

# Chenn-Jung Huang

## List of Publications by Year in descending order

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81  
papers

1,099  
citations

471371

17  
h-index

454834

30  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1044  
citing authors

#	ARTICLE	IF	CITATIONS
1	A load-balancing power scheduling system for virtual power plant considering emission reduction and charging demand of moving electric vehicles. Measurement and Control, 2019, 52, 687-701.	0.9	8
2	An emission-aware real-time power scheduling system for the Internet of Energy. International Transactions on Electrical Energy Systems, 2019, 29, e12021.	1.2	0
3	An Intelligent Renewables-based Power Scheduling System for Internet of Energy. , 2018, , .		1
4	A renewables-based load-balancing energy management system for energy internet. , 2017, , .		3
5	A group intelligence-based asynchronous argumentation learning-assistance platform. Interactive Learning Environments, 2016, 24, 1408-1427.	4.4	9
6	Supporting the development of synchronous text-based computer-mediated communication with an intelligent diagnosis tool. Applied Soft Computing Journal, 2016, 39, 266-274.	4.1	0
7	An Intelligent Energy Management Mechanism for Electric Vehicles. Applied Artificial Intelligence, 2016, 30, 125-152.	2.0	6
8	An Adaptive Live Streaming Mechanism for Heterogeneous Vehicular Networks. Applied Artificial Intelligence, 2015, 29, 637-659.	2.0	1
9	A self-adaptive joint bandwidth allocation scheme for heterogeneous wireless networks. Applied Soft Computing Journal, 2015, 37, 156-165.	4.1	1
10	An Intelligent Infrared LED-Based Prosthesis Training System. Applied Artificial Intelligence, 2014, 28, 859-878.	2.0	0
11	Performance evaluation of an intelligent multimedia learning assistant platform. , 2014, , .		0
12	Application of cellular automata and type-2 fuzzy logic to dynamic vehicle path planning. Applied Soft Computing Journal, 2014, 19, 333-342.	4.1	9
13	Intelligent feature extraction and classification of anuran vocalizations. Applied Soft Computing Journal, 2014, 19, 1-7.	4.1	32
14	The application of fuzzy lattice reasoning to nocturnal animal vocalization recognition. , 2014, , .		1
15	An adaptive multimedia streaming dissemination system for vehicular networks. Applied Soft Computing Journal, 2013, 13, 4508-4518.	4.1	22
16	Applications of Data Mining to an Asynchronous Argumentation Based Learning Assistance Platform. , 2013, , .		0
17	An adaptive resource management scheme in cloud computing. Engineering Applications of Artificial Intelligence, 2013, 26, 382-389.	4.3	64
18	Application of fast learning neural-networks to identification of mixed anuran vocalizations. , 2013, , .		0

