Chi-Hua Chen

List of Publications by Year
in descending order

103 papers	1,557 citations	331259 21 h-index	329751 37 g-index
116 all docs	116 docs citations	116 times ranked	1269 citing authors

#	Article	IF	Citations
1	Hyperparameter Tuning Deep Learning for Diabetic Retinopathy Fundus Image Classification. IEEE Access, 2020, 8, 118164-118173.	2.6	151
2	Water Level Prediction Model Based on GRU and CNN. IEEE Access, 2020, 8, 60090-60100.	2.6	88
3	An Arrival Time Prediction Method for Bus System. IEEE Internet of Things Journal, 2018, 5, 4231-4232.	5.5	75
4	Travel Time Prediction System Based on Data Clustering for Waste Collection Vehicles. IEICE Transactions on Information and Systems, 2019, E102.D, 1374-1383.	0.4	72
5	A probability density function generator based on neural networks. Physica A: Statistical Mechanics and Its Applications, 2020, 541, 123344.	1.2	71
6	A Cell Probe-Based Method for Vehicle Speed Estimation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 265-267.	0.2	71
7	A Mobile Positioning Method Based on Deep Learning Techniques. Electronics (Switzerland), 2019, 8, 59.	1.8	63
8	An intelligent slope disaster prediction and monitoring system based on WSN and ANP. Expert Systems With Applications, 2014, 41, 4554-4562.	4.4	55
9	Deep Learning Techniques for Community Detection in Social Networks. IEEE Access, 2020, 8, 96016-96026.	2.6	55
10	A machine learning approach to predict the success of crowdfunding fintech project. Journal of Enterprise Information Management, 2022, 35, 1678-1696.	4.4	54
11	A Real-Time Pothole Detection Approach for Intelligent Transportation System. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	51
12	A Traceable and Privacy-Preserving Authentication for UAV Communication Control System. Electronics (Switzerland), 2020, 9, 62.	1.8	51
13	Visual Recognition Based on Deep Learning for Navigation Mark Classification. IEEE Access, 2020, 8, 32767-32775.	2.6	50
14	A Two-Step Approach for Classifying Music Genre on the Strength of AHP Weighted Musical Features. Mathematics, 2019, 7, 19.	1.1	45
15	Ubiquitous Healthcare Service System with Context-awareness Capability: Design and Implementation. Expert Systems With Applications, 2011, 38, 4416-4436.	4.4	42
16	Vehicle Localization and Velocity Estimation Based on Mobile Phone Sensing. IEEE Access, 2016, 4, 803-817.	2.6	42
17	Designing intelligent disaster prediction models and systems for debris-flow disasters in Taiwan. Expert Systems With Applications, 2012, 39, 5838-5856.	4.4	38
18	Accuracy Analysis Mechanism for Agriculture Data Using the Ensemble Neural Network Method. Sustainability, 2016, 8, 735.	1.6	34

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19	Design and application of augmented reality query-answering system in mobile phone information navigation. Expert Systems With Applications, 2015, 42, 810-820.	4.4	32
20	Combining the Technology Acceptance Model and Uses and Gratifications Theory to examine the usage behavior of an Augmented Reality Tour-sharing Application. Symmetry, 2017, 9, 113.	1.1	29
21	Traffic speed estimation based on normal location updates and call arrivals from cellular networks. Simulation Modelling Practice and Theory, 2013, 35, 26-33.	2.2	21
22	Deep Learning Techniques for Agronomy Applications. Agronomy, 2019, 9, 142.	1.3	21
23	Air Pollution Concentration Forecast Method Based on the Deep Ensemble Neural Network. Wireless Communications and Mobile Computing, 2020, 2020, 1-13.	0.8	21
24	Vehicle Speed Estimation and Forecasting Methods Based on Cellular Floating Vehicle Data. Applied Sciences (Switzerland), 2016, 6, 47.	1.3	17
25	An Augmented Reality Question Answering System Based on Ensemble Neural Networks. IEEE Access, 2017, 5, 17425-17435.	2.6	14
26	A green positioning algorithm for Campus Guidance System. International Journal of Mobile Communications, 2012, 10, 119.	0.2	13
27	A Traffic Information Prediction System Based on Global Position System-Equipped Probe Car Reporting. Advanced Science Letters, 2012, 16, 117-124.	0.2	13
28	The Optimal Sampling Period of a Fingerprint Positioning Algorithm for Vehicle Speed Estimation. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	11
29	Mobile merchandise evaluation service using novel information retrieval and image recognition technology. Computer Communications, 2011, 34, 120-128.	3.1	10
30	The frequency of CFVD speed report for highway traffic. Wireless Communications and Mobile Computing, 2015, 15, 879-888.	0.8	10
31	A High-Efficiency Method of Mobile Positioning Based on Commercial Vehicle Operation Data. ISPRS International Journal of Geo-Information, 2016, 5, 82.	1.4	10
32	A Cloud-Based Recommender System - A Case Study of Delicacy Recommendation. Procedia Engineering, 2011, 15, 3174-3178.	1.2	9
33	An Intelligent Embedded Marketing Service System based on TV apps: Design and implementation through product placement in idol dramas. Expert Systems With Applications, 2013, 40, 4127-4136.	4.4	9
34	X-architecture Steiner minimal tree algorithm based on multi-strategy optimization discrete differential evolution. PeerJ Computer Science, 2021, 7, e473.	2.7	9
35	A Novel Speed Estimation Method Using Location Service Events Based on Fingerprint Positioning. Advanced Science Letters, 2011, 4, 3735-3739.	0.2	9
36	Design and Implementation of Situation-Aware Medical Tourism Service Search System. , 2008, , .		8

