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	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
2	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
3	A machine learning approach to predict the success of crowdfunding fintech project. Journal of Enterprise Information Management, 2022, 35, 1678-1696.	4.4	54
4	A pre-signed response method based on online certificate status protocol request prediction. Enterprise Information Systems, 2022, 16, .	3.3	0
5	Spatial heterogeneity and migration characteristics of traffic congestionâ€"A quantitative identification method based on taxi trajectory data. Physica A: Statistical Mechanics and Its Applications, 2022, 588, 126482.	1.2	7
6	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
7	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
8	Review on Deep Learning in Intelligent Transportation Systems. Advances in Intelligent Systems and Computing, 2021, , 399-408.	0.5	2
9	Deep Learning-Based Dynamic Community Discovery. Lecture Notes in Computer Science, 2021, , 237-248.	1.0	0
10	Intelligent Recognition System Based on Contour Accentuation for Navigation Marks. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	0.8	5
11	Intelligent pigâ€raising knowledge questionâ€answering system based on neural network schemes. Agronomy Journal, 2021, 113, 906-922.	0.9	4
12	X-architecture Steiner minimal tree algorithm based on multi-strategy optimization discrete differential evolution. PeerJ Computer Science, 2021, 7, e473.	2.7	9
13	Mobile Positioning Based on TAE-GRU. , 2021, , .		1
14	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
15	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
16	Review on Deep Learning in Feature Selection. Advances in Intelligent Systems and Computing, 2021, , 439-447.	0.5	2
17	A Traceable and Privacy-Preserving Authentication for UAV Communication Control System. Electronics (Switzerland), 2020, 9, 62.	1.8	51
18	A probability density function generator based on neural networks. Physica A: Statistical Mechanics and Its Applications, 2020, 541, 123344.	1.2	71

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19	Air Pollution Concentration Forecast Method Based on the Deep Ensemble Neural Network. Wireless Communications and Mobile Computing, 2020, 2020, 1-13.	0.8	21
20	An Unsupervised PM2.5 Estimation Method With Different Spatio-Temporal Resolutions Based on KIDW-TCGRU. IEEE Access, 2020, 8, 190263-190276.	2.6	8
21	Deep Learning Techniques for Community Detection in Social Networks. IEEE Access, 2020, 8, 96016-96026.	2.6	55
22	Water Level Prediction Model Based on GRU and CNN. IEEE Access, 2020, 8, 60090-60100.	2.6	88
23	Hyperparameter Tuning Deep Learning for Diabetic Retinopathy Fundus Image Classification. IEEE Access, 2020, 8, 118164-118173.	2.6	151
24	Visual Recognition Based on Deep Learning for Navigation Mark Classification. IEEE Access, 2020, 8, 32767-32775.	2.6	50
25	Deep Learning Applications with Practical Measured Results in Electronics Industries. Electronics (Switzerland), 2020, 9, 501.	1.8	6
26	BioExpDNN: Bioinformatic Explainable Deep Neural Network. , 2020, , .		4
27	Contour Accentuation for Transfer Learning-Based Ship Recognition Method. , 2020, , .		2
28	Differentially Private Knowledge Distillation for Mobile Analytics. , 2020, , .		7
29	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
30	Unsupervised Text Feature Learning via Deep Variational Auto-encoder. Information Technology and Control, 2020, 49, 421-437.	1.1	6
31	Deep Learning Applications with Practical Measured Results in Electronics Industries. , 2020, , .		0
32	Data Filtering Method for the Optimization of Mobile Positioning Based on Deep Learning. , 2020, , .		0
33	Survey on Blockchain and Deep Learning. , 2020, , .		2
34	Wedding Dress Question-Answering System. , 2020, , .		0
35	Machine Learning Method Based on Stream Homomorphic Encryption Computing. , 2020, , .		0
36	A Probability-Based Analytical Model Based on Deep Learning for Traffic Information Estimation. , 2020, , .		1

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37	Multiple Linear Regression Based on Stream Homomorphic Encryption Computing. , 2020, , .		1
38	Deep Learning Techniques for Agronomy Applications. Agronomy, 2019, 9, 142.	1.3	21
39	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
40	An Efficient and Secure Key Agreement Protocol for Sharing Emergency Events in VANET Systems. IEEE Access, 2019, 7, 148472-148484.	2.6	8
41	A Mobile Positioning Method Based on Integrated Heterogeneous Networks for Commercial Vehicle Operation System. , 2019, , .		1
42	A Mobile Positioning Method Based on Deep Learning Techniques. Electronics (Switzerland), 2019, 8, 59.	1.8	63
43	A Two-Step Approach for Classifying Music Genre on the Strength of AHP Weighted Musical Features. Mathematics, 2019, 7, 19.	1.1	45
44	The Air Quality Prediction Based on a Convolutional LSTM Network. Lecture Notes in Computer Science, 2019, , 98-109.	1.0	6
45	Introduction to the Special Issue: Applications of Internet of Things. Symmetry, 2018, 10, 374.	1.1	2
46	Applications of Internet of Things. ISPRS International Journal of Geo-Information, 2018, 7, 334.	1.4	1
47	Does Medical Studentsâ€™ Personality Traits Influence Their Attitudes toward Medical Errors?. Healthcare (Switzerland), 2018, 6, 101.	1.0	5
48	Twoâ€stage cloud service optimisation model for cloud service middleware platform. Journal of Engineering, 2018, 2018, 155-161.	0.6	1
49	An Arrival Time Prediction Method for Bus System. IEEE Internet of Things Journal, 2018, 5, 4231-4232.	5.5	75
50	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
51	Mobile Data Usage Prediction System and Method. , 2017, , .		4
52	An Augmented Reality Question Answering System Based on Ensemble Neural Networks. IEEE Access, 2017, 5, 17425-17435.	2.6	14
53	A Channel Allocation Mechanism for Cellular Networks. Inventions, 2017, 2, 8.	1.3	3
54	Fuel Consumption Estimation System and Method with Lower Cost. Symmetry, 2017, 9, 105.	1.1	7