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19	Applications of data mining to an online argumentation based learning assistance platform. , 2012, , .		0
20	A prediction-based joint bandwidth allocation scheme for heterogeneous wireless networks. , 2011, , .		0
21	Performance evaluation of an online argumentation learning assistance agent. Computers and Education, 2011, 57, 1270-1280.	5.1	19
22	A self-healing clustering algorithm for underwater sensor networks. Cluster Computing, 2011, 14, 91-99.	3.5	18
23	A power-efficient routing protocol for underwater wireless sensor networks. Applied Soft Computing Journal, 2011, 11, 2348-2355.	4.1	75
24	Using learning style-based diagnosis tool to enhance collaborative learning in an undergraduate engineering curriculum. Computer Applications in Engineering Education, 2011, 19, 739-746.	2.2	9
25	Applications of machine learning techniques to a sensor-network-based prosthesis training system. Applied Soft Computing Journal, 2011, 11, 3229-3237.	4.1	10
26	An adaptive bandwidth reservation scheme for 4G cellular networks using flexible 2-tier cell structure. Expert Systems With Applications, 2010, 37, 6414-6420.	4.4	9
27	Realization of a news dissemination agent based on weighted association rules and text mining techniques. Expert Systems With Applications, 2010, 37, 6409-6413.	4.4	33
28	An intelligent resource management scheme for heterogeneous WiFi and WiMAX multi-hop relay networks. Expert Systems With Applications, 2010, 37, 1134-1142.	4.4	14
29	Implementation and Performance Evaluation of an Intelligent Online Argumentation Assessment System. , 2010, , .		7
30	Body sensor network based prosthesis training system for leg-amputees. , 2010, , .		2
31	A Probabilistic Mobility Prediction Based Resource Management Scheme for WiMAX Femtocells. , 2010, , .		8
32	An Adaptive Rule-Based Intrusion Alert Correlation Detection Method. , 2010, , .		5
33	APPLICATIONS OF DATA MINING TECHNIQUES TO AUTOMATIC FROG IDENTIFICATION. Applied Artificial Intelligence, 2009, 23, 553-569.	2.0	5
34	Cross-layer design of aggregated resource allocation for multimedia over heterogeneous wireless networks. , 2009, , .		0
35	Prediction-Based Admission Control Schemes for Proportional Differentiated Services Enabled Internet Servers. Journal of Intelligent Systems, 2009, 18, .	1.2	0
36	QoS-aware roadside base station assisted routing in vehicular networks. Engineering Applications of Artificial Intelligence, 2009, 22, 1292-1301.	4.3	8

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37	Developing argumentation processing agents for computer-supported collaborative learning. Expert Systems With Applications, 2009, 36, 2615-2624.	4.4	21
38	Frog classification using machine learning techniques. Expert Systems With Applications, 2009, 36, 3737-3743.	4.4	117
39	A QoS-aware VoD resource sharing scheme for heterogeneous networks. Computer Networks, 2009, 53, 1087-1098.	3.2	4
40	Using particle swam optimization for QoS in ad-hoc multicast. Engineering Applications of Artificial Intelligence, 2009, 22, 1188-1193.	4.3	37
41	An intelligent infotainment dissemination scheme for heterogeneous vehicular networks. Expert Systems With Applications, 2009, 36, 12472-12479.	4.4	15
42	Application of neural networks and genetic algorithms to the screening for high quality chips. Applied Soft Computing Journal, 2009, 9, 824-832.	4.1	7
43	A fuzzy logic-based routing for Delay-Tolerant heterogeneous Networks. , 2009, , .		4
44	A Direction-Sensitive Routing Protocol for Underwater Wireless Sensor Networks. Lecture Notes in Computer Science, 2009, , 419-428.	1.0	5
45	Application of wrapper approach and composite classifier to the stock trend prediction. Expert Systems With Applications, 2008, 34, 2870-2878.	4.4	132
46	A hybrid priority-based video-on-demand resource sharing scheme. Computer Communications, 2008, 31, 2231-2241.	3.1	3
47	Implementation of call admission control scheme in next generation mobile communication networks using particle swarm optimization and fuzzy logic systems. Expert Systems With Applications, 2008, 35, 1246-1251.	4.4	17
48	Supporting the development of collaborative problem-based learning environments with an intelligent diagnosis tool. Expert Systems With Applications, 2008, 35, 622-631.	4.4	17
49	A Location-Aware Resource Management Scheme for Ubiquitous Wireless Networks. , 2008, , .		1
50	A Mobility-Aware Link Enhancement Mechanism for Vehicular Ad Hoc Networks. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, .	1.5	11
51	A Clustering Head Selection Algorithm for Underwater Sensor Networks. , 2008, , .		6
52	Realization of an Intelligent Frog Call Identification Agent. , 2008, , 93-102.		2
53	A Learning Assistance Tool for Enhancing ICT Application Ability of Elementary and Secondary School Students. Lecture Notes in Computer Science, 2008, , 661-668.	1.0	0
54	An intelligent learning diagnosis system for Web-based thematic learning platform. Computers and Education, 2007, 48, 658-679.	5.1	30

