Chin-Yuan Fan

List of Publications by Year
in descending order

63 papers	**1,675** citations	331259 **21** h-index	315357 **38** g-index
65 all docs	**65** docs citations	**65** times ranked	**1559** citing authors

#	ARTICLE	IF	CITATIONS
1	Patent Technology Networks and Technology Development Trends of Neuromorphic Systems. Lecture Notes in Electrical Engineering, 2019, , 287-297.	0.3	0
2	Consumer driven product technology function deployment using social media and patent mining. Advanced Engineering Informatics, 2018, 36, 120-129.	4.0	33
3	Structural model of patent quality applied to various countries. International Journal of Innovation Science, 2018, 10, 371-384.	1.5	5
4	A patent quality classification model based on an artificial immune system. Soft Computing, 2017, 21, 2847-2856.	2.1	7
5	Scientific or technological driving force? Constructing a system of national innovative capacity. International Journal of Innovation Science, 2017, 9, 170-183.	1.5	3
6	IoT patent roadmap for smart logistic service provision in the context of Industry 4.0. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2017, 40, 593-602.	0.6	85
7	A Study of Patent Analysis for Stock Price Prediction. , 2017, , .		0
8	A new model for measuring the impact of patent value growth trajectory. International Journal of Technology, Policy and Management, 2017, 17, 40.	0.1	0
9	The lifespan of semiconductor patents by assignee and patent characteristics. MATEC Web of Conferences, 2017, 119, 01026.	0.1	0
10	A new model for measuring the impact of patent value growth trajectory. International Journal of Technology, Policy and Management, 2017, 17, 40.	0.1	1
11	Hybrid Clustering System Applied in Patent Quality Management - Take Intelligent Car Industry for Example. , 2016, , .		0
12	Identification of the technology life cycle of telematics: A patent-based analytical perspective. Technological Forecasting and Social Change, 2016, 105, 1-10.	6.2	41
13	A patent quality analysis and classification system using self-organizing maps with support vector machine. Applied Soft Computing Journal, 2016, 41, 305-316.	4.1	71
14	A Hybrid Model Combining SOMs with SVRs for Patent Quality Analysis and Classification. Lecture Notes in Computer Science, 2016, , 262-269.	1.0	0
15	Telematics Technology Development Forecasting: The Patent Analysis and Technology Life Cycle Perspective. Lecture Notes in Electrical Engineering, 2015, , 149-158.	0.3	2
16	Hybrid intelligent patent mapping for offshore wind industry analysis. , 2014, , .		0
17	The practice of non-patent references (NPR) analysis to evaluate the impact of academic journals. , 2014, , .		0
18	Innovation values in the radio frequency identification device industry. , 2014, , .		0

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19	Can the technological impact of academic journals be evaluated? The practice of non-patent reference (NPR) analysis. Scientometrics, 2014, 101, 17-37.	1.6	15
20	Analyzing Offshore Wind Power Patent Portfolios by Using Data Clustering. Industrial Engineering and Management Systems, 2014, 13, 107-115.	0.3	6
21	Intelligent patent recommendation system for innovative design collaboration. Journal of Network and Computer Applications, 2013, 36, 1441-1450.	5.8	49
22	Applying Hybrid-Quantity Analysis in the Asia Semiconductor Industry. International Journal of Automation and Smart Technology, 2013, 3, 143-153.	0.4	1
23	Using system thinking to investigate co-opetition analysis for manufacturers in the cloud industry. , 2012, , .		0
24	Intelligent recommendation methodology and system for patent search. , 2012, , .		7
25	Using hybrid data mining and machine learning clustering analysis to predict the turnover rate for technology professionals. Expert Systems With Applications, 2012, 39, 8844-8851.	4.4	45
26	Applying K-means clustering and technology map in Asia Pacific-semiconductors industry analysis. , 2011, , .		7
27	A hybrid model combining case-based reasoning and fuzzy decision tree for medical data classification. Applied Soft Computing Journal, 2011, 11, 632-644.	4.1	164
28	Trend discovery in financial time series data using a case based fuzzy decision tree. Expert Systems With Applications, 2011, 38, 6070-6080.	4.4	40
29	Monthly electricity demand forecasting based on a weighted evolving fuzzy neural network approach. International Journal of Electrical Power and Energy Systems, 2011, 33, 17-27.	3.3	135
30	A dynamic threshold decision system for stock trading signal detection. Applied Soft Computing Journal, 2011, 11, 3998-4010.	4.1	56
31	Generating artificial chromosomes with probability control in genetic algorithm for machine scheduling problems. Annals of Operations Research, 2010, 180, 197-211.	2.6	19
32	A system dynamics modeling approach for a military weapon maintenance supply system. International Journal of Production Economics, 2010, 128, 457-469.	5.1	36
33	A CBR-based fuzzy decision tree approach for database classification. Expert Systems With Applications, 2010, 37, 214-225.	4.4	51
34	Develop a sub-population Memetic Algorithm for multi-objective scheduling problems. , 2010, , .		0
35	DATABASE CLASSIFICATION BY INTEGRATING A CASE-BASED REASONING AND SUPPORT VECTOR MACHINE FOR INDUCTION. Journal of Circuits, Systems and Computers, 2010, 19, 31-44.	1.0	3
36	Hybrid Self-Organizing Map and Neural Network Clustering Analysis for Technology Professionals Turnover Rate Forecasting. Communications in Computer and Information Science, 2010, , 178-185.	0.4	1

