

# Cheng-Chun Chang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7563808/publications.pdf>

Version: 2024-02-01

24  
papers

361  
citations

1307594

7  
h-index

1372567

10  
g-index

24  
all docs

24  
docs citations

24  
times ranked

394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Portable All-Wavelength PPG Sensing Device for Robust Adaptive-Depth Measurement: A Spectrometer Approach with a Hydrostatic Measurement Example. <i>Sensors</i> , 2020, 20, 6556.	3.8	6
2	Visible Light Communication System for Offshore Wind Turbine Foundation Scour Early Warning Monitoring. <i>Water (Switzerland)</i> , 2019, 11, 1486.	2.7	7
3	MW-PPG Sensor: An on-Chip Spectrometer Approach. <i>Sensors</i> , 2019, 19, 3698.	3.8	18
4	WDM-VLC Receiver Sensors: Large-Scale Filter-Array Detectors With Optimized Selection Combining Methods. <i>IEEE Sensors Journal</i> , 2018, 18, 2411-2420.	4.7	5
5	Robust skin type classification using convolutional neural networks. , 2018, , .		6
6	A development of a portable device for skin color estimation on cosmetic foundation applying. , 2017, , .		1
7	Using K-Nearest Neighbor Classification to Diagnose Abnormal Lung Sounds. <i>Sensors</i> , 2015, 15, 13132-13158.	3.8	78
8	Selected combining for efficient WDM-VLC system using filter-array receiver. , 2014, , .		1
9	A low-cost mobile device for skin tone measurement using filter array spectrum sensor. , 2014, , .		5
10	Spectrum reconstruction from MIMO perspectives for realizing low-cost on-chip spectrometers. , 2014, , .		0
11	Monitor color sensing using low-cost filter array spectrum sensor. , 2013, , .		1
12	Water velocimeter and turbidity-meter using visible light communication modules. , 2013, , .		2
13	Joint Channel Estimation and Multi-user Detection for OFDMA Systems Using a Genetic Algorithm with Simulated Annealing-Based Mutation. , 2013, , .		2
14	Interference Rejection Using Filter-Based Sensor Array in VLC Systems. <i>IEEE Sensors Journal</i> , 2012, 12, 1025-1032.	4.7	35
15	Estimation of carrier frequency offsets for uplink OFDMA system using a hybrid Taguchi-mutated-particle swarm optimization approach. , 2012, , .		1
16	A sensor array approach for robust wavelength division multiplexing in VLC systems. , 2012, , .		2
17	LED Spectrum Measurement Using Low-Cost Spectrum Sensor Array and Particle Swarm Optimization. , 2012, , .		2
18	A sparse template selection algorithm for spectrum measurement using miniature filter array spectrum sensors. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	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
20	Filter-Based Miniature Spectrometers: Spectrum Reconstruction Using Adaptive Regularization. IEEE Sensors Journal, 2011, 11, 1556-1563.	4.7	108
21	Design of GPU-based platform for LDPC decoder. , 2011, , .		4
22	Accurate Sensing of LED Spectra via Low-Cost Spectrum Sensors. IEEE Sensors Journal, 2011, 11, 2869-2877.	4.7	15
23	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
24	Spectrum measurement via low cost Spectrum Sensor on-a-chip. , 2010, , .		1