

Mu-Yen Chen

List of Publications by Year in descending order

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83
papers

2,293
citations

331642

21
h-index

233409

45
g-index

87
all docs

87
docs citations

87
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	A Software Defined Fog Node Based Distributed Blockchain Cloud Architecture for IoT. IEEE Access, 2018, 6, 115-124.	4.2	513
2	A hybrid fuzzy time series model based on granular computing for stock price forecasting. Information Sciences, 2015, 294, 227-241.	6.9	182
3	A hybrid ANFIS model for business failure prediction utilizing particle swarm optimization and subtractive clustering. Information Sciences, 2013, 220, 180-195.	6.9	162
4	Predicting corporate financial distress based on integration of decision tree classification and logistic regression. Expert Systems With Applications, 2011, 38, 11261-11272.	7.6	159
5	Wavelet-Based EEG Processing for Epilepsy Detection Using Fuzzy Entropy and Associative Petri Net. IEEE Access, 2019, 7, 103255-103262.	4.2	131
6	Do virtual reality head-mounted displays make a difference? A comparison of presence and self-efficacy between head-mounted displays and desktop computer-facilitated virtual environments. Virtual Reality, 2019, 23, 437-446.	6.1	112
7	Bankruptcy prediction in firms with statistical and intelligent techniques and a comparison of evolutionary computation approaches. Computers and Mathematics With Applications, 2011, 62, 4514-4524.	2.7	85
8	Exploration of social media for sentiment analysis using deep learning. Soft Computing, 2020, 24, 8187-8197.	3.6	59
9	Deep Learning Methods in Internet of Medical Things for Valvular Heart Disease Screening System. IEEE Internet of Things Journal, 2021, 8, 16921-16932.	8.7	53
10	Coupling and Coordination Development of Australian Energy, Economy, and Ecological Environment Systems from 2007 to 2016. Sustainability, 2019, 11, 6568.	3.2	50
11	Modeling public mood and emotion: Stock market trend prediction with anticipatory computing approach. Computers in Human Behavior, 2019, 101, 402-408.	8.5	49
12	Modeling public mood and emotion: Blog and news sentiment and socio-economic phenomena. Future Generation Computer Systems, 2019, 96, 692-699.	7.5	33
13	Constructing the lie detection system with fuzzy reasoning approach. Granular Computing, 2018, 3, 169-176.	8.0	29
14	SFCM: A Fuzzy Clustering Algorithm of Extracting the Shape Information of Data. IEEE Transactions on Fuzzy Systems, 2021, 29, 75-89.	9.8	27
15	Visualization and dynamic evaluation model of corporate financial structure with self-organizing map and support vector regression. Applied Soft Computing Journal, 2012, 12, 2274-2288.	7.2	25
16	Picture fuzzy time series: Defining, modeling and creating a new forecasting method. Engineering Applications of Artificial Intelligence, 2020, 88, 103367.	8.1	25
17	A deep learning approach for financial market prediction: utilization of Google trends and keywords. Granular Computing, 2021, 6, 207-216.	8.0	25
18	Intelligent Traffic Accident Prediction Model for Internet of Vehicles With Deep Learning Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2340-2349.	8.0	25