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37	An Efficient and Secure Key Agreement Protocol for Sharing Emergency Events in VANET Systems. IEEE Access, 2019, 7, 148472-148484.	2.6	8
38	An Unsupervised PM2.5 Estimation Method With Different Spatio-Temporal Resolutions Based on KIDW-TCGRU. IEEE Access, 2020, 8, 190263-190276.	2.6	8
39	A secure Internet of Things medical information sharing and emergency notification system based on nonrepudiation mechanism. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3946.	2.6	8
40	Fuel Consumption Estimation System and Method with Lower Cost. Symmetry, 2017, 9, 105.	1.1	7
41	A Traffic Information Estimation Model Using Periodic Location Update Events from Cellular Network. Communications in Computer and Information Science, 2011, , 72-77.	0.4	7
42	Differentially Private Knowledge Distillation for Mobile Analytics. , 2020, , .		7
43	Spatial heterogeneity and migration characteristics of traffic congestion—A quantitative identification method based on taxi trajectory data. Physica A: Statistical Mechanics and Its Applications, 2022, 588, 126482.	1.2	7
44	Machine Learning and Artificial Intelligence. Frontiers in Artificial Intelligence and Applications, 0, , .	0.3	7
45	A Semantic Web Methodology for Situation-Aware Curative Food Service Recommendation System. , 2008, , .		6
46	Information Management and Applications of Intelligent Transportation System. Mathematical Problems in Engineering, 2015, 2015, 1-2.	0.6	6
47	Deep Learning Applications with Practical Measured Results in Electronics Industries. Electronics (Switzerland), 2020, 9, 501.	1.8	6
48	Unsupervised Text Feature Learning via Deep Variational Auto-encoder. Information Technology and Control, 2020, 49, 421-437.	1.1	6
49	The analysis of speed-reporting rates from a cellular network based on a fingerprint-positioning algorithm. South African Journal of Industrial Engineering, 2012, 24, 98.	0.2	6
50	The Air Quality Prediction Based on a Convolutional LSTM Network. Lecture Notes in Computer Science, 2019, , 98-109.	1.0	6
51	Does Medical Students' Personality Traits Influence Their Attitudes toward Medical Errors?. Healthcare (Switzerland), 2018, 6, 101.	1.0	5
52	Intelligent Recognition System Based on Contour Accentuation for Navigation Marks. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	0.8	5
53	An Analytical Framework of a Deployment Strategy for Cloud Computing Services: A Case Study of Academic Websites. Mathematical Problems in Engineering, 2013, 2013, 1-14.	0.6	4
54	Mobile Data Usage Prediction System and Method. , 2017, , .		4

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55	Intelligent pigâ€raising knowledge questionâ€answering system based on neural network schemes. Agronomy Journal, 2021, 113, 906-922.	0.9	4
56	Urban Public Transport Accessibility to Medical Services From the Perspective of Residentsâ€™ Travel: A Hybrid Assessment Based on the Whole Process. IEEE Access, 2021, 9, 8977-8989.	2.6	4
57	BioExpDNN: Bioinformatic Explainable Deep Neural Network. , 2020, , .		4
58	Traffic Information Estimation Methods From Handover Events. Journal of Testing and Evaluation, 2016, 44, 656-664.	0.4	4
59	THE DESIGN AND IMPLEMENTATION OF A GARBAGE TRUCK FLEET MANAGEMENT SYSTEM. South African Journal of Industrial Engineering, 2016, 27, .	0.2	4
60	On the Design and Development of a Novel Real-Time Transaction Price Estimation System. Advanced Materials Research, 0, 393-395, 213-216.	0.3	3
61	Applications of the web service middleware framework based on the BPEL. , 2016, , .		3
62	A Channel Allocation Mechanism for Cellular Networks. Inventions, 2017, 2, 8.	1.3	3
63	Maritime Target Detection Based on Electronic Image Stabilization Technology of Shipborne Camera. IEICE Transactions on Information and Systems, 2021, E104.D, 948-960.	0.4	3
64	Using RFID Technology and SOA with 4D Escape Route. , 2008, , .		2
65	A vehicle speed estimation method based on using voice call signals. , 2014, , .		2
66	Introduction to the Special Issue: Applications of Internet of Things. Symmetry, 2018, 10, 374.	1.1	2
67	Review on Deep Learning in Intelligent Transportation Systems. Advances in Intelligent Systems and Computing, 2021, , 399-408.	0.5	2
68	Contour Accentuation for Transfer Learning-Based Ship Recognition Method. , 2020, , .		2
69	Survey on Blockchain and Deep Learning. , 2020, , .		2
70	Review on Deep Learning in Feature Selection. Advances in Intelligent Systems and Computing, 2021, , 439-447.	0.5	2
71	RSG-Net: A Recurrent Similarity Network With Ghost Convolution for Wheelset Laser Stripe Image Inpainting. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 12852-12861.	4.7	2
72	A Real-time Crime Detection System Based on Lawful Interception - A Case Study of MSN Messenger. Procedia Engineering, 2011, 15, 1632-1636.	1.2	1

