Cheng-Chun Chang

List of Publications by Year
in descending order

24	361	1307594	1372567
papers	citations	7	10
		h-index	g-index

24	24	24	394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Filter-Based Miniature Spectrometers: Spectrum Reconstruction Using Adaptive Regularization. IEEE Sensors Journal, 2011, 11, 1556-1563.	4.7	108
2	Using K-Nearest Neighbor Classification to Diagnose Abnormal Lung Sounds. Sensors, 2015, 15, 13132-13158.	3.8	78
3	Accelerating Regular LDPC Code Decoders on GPUs. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 653-659.	4.9	42
4	Interference Rejection Using Filter-Based Sensor Array in VLC Systems. IEEE Sensors Journal, 2012, 12, 1025-1032.	4.7	35
5	Spectrum Reconstruction for On-Chip Spectrum Sensor Array Using a Novel Blind Nonuniformity Correction Method. IEEE Sensors Journal, 2012, 12, 2586-2592.	4.7	18
6	MW-PPG Sensor: An on-Chip Spectrometer Approach. Sensors, 2019, 19, 3698.	3.8	18
7	Accurate Sensing of LED Spectra via Low-Cost Spectrum Sensors. IEEE Sensors Journal, 2011, 11, 2869-2877.	4.7	15
8	Visible Light Communication System for Offshore Wind Turbine Foundation Scour Early Warning Monitoring. Water (Switzerland), 2019, 11, 1486.	2.7	7
9	Robust skin type classification using convolutional neural networks. , 2018, , .		6
10	Development of a Portable All-Wavelength PPG Sensing Device for Robust Adaptive-Depth Measurement: A Spectrometer Approach with a Hydrostatic Measurement Example. Sensors, 2020, 20, 6556.	3.8	6
11	A low-cost mobile device for skin tone measurement using filter array spectrum sensor. , 2014, , .		5
12	WDM-VLC Receiver Sensors: Large-Scale Filter-Array Detectors With Optimized Selection Combining Methods. IEEE Sensors Journal, 2018, 18, 2411-2420.	4.7	5
13	Design of GPU-based platform for LDPC decoder. , 2011, , .		4
14	A sensor array approach for robust wavelength division multiplexing in VLC systems. , 2012, , .		2
15	LED Spectrum Measurement Using Low-Cost Spectrum Sensor Array and Particle Swarm Optimization. , 2012, , .		2
16	Water velocimeter and turbidity-meter using visible light communication modules. , 2013, , .		2
17	Joint Channel Estimation and Multi-user Detection for OFDMA Systems Using a Genetic Algorithm with Simulated Annealing-Based Mutation. , 2013, , .		2
18	Spectrum measurement via low cost Spectrum Sensor on-a-chip. , 2010, , .		1

#	Article	IF	Citations
19	Estimation of carrier frequency offsets for uplink OFDMA system using a hybrid Taguchi-mutated-particle swarm optimization approach. , 2012, , .		1
20	A sparse template selection algorithm for spectrum measurement using miniature filter array spectrum sensors. , 2012, , .		1
21	Monitor color sensing using low-cost filter array spectrum sensor. , 2013, , .		1
22	Selected combining for efficient WDM-VLC system using filter-array receiver. , 2014, , .		1
23	A development of a portable device for skin color estimation on cosmetic foundation applying. , 2017, , .		1
24	Spectrum reconstruction from MIMO perspectives for realizing low-cost on-chip spectrometers. , 2014, , .		0