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55	Implementation and performance evaluation of parameter improvement mechanisms for intelligent e-learning systems. Computers and Education, 2007, 49, 597-614.	5.1	25
56	A Self-Adaptive Bandwidth Reservation Scheme for 4G Mobile WiMAX. , 2007, , .		5
57	Adaptive resource reservation schemes for proportional DiffServ enabled fourth-generation mobile communications system. Computer Communications, 2007, 30, 1613-1623.	3.1	10
58	Clustered defect detection of high quality chips using self-supervised multilayer perceptron. Expert Systems With Applications, 2007, 33, 996-1003.	4.4	33
59	A Dynamic Alternate Path QoS Enabled Routing Scheme in Mobile Ad hoc Networks. International Journal of Wireless Information Networks, 2007, 14, 1-16.	1.8	6
60	Admission control schemes for proportional differentiated services enabled internet servers using machine learning techniques. Expert Systems With Applications, 2006, 31, 458-471.	4.4	13
61	A self-adaptive zone routing protocol for Bluetooth scatternets. Computer Communications, 2005, 28, 37-50.	3.1	6
62	Application of support vector machines to bandwidth reservation in sectored cellular communications. Engineering Applications of Artificial Intelligence, 2005, 18, 585-594.	4.3	15
63	Application of Probabilistic Neural Networks to the Class Prediction of Leukemia and Embryonal Tumor of Central Nervous System. Neural Processing Letters, 2004, 19, 211-226.	2.0	25
64	A Bluetooth Routing Protocol Using Evolving Fuzzy Neural Networks. International Journal of Wireless Information Networks, 2004, 11, 131-146.	1.8	5
65	A self-adaptive bandwidth reservation scheme for sectored cellular communications. Information Sciences, 2004, 166, 127-146.	4.0	5
66	CLASS PREDICTION OF CANCER USING PROBABILISTIC NEURAL NETWORKS AND RELATIVE CORRELATION METRIC. Applied Artificial Intelligence, 2004, 18, 117-128.	2.0	22
67	A 1.25 ghz 32-bit tree-structured carry lookahead adder using modified ant logic. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 1208-1216.	0.1	16
68	Design of a cycle-efficient 64-b/32-b integer divisor using a table-sharing algorithm. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2003, 11, 737-740.	2.1	3
69	Image processing techniques for wafer defect cluster identification. IEEE Design and Test of Computers, 2002, 19, 44-48.	1.4	57
70	Improved Design of C2PL 3-2 Compressors for Inner Product Processing. VLSI Design, 2002, 14, 383-388.	0.5	0
71	A ratioed channel assignment scheme for initial and handoff calls in mobile cellular systems. Computer Communications, 2001, 24, 308-318.	3.1	3
72	Design and Analysis of Radix-8/4/2 64b/32b Integer Divider Using COMPASS Cell Library. VLSI Design, 2000, 11, 331-338.	0.5	3

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73	Design and Analysis of Digital Ratioed Compressors for Inner Product Processing. VLSI Design, 2000, 11, 353-361.	0.5	0
74	Design of an inner-product processor for hardware realization of multi-valued exponential bidirectional associative memory. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 1271-1278.	2.3	3
75	A 1.0-GHz 0.6- $\mu$ m 8-bit carry lookahead adder using PLA-styled all-N-transistor logic. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 133-135.	2.3	22
76	A deterministic capacity-finding method for multi-valued exponential BAM. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2000, 30, 817-819.	3.4	0
77	Identification of wafer defect clusters using a self-organizing multilayer perceptron. , 0, , .		0
78	A 1.25 GHz 32-bit tree-structured carry lookahead adder. , 0, , .		7
79	Application of neural networks and filtered back projection to wafer defect cluster identification. , 0, , .		4
80	Application of neuro-fuzzy technique to the bandwidth reservation for sectorized cellular communications. , 0, , .		2
81	A Zone Routing Protocol for Bluetooth MANET with Online Adaptive Zone Radius. , 0, , .		1