#	ARTICLE	IF	CITATIONS
19	Prediction of corporate financial distress: an application of the America banking industry. <i>Neural Computing and Applications</i> , 2012, 21, 1687-1696.	5.6	24
20	How do we inspire people to contact aboriginal culture with Web2.0 technology?. <i>Computers and Education</i> , 2015, 86, 71-83.	8.3	24
21	Why Customers Don't Revisit in Tourism and Hospitality Industry?. <i>IEEE Access</i> , 2019, 7, 146588-146606.	4.2	24
22	Cyber-entrepreneurship as an innovative orientation: Does positive thinking moderate the relationship between cyber-entrepreneurial self-efficacy and cyber-entrepreneurial intentions in Non-IT students?. <i>Computers in Human Behavior</i> , 2020, 107, 105975.	8.5	24
23	DESIGN OF EXPERIMENTS ON NEURAL NETWORK'S PARAMETERS OPTIMIZATION FOR TIME SERIES FORECASTING IN STOCK MARKETS. <i>Neural Network World</i> , 2013, 23, 369-393.	0.8	24
24	Remaining useful life prediction based on state assessment using edge computing on deep learning. <i>Computer Communications</i> , 2020, 160, 91-100.	5.1	23
25	International transmission of stock market movements: an adaptive neuro-fuzzy inference system for analysis of TAIEX forecasting. <i>Neural Computing and Applications</i> , 2013, 23, 369-378.	5.6	21
26	A Novel Artificial Bee Colony Optimization Algorithm with SVM for Bio-inspired Software-Defined Networking. <i>International Journal of Parallel Programming</i> , 2020, 48, 310-328.	1.5	20
27	The human-like intelligence with bio-inspired computing approach for credit ratings prediction. <i>Neurocomputing</i> , 2018, 279, 11-18.	5.9	18
28	Exploring the behavioral patterns transformation of learners in different 3D modeling teaching strategies. <i>Computers in Human Behavior</i> , 2019, 92, 670-678.	8.5	18
29	Applying fuzzy petri nets for evaluating the impact of bedtime behaviors on sleep quality. <i>Granular Computing</i> , 2018, 3, 321-332.	8.0	17
30	Removal of salt-and-pepper noise for X-ray bio-images using pixel-variation gain factors. <i>Computers and Electrical Engineering</i> , 2018, 71, 862-876.	4.8	15
31	Understanding the behavioral intention to play Austronesian learning games: from the perspectives of learning outcome, service quality, and hedonic value. <i>Interactive Learning Environments</i> , 2018, 26, 372-385.	6.4	14
32	Recognizing important factors of influencing trust in O2O models: an example of OpenTable. <i>Soft Computing</i> , 2020, 24, 7907-7923.	3.6	14
33	Constructing Cooperative Intelligent Transport Systems for Travel Time Prediction With Deep Learning Approaches. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 16590-16599.	8.0	13
34	A Hybrid Unequal Clustering Based on Density with Energy Conservation in Wireless Nodes. <i>Sustainability</i> , 2019, 11, 746.	3.2	12
35	Recurrent neural network with attention mechanism for language model. <i>Neural Computing and Applications</i> , 2020, 32, 7915-7923.	5.6	12
36	A tucker decomposition based knowledge distillation for intelligent edge applications. <i>Applied Soft Computing Journal</i> , 2021, 101, 107051.	7.2	12

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37	Intelligently modeling, detecting, and scheduling elephant flows in software defined energy cloud: A survey. <i>Journal of Parallel and Distributed Computing</i> , 2020, 146, 64-78.	4.1	10
38	Deep learning: emerging trends, applications and research challenges. <i>Soft Computing</i> , 2020, 24, 7835-7838.	3.6	10
39	The Determinants of Bitcoin's Price: Utilization of GARCH and Machine Learning Approaches. <i>Computational Economics</i> , 2021, 57, 267-280.	2.6	10
40	Collaborative algorithms that combine AI with IoT towards monitoring and control system. <i>Future Generation Computer Systems</i> , 2021, 125, 677-686.	7.5	10
41	Course Design for College Entrepreneurship Education – From Personal Trait Analysis to Operation in Practice. <i>Frontiers in Psychology</i> , 2019, 10, 1016.	2.1	8
42	Data fusion analysis for attention-deficit hyperactivity disorder emotion recognition with thermal image and Internet of Things devices. <i>Software - Practice and Experience</i> , 2021, 51, 595-606.	3.6	8
43	The key successful factors of video and mobile game crowdfunding projects using a lexicon-based feature selection approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 3083-3101.	4.9	8
44	Using Deep Learning Models to Detect Fake News about COVID-19. <i>ACM Transactions on Internet Technology</i> , 2023, 23, 1-23.	4.4	8
45	A bio-inspired computing model for ovarian carcinoma classification and oncogene detection. <i>Bioinformatics</i> , 2015, 31, 1102-1110.	4.1	7
46	Design of an AI-Empowered Recommender System for Travelling Support: Individual Traveler as an Instance. , 2018, , .		7
47	Exploring knowledge patterns of library and information science journals within the field: a citation analysis from 2009 to 2016. <i>Scientometrics</i> , 2018, 117, 1991-2008.	3.0	7
48	Hybridization of cognitive computing for food services. <i>Applied Soft Computing Journal</i> , 2020, 89, 106051.	7.2	7
49	Monitoring Spatial Keyword Queries Based on Resident Domains of Mobile Objects in IoT Environments. <i>Mobile Networks and Applications</i> , 2022, 27, 208-218.	3.3	7
50	Establishing a Cybersecurity Home Monitoring System for the Elderly. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 4838-4845.	11.3	7
51	Deep Learning for Financial Engineering. <i>Computational Economics</i> , 2022, 59, 1277-1281.	2.6	7
52	Cognitive data science methods and models for engineering applications. <i>Soft Computing</i> , 2019, 23, 9045-9048.	3.6	6
53	Identifying the key success factors of movie projects in crowdfunding. <i>Multimedia Tools and Applications</i> , 2022, 81, 27711-27736.	3.9	6
54	Using Fuzzy Clustering with Deep Learning Models for Detection of COVID-19 Disinformation. <i>ACM Transactions on Asian and Low-Resource Language Information Processing</i> , 0, , .	2.0	6

