating independent component analysis-based denoising scheme with neural network for stock price prediction. Expert Systems With Applications, 2010, 37, 7056-7064.	4.4	78
56	Combining independent component analysis and support vector machine for identifying fault quality variables in the multivariate process. , 2010, , .		1
57	Recognizing Mixture Control Chart Patterns with Independent Component Analysis and Support Vector Machine. Lecture Notes in Computer Science, 2010, , 426-431.	1.0	4
58	Forecasting Financial Time Series via an Efficient CMAC Neural Network. Lecture Notes in Electrical Engineering, 2010, , 73-82.	0.3	3
59	Sales Forecasting of IT Products Using a Hybrid MARS and SVR Model. , 2010, , .		9
60	Determination of the Fault Quality Variables of a Multivariate Process Using Independent Component Analysis and Support Vector Machine. Lecture Notes in Computer Science, 2010, , 338-349.	1.0	0
61	Empirical Research of Price Discovery for Gold Futures Based on Compound Model Combing Wavelet Frame with Support Vector Regression. Lecture Notes in Computer Science, 2010, , 374-381.	1.0	0
62	Forecasting stock price using Nonlinear independent component analysis and support vector regression. , 2009, , .		5
63	Stock index prediction: A comparison of MARS, BPN and SVR in an emerging market. , 2009, , .		15
64	Application of Independent Component Analysis Preprocessing and Support Vector Regression in Time Series Prediction. , 2009, , .		1
65	Financial time series forecasting using independent component analysis and support vector regression. Decision Support Systems, 2009, 47, 115-125.	3.5	422
66	Applying Classification Problems via a Data Mining Approach Based on a Cerebellar Model Articulation Controller. , 2009, , .		5
67	ICA-Based Signal Reconstruction Scheme with Neural Network in Time Series Forecasting. , 2009, , .		1
68	Integrating Nonlinear Independent Component Analysis and Neural Network in Stock Price Prediction. Lecture Notes in Computer Science, 2009, , 614-623.	1.0	4
69	Behavioral Scoring Model for Bank Customers Using Data Envelopment Analysis. Studies in Computational Intelligence, 2009, , 99-104.	0.7	2
70	Independent component analysis-based defect detection in patterned liquid crystal display surfaces. Image and Vision Computing, 2008, 26, 955-970.	2.7	50
71	Integrated Application of SPC/EPC/ICA and neural networks. International Journal of Production Research, 2008, 46, 873-893.	4.9	30
72	Financial Time Series Forecasting Using a Compound Model Based on Wavelet Frame and Support Vector Regression. , 2008, , .		2

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73	Process disturbance identification using ICA-based image reconstruction scheme with neural network. , 2007, , .		6
74	Integrating ICA and DEA Model for Efficiency Measurement. , 2007, , .		0
75	Mining the customer credit using classification and regression tree and multivariate adaptive regression splines. Computational Statistics and Data Analysis, 2006, 50, 1113-1130.	0.7	311
76	An independent component analysis-based filter design for defect detection in low-contrast surface images. Pattern Recognition, 2006, 39, 1679-1694.	5.1	76
77	Automatic defect inspection for LCDs using singular value decomposition. International Journal of Advanced Manufacturing Technology, 2005, 25, 53-61.	1.5	130
78	Defect inspection of patterned thin film transistor-liquid crystal display panels using a fast sub-image-based singular value decomposition. International Journal of Production Research, 2004, 42, 4331-4351.	4.9	46
79	DATA MINING BY USING THE INTEGRATION OF NEURAL NETWORK AND DISCRIMINANT ANALYSIS. Journal of the Chinese Institute of Industrial Engineers, 2002, 19, 9-22.	0.5	1
80	Credit scoring using the hybrid neural discriminant technique. Expert Systems With Applications, 2002, 23, 245-254.	4.4	266