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37	A hybrid electromagnetism-like algorithm for single machine scheduling problem. Expert Systems With Applications, 2009, 36, 1259-1267.	4.4	71
38	Evolving CBR and data segmentation by SOM for flow time prediction in semiconductor manufacturing factory. Journal of Intelligent Manufacturing, 2009, 20, 421-429.	4.4	11
39	A neural network with a case based dynamic window for stock trading prediction. Expert Systems With Applications, 2009, 36, 6889-6898.	4.4	131
40	Data clustering and fuzzy neural network for sales forecasting: A case study in printed circuit board industry. Knowledge-Based Systems, 2009, 22, 344-355.	4.0	100
41	Evolving and clustering fuzzy decision tree for financial time series data forecasting. Expert Systems With Applications, 2009, 36, 3761-3773.	4.4	116
42	Integrating a Piecewise Linear Representation Method and a Neural Network Model for Stock Trading Points Prediction. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 80-92.	3.3	99
43	A Weighted Evolving Fuzzy Neural Network for Electricity Demand Forecasting. , 2009, , .		5
44	Evolving Neural Network with Dynamic Time Warping and Piecewise Linear Representation System for Stock Trading Decision Making. , 2009, , .		2
45	An Ensemble of Neural Networks for Stock Trading Decision Making. Lecture Notes in Computer Science, 2009, , 1-10.	1.0	9
46	Application of a Case Base Reasoning Based Support Vector Machine for Financial Time Series Data Forecasting. Lecture Notes in Computer Science, 2009, , 294-304.	1.0	3
47	A case-based evolutionary model for defect classification of printed circuit board images. Journal of Intelligent Manufacturing, 2008, 19, 203-214.	4.4	36
48	Genetic algorithm integrated with artificial chromosomes for multi-objective flowshop scheduling problems. Applied Mathematics and Computation, 2008, 205, 550-561.	1.4	42
49	Mining gene structures to inject artificial chromosomes for genetic algorithm in single machine scheduling problems. Applied Soft Computing Journal, 2008, 8, 767-777.	4.1	44
50	A Hybrid System Integrating a Wavelet and TSK Fuzzy Rules for Stock Price Forecasting. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 802-815.	3.3	93
51	Integrating a Piecewise Linear Representation Method with Dynamic Time Warping System for Stock Trading Decision Making. , 2008, , .		5
52	A hybrid system by integrating case based reasoning and fuzzy decision tree for financial time series data. , 2008, , .		0
53	Dynamic Diversity Control in Genetic Algorithm for Extended Exploration of Solution Space in Multi-Objective TSP. , 2008, , .		4
54	A Case Based Clustering-Based TSK Fuzzy Rule Systems for Stock Price Forecasting. , 2008, , .		2

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55	Sales forecasting for thin film transistor liquid crystal display products with data clustering and an evolving neural network model. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2008, 222, 625-635.	1.5	3
56	Data Clustering and Evolving Fuzzy Decision Tree for Data Base Classification Problems. Communications in Computer and Information Science, 2008, , 463-470.	0.4	2
57	A System Dynamics Simulation Approach for Military Supply Chain Management. , 2007, , .		1
58	STUDY ON THE COMPETITIVENESS INDICES OF TAIWAN'S DEPARTMENT STORES. Journal of the Chinese Institute of Industrial Engineers, 2007, 24, 414-427.	0.5	2
59	Financial Time Series Data Forecasting by Wavelet and TSK Fuzzy Rule Based System. , 2007, , .		6
60	A Genetic Algorithm with Dominance Properties for Single Machine Scheduling Problems. , 2007, , .		1
61	Data Clustering and Fuzzy Neural Network for Sales Forecasting in Printed Circuit Board Industry. , 2007, , .		0
62	A Genetic Algorithm with Injecting Artificial Chromosomes for Single Machine Scheduling Problems. , 2007, , .		2
63	A Depth-First Mutation-Based Genetic Algorithm for Flow Shop Scheduling Problems. , 2006, , .		0