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55	Forecasting stock price based on fuzzy time-series with equal-frequency partitioning and fast Fourier transform algorithm. , 2012, , .		5
56	X-ray bio-image denoising using directional-weighted-mean filtering and block matching approach. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	5
57	Building social computing system in big data: From the perspective of social network analysis. Computers in Human Behavior, 2019, 101, 457-465.	8.5	5
58	Real-time intelligent image processing for the internet of things. Journal of Real-Time Image Processing, 2021, 18, 997-998.	3.5	5
59	Grid-based indexing with expansion of resident domains for monitoring moving objects. Journal of Supercomputing, 2020, 76, 1482-1501.	3.6	4
60	Editorial: Advances in Robots Trajectories Learning via Fast Neural Networks. Frontiers in Neurobotics, 2021, 15, 671519.	2.8	4
61	AI-Based Vehicular Network toward 6G and IoT: Deep Learning Approaches. ACM Transactions on Management Information Systems, 2022, 13, 1-12.	2.8	4
62	Deep learning and intelligent system towards smart manufacturing. Enterprise Information Systems, 2022, 16, 189-192.	4.7	4
63	Linguistic multi-criteria decision-making aggregation model based on situational ME-LOWA and ME-LOWGA operators. Granular Computing, 2023, 8, 97-110.	8.0	4
64	A TAIEX forecasting model based on changes of keyword search volume on Google Trends. , 2014, , .		3
65	Spatial Air Index Based on Largest Empty Rectangles for Non-Flat Wireless Broadcast in Pervasive Computing. ISPRS International Journal of Geo-Information, 2016, 5, 211.	2.9	3
66	GT-Chain: A Fair Blockchain for Intelligent Industrial IoT Applications. IEEE Transactions on Network Science and Engineering, 2022, 9, 3244-3257.	6.4	3
67	Efficient Generative Adversarial Networks for Imbalanced Traffic Collision Datasets. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19864-19873.	8.0	3
68	The Case Study of Adaptive Network-Based Fuzzy Inference System Modeling for TAIEX Prediction. , 2012, , .		2
69	Big Data and Situation-Aware Technology for Smarter Healthcare. Journal of Medical and Biological Engineering, 2018, 38, 845-846.	1.8	2
70	Using Text Mining to Analyze the Financial Patents. , 2019, , .		2
71	IEEE Access Special Section Editorial: Data Mining for Internet of Things. IEEE Access, 2021, 9, 90418-90427.	4.2	2
72	Editorial: From Thinker to Doer: Creativity, Innovation, Entrepreneurship, Maker, and Venture Capital. Frontiers in Psychology, 2021, 12, 649037.	2.1	2

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73	Robotic Musicianship Based on Least Squares and Sequence Generative Adversarial Networks. IEEE Sensors Journal, 2022, 22, 17646-17654.	4.7	2
74	Image Feature Location Method Based on Improved Wavelet and Variable Threshold Segmentation in Internet of Things. Mobile Networks and Applications, 2022, 27, 563-575.	3.3	2
75	Computational Intelligence Methods for Smart Connectivity in IoT. Journal of Interconnection Networks, 2022, 22, .	1.0	2
76	Signal processing techniques for sustainable cognitive radio communications. Wireless Networks, 2021, 27, 839-841.	3.0	1
77	Editorial: Anticipatory Systems: Humans Meet Artificial Intelligence. Frontiers in Psychology, 2021, 12, 721879.	2.1	1
78	AI-enabled learning techniques for Internet of Things communications. Journal of High Speed Networks, 2021, 27, 203-204.	0.8	1
79	M-T2F: A High-Efficient Contention Protocol for Wireless Networking in Cyber-Physical-Social Systems. IEEE Transactions on Network Science and Engineering, 2022, 9, 3860-3869.	6.4	1
80	Cloud & fog computing: intelligent applications. Enterprise Information Systems, 2021, 15, 1197-1199.	4.7	1
81	Editorial: Understanding Startups: From Idea to Market. Frontiers in Psychology, 2022, 13, 876172.	2.1	1
82	Guest Editorial: Intelligent solutions for green computing in internet of medical things. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	0
83	Screw Slot Quality Inspection System Based on Tactile Network. ACM Transactions on Internet Technology, 2021, 21, 1-17.	4.4	0