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55	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
56	Vehicle Speed Estimation and Forecasting Methods Based on Cellular Floating Vehicle Data. Applied Sciences (Switzerland), 2016, 6, 47.	1.3	17
57	Accuracy Analysis Mechanism for Agriculture Data Using the Ensemble Neural Network Method. Sustainability, 2016, 8, 735.	1.6	34
58	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
59	Applications of the web service middleware framework based on the BPEL. , 2016, , .		3
60	Vehicle Localization and Velocity Estimation Based on Mobile Phone Sensing. IEEE Access, 2016, 4, 803-817.	2.6	42
61	Traffic Information Estimation Methods From Handover Events. Journal of Testing and Evaluation, 2016, 44, 656-664.	0.4	4
62	THE DESIGN AND IMPLEMENTATION OF A GARBAGE TRUCK FLEET MANAGEMENT SYSTEM. South African Journal of Industrial Engineering, 2016, 27, .	0.2	4
63	The frequency of CFVD speed report for highway traffic. Wireless Communications and Mobile Computing, 2015, 15, 879-888.	0.8	10
64	A Novel Real-Time Speech Summarizer System for the Learning of Sustainability. Sustainability, 2015, 7, 3885-3899.	1.6	1
65	Information Management and Applications of Intelligent Transportation System. Mathematical Problems in Engineering, 2015, 2015, 1-2.	0.6	6
66	A Real-Time Pothole Detection Approach for Intelligent Transportation System. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	51
67	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
68	Context-Aware Services for Mobile Multimedia Application. Journal of Testing and Evaluation, 2015, 43, 977-990.	0.4	0
69	A High-Efficiency Mobile Positioning System by Using Commercial Vehicle Operation Data Based on Cloud Computing Techniques. , 2014, , .		1
70	A Vehicle Speed Estimation Mechanism Using Handovers and Call Arrivals of Cellular Networks. , 2014, , .		0
71	A vehicle speed estimation method based on using voice call signals. , 2014, , .		2
72	An intelligent slope disaster prediction and monitoring system based on WSN and ANP. Expert Systems With Applications, 2014, 41, 4554-4562.	4.4	55

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73	Designing and Implementing a Real-Time Speech Summarizer System. , 2014, , .		0
74	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
75	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
76	Research of Ontology and Semantic Web Apply for Building Information Model. , 2013, , .		0
77	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
78	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
79	The Optimal Sampling Period of a Fingerprint Positioning Algorithm for Vehicle Speed Estimation. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	11
80	Intelligent Stock Price Prediction System Based on Cloud Computing: Design and Implementation. Advanced Science, Engineering and Medicine, 2013, 5, 962-964.	0.3	0
81	Collaboration Service Integration Platform Using Context-Aware Role-Based Access Model. , 2013, , .		0
82	Seamless transmission management control based on geocast-based inter-vehicle communications. , 2012, , .		0
83	A green positioning algorithm for Campus Guidance System. International Journal of Mobile Communications, 2012, 10, 119.	0.2	13
84	Temporary Call-Back Telephone Number Service. , 2012, , .		0
85	Designing intelligent disaster prediction models and systems for debris-flow disasters in Taiwan. Expert Systems With Applications, 2012, 39, 5838-5856.	4.4	38
86	A Traffic Information Prediction System Based on Global Position System-Equipped Probe Car Reporting. Advanced Science Letters, 2012, 16, 117-124.	0.2	13
87	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
88	The Adaptable Food Mileage Services Inference Based on Vehicular Communication. Advanced Science Letters, 2012, 5, 101-108.	0.2	1
89	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
90	A Cloud-Based Recommender System - A Case Study of Delicacy Recommendation. Procedia Engineering, 2011, 15, 3174-3178.	1.2	9

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91	Ubiquitous Healthcare Service System with Context-awareness Capability: Design and Implementation. Expert Systems With Applications, 2011, 38, 4416-4436.	4.4	42
92	Mobile merchandise evaluation service using novel information retrieval and image recognition technology. Computer Communications, 2011, 34, 120-128.	3.1	10
93	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
94	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
95	A Novel Speed Estimation Method Using Location Service Events Based on Fingerprint Positioning. Advanced Science Letters, 2011, 4, 3735-3739.	0.2	9
96	Research on developing healthy-life map guiding system. , 2009, , .		0
97	Using RFID Technology and SOA with 4D Escape Route. , 2008, , .		2
98	Design and Implementation of Situation-Aware Medical Tourism Service Search System. , 2008, , .		8
99	A Semantic Web Methodology for Situation-Aware Curative Food Service Recommendation System. , 2008, , .		6
100	A Real-Time Traffic Information Model Using GPS-Based Probe Car Data. Key Engineering Materials, 0, 467-469, 1433-1437.	0.4	1
101	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
102	A Real-Time Campus Guidance System Based on Energy Efficient Location Determination Method. Advanced Materials Research, 0, 211-212, 485-489.	0.3	0
103	Machine Learning and Artificial Intelligence. Frontiers in Artificial Intelligence and Applications, 0, , .	0.3	7