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73	A Real-Time Traffic Information Model Using GPS-Based Probe Car Data. Key Engineering Materials, 0, 467-469, 1433-1437.	0.4	1
74	A High-Efficiency Mobile Positioning System by Using Commercial Vehicle Operation Data Based on Cloud Computing Techniques. , 2014, , .		1
75	A Novel Real-Time Speech Summarizer System for the Learning of Sustainability. Sustainability, 2015, 7, 3885-3899.	1.6	1
76	Applications of Internet of Things. ISPRS International Journal of Geo-Information, 2018, 7, 334.	1.4	1
77	Twoâ€stage cloud service optimisation model for cloud service middleware platform. Journal of Engineering, 2018, 2018, 155-161.	0.6	1
78	A Mobile Positioning Method Based on Integrated Heterogeneous Networks for Commercial Vehicle Operation System. , 2019, , .		1
79	Mobile Positioning Based on TAE-GRU. , 2021, , .		1
80	The Adaptable Food Mileage Services Inference Based on Vehicular Communication. Advanced Science Letters, 2012, 5, 101-108.	0.2	1
81	A Probability-Based Analytical Model Based on Deep Learning for Traffic Information Estimation. , 2020, , .		1
82	Multiple Linear Regression Based on Stream Homomorphic Encryption Computing. , 2020, , .		1
83	Research on developing healthy-life map guiding system. , 2009, , .		0
84	An Energy Efficient Geocast Routing Protocol Based on a Defer-Time Control Function for Vehicular Ad-Hoc Network. Key Engineering Materials, 2011, 467-469, 972-977.	0.4	0
85	A Real-Time Campus Guidance System Based on Energy Efficient Location Determination Method. Advanced Materials Research, 0, 211-212, 485-489.	0.3	0
86	Seamless transmission management control based on geocast-based inter-vehicle communications. , 2012, , .		0
87	Temporary Call-Back Telephone Number Service. , 2012, , .		0
88	Research of Ontology and Semantic Web Apply for Building Information Model. , 2013, , .		0
89	A Vehicle Speed Estimation Mechanism Using Handovers and Call Arrivals of Cellular Networks. , 2014, , .		0
90	Designing and Implementing a Real-Time Speech Summarizer System. , 2014, , .		0

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91	Deep Learning-Based Dynamic Community Discovery. Lecture Notes in Computer Science, 2021, , 237-248.	1.0	0
92	A pre-signed response method based on online certificate status protocol request prediction. Enterprise Information Systems, 2022, 16, .	3.3	0
93	Intelligent Stock Price Prediction System Based on Cloud Computing: Design and Implementation. Advanced Science, Engineering and Medicine, 2013, 5, 962-964.	0.3	0
94	Collaboration Service Integration Platform Using Context-Aware Role-Based Access Model. , 2013, , .		0
95	The Design and Implementation of Collaboration Service Integration Platform Based on Context-Aware Role Based Access Model. International Journal of Security and Its Applications, 2014, 8, 295-306.	0.5	0
96	Context-Aware Services for Mobile Multimedia Application. Journal of Testing and Evaluation, 2015, 43, 977-990.	0.4	0
97	A Fuel-Efficient Route Plan App Based on Game Theory. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 126-135.	0.2	0
98	Deep Learning Applications with Practical Measured Results in Electronics Industries. , 2020, , .		0
99	Data Filtering Method for the Optimization of Mobile Positioning Based on Deep Learning. , 2020, , .		0
100	Wedding Dress Question-Answering System. , 2020, , .		0
101	Machine Learning Method Based on Stream Homomorphic Encryption Computing. , 2020, , .		0
102	Neuron-Network-Based Mixture Probability Model for Passenger Walking Time Distribution Estimation. IEICE Transactions on Information and Systems, 2022, E105.D, 1112-1115.	0.4	0
103	Travel Time Prediction Method Based on Spatial-Feature-based Hierarchical Clustering and Deep Multi-input Gated Recurrent Unit. ACM Transactions on Sensor Networks, 2023, 19, 1-21.	2.3	0