Irma ChacÃ³n

List of Publications by Year in descending order

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47 papers	378 citations	1307366 7 h-index	996849 15 g-index
49 all docs	49 docs citations	49 times ranked	299 citing authors

#	Article	IF	Citations
1	Artificial intelligence and ambient intelligence. Journal of Ambient Intelligence and Smart Environments, 2019, 11, 71-86.	0.8	77
2	A distributed multihop time synchronization protocol for wireless sensor networks using Pairwise Broadcast Synchronization. IEEE Transactions on Wireless Communications, 2009, 8, 1764-1772.	6.1	67
3	Localization in Sensor Networks with Limited Number of Anchors and Clustered Placement. , 2007, , .		24
4	Adoption of flipped learning in social humanities education: the FIBER experience in secondary schools. Interactive Learning Environments, 2019, 27, 1222-1238.	4.4	24
5	Integrating the Kinect camera, gesture recognition and mobile devices for interactive discussion. , 2012, , .		18
6	HyBloc: Localization in Sensor Networks with Adverse Anchor Placement. Sensors, 2009, 9, 253-280.	2.1	16
7	Toward a Complete E-learning System Framework for Semantic Analysis, Concept Clustering and Learning Path Optimization. , 2012, , .		16
8	Combining the real-time wavelet denoising and long-short-term-memory neural network for predicting stock indexes. , 2017, , .		14
9	SignBERT: A BERT-Based Deep Learning Framework for Continuous Sign Language Recognition. IEEE Access, 2021, 9, 161669-161682.	2.6	13
10	Teaching Internet of Things: Enhancing learning efficiency via full-semester flipped classroom. , 2017, , .		12
11	A Descend-Based Evolutionary Approach to Enhance Position Estimation in Wireless Sensor Networks. , 2006, , .		10
12	An Adaptive Multi-Population Optimization Algorithm for Global Continuous Optimization. IEEE Access, 2021, 9, 19960-19989.	2.6	10
13	Design-Based Research on Teacher Facilitation in a Pedagogic Integration of Flipped Learning and Social Enquiry Learning. Sustainability, 2022, 14, 996.	1.6	8
14	A Portable Sign Language Collection and Translation Platform with Smart Watches Using a BLSTM-Based Multi-Feature Framework. Micromachines, 2022, 13, 333.	1.4	8
15	Applying (3+2+1)D Residual Neural Network with Frame Selection for Hong Kong Sign Language Recognition. , 2021, , .		7
16	A Machine Learning View on Momentum and Reversal Trading. Algorithms, 2018, 11, 170.	1.2	6
17	Improving data centric storage with diffuse caching in wireless sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 347-356.	0.8	5
18	A Portable Hong Kong Sign Language Translation Platform with Deep Learning and Jetson Nano. , 2020, , .		5

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19	Developing an Innovative and Pen-Based Simulator to Enhance Education and Research in Computer Systems. , 2009, , .		4
20	Exploring Chinese through learning objects and interactive interface on mobile devices. , 2012, , .		4
21	Using Cloud Computing and Mobile Devices to Facilitate Students' Learning through E-Learning Games. , 2013, , .		4
22	Image and video processing in wireless sensor networks. Multidimensional Systems and Signal Processing, 2009, 20, 99-100.	1.7	3
23	Building an Interactive Simulator on a Cloud Computing Platform to Enhance Students' Understanding of Computer Systems. , 2013, , .		3
24	An Intelligent Mobile Application to Facilitate the Exploratory and Personalized Learning of Chinese on Smartphones. , 2014, , .		3
25	Pre-Conference Workshopâ€"Chatbot Tutors for Blended Learning: Why Bother? And Where to Start?. , 2018, , .		3
26	Combining Meta-Heuristics to Effectively Solve the Vehicle Routing Problems with Time Windows. Artificial Intelligence Review, 2004, 21, 87-112.	9.7	2
27	Applying the ZigBee and Wireless Sensors to Monitor the Efficiency of Workflow. , 2009, , .		2
28	Facilitating a personalized learning environment through learning analytics on mobile devices. , 2014, , .		2
29	Applying Instructional Design in Engineering Education and Industrial Training: An Integrative Review. , 2019, , .		2
30	Evolving Artificial Ant Systems to Improve Layouts of Graphical Objects. Lecture Notes in Computer Science, 2004, , 955-956.	1.0	2
31	Optimizing Personal Computer Configurationswith Heuristic-Based Search Methods. Artificial Intelligence Review, 2002, 17, 129-140.	9.7	1
32	Applying An Improved Heuristic Based Optimiser to Solve a Set of Challenging University Timetabling Problems: An Experience Report. Lecture Notes in Computer Science, 2004, , 164-172.	1.0	1
33	An Adaptive Framework of Multiple Schemes for Event and Query Distribution in Wireless Sensor Networks. , 2007, , .		1
34	Applying an Evolutionary Approach for Learning Path Optimization in the Next-Generation E-Learning Systems. , 2013, , .		1
35	Multidimensional Discussions on an Interactive Mobile Platform for Language Education -- A Case at the University of Hong Kong. , 2014, , .		0
36	Preface to JAISE 12(4). Journal of Ambient Intelligence and Smart Environments, 2020, 12, 279-280.	0.8	0

#	Article	IF	Citations
37	Preface to JAISE 12(5). Journal of Ambient Intelligence and Smart Environments, 2020, 12, 375-375.	0.8	0
38	Preface to JAISE 13(1). Journal of Ambient Intelligence and Smart Environments, 2021, 13, 1-1.	0.8	0
39	Preface to JAISE 13(2). Journal of Ambient Intelligence and Smart Environments, 2021, 13, 75-76.	0.8	0
40	Preface to JAISE 13(3). Journal of Ambient Intelligence and Smart Environments, 2021, , 1-1.	0.8	0
41	Preface to JAISE 13(4). Journal of Ambient Intelligence and Smart Environments, 2021, 13, 269-270.	0.8	0
42	Preface to JAISE 13(5). Journal of Ambient Intelligence and Smart Environments, 2021, 13, 345-346.	0.8	0
43	Solving Pickup and Delivery Problems with Refined Construction and Repair Heuristics. Lecture Notes in Computer Science, 2004, , 932-933.	1.0	0
44	INTELLIGENT VISUALIZATION TECHNIQUES FOR REUSABLE LEARNING OBJECTS TO FACILITATE AN ONLINE LEARNING ENVIRONMENT. , 2006, , .		0
45	Preface to JAISE 13(6). Journal of Ambient Intelligence and Smart Environments, 2021, , 1-2.	0.8	0
46	Preface to JAISE 12(6). Journal of Ambient Intelligence and Smart Environments, 2020, 12, 455-456.	0.8	0
47	Preface to JAISE 14(1). Journal of Ambient Intelligence and Smart Environments, 2022, 14, 1-1.	0.8	0