Ching-Han Chen

List of Publications by Year
in descending order

23	375	1163117	794594
papers	citations	8	19
		h-index	g-index

28	28	28	490
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Edge Computing Gateway of the Industrial Internet of Things Using Multiple Collaborative Microcontrollers. IEEE Network, 2018, 32, 24-32.	6.9	184
2	High performance iris recognition based on 1-D circular feature extraction and PSO–PNN classifier. Expert Systems With Applications, 2009, 36, 10351-10356.	7.6	42
3	High-level modeling and synthesis of smart sensor networks for Industrial Internet of Things. Computers and Electrical Engineering, 2017, 61, 48-66.	4.8	19
4	Adaptive image interpolation using probabilistic neural network. Expert Systems With Applications, 2009, 36, 6025-6029.	7.6	13
5	A 3.5-tier container-based edge computing architecture. Computers and Electrical Engineering, 2021, 93, 107227.	4.8	11
6	Optimal fusion of multimodal biometric authentication using wavelet probabilistic neural network. , 2013, , .		9
7	Indoor Positioning Using Magnetic Fingerprint Map Captured by Magnetic Sensor Array. Sensors, 2021, 21, 5707.	3.8	9
8	Intelligent Brushing Monitoring Using a Smart Toothbrush with Recurrent Probabilistic Neural Network. Sensors, 2021, 21, 1238.	3.8	6
9	Cooperative People Tracking by Distributed Cameras Network. Electronics (Switzerland), 2021, 10, 1780.	3.1	6
10	Anisotropic Probabilistic Neural Network for Image Interpolation. Journal of Mathematical Imaging and Vision, 2014, 48, 488-498.	1.3	5
11	Person Re-Identification Microservice over Artificial Intelligence Internet of Things Edge Computing Gateway. Electronics (Switzerland), 2021, 10, 2264.	3.1	5
12	Robust tracking of multiple persons in real-time video. Multimedia Tools and Applications, 2016, 75, 16683-16697.	3.9	4
13	High-performance fieldbus application-specific integrated circuit design for industrial smart sensor networks. Journal of Supercomputing, 2018, 74, 4451-4469.	3.6	4
14	VLSI implementation of anisotropic probabilistic neural network for real-time image scaling. Journal of Real-Time Image Processing, 2019, 16, 71-80.	3.5	4
15	Big Data Collection Gateway for Vision-Based Smart Meter Reading Network. , 2014, , .		3
16	Cloud-based Dialog Navigation Agent System for Service Robots. Sensors and Materials, 2019, 31, 1871.	0.5	3
17	Design of a shift-and-add based hardware accelerator for color space conversion. Journal of Real-Time Image Processing, 2015, 10, 193-206.	3.5	2
18	Use Learnable Knowledge Graph in Dialogue System for Visually Impaired Macro Navigation. Applied Sciences (Switzerland), 2021, 11, 6057.	2.5	2

#	Article	IF	Citations
19	An Embedded Computing Platform for Robot. , 2008, , .		1
20	AUTOMATIC DESIGN OF SHIFT-AND-ADD BASED COLOR SPACE CONVERTER USING A GENETIC ALGORITHM. Transactions of the Canadian Society for Mechanical Engineering, 2013, 37, 959-970.	0.8	1
21	Stereo Imaging Using Hardwired Self-Organizing Object Segmentation. Sensors, 2020, 20, 5833.	3.8	1
22	Adaptive edge enhancement based on anisotropic image interpolation. , 2010, , .		0
23	CellS: A Cell-Inspired Efficient Software Framework for AI-Enabled Application on Resources-Constrained Mobile System. Electronics (Switzerland), 2021, 10, 568.	3.1	0