Nguyen Hau

List of Publications by Year
in descending order

20 papers	700 citations	759233 12 h-index
752698 20 g-index		
20 all docs	20 docs citations	20 times ranked
797 citing authors		

#	Article	IF	Citations
1	Indoor Fine Particulate Matter Monitoring in a Large Area Using Bidirectional Multihop VLC. IEEE Internet of Things Journal, 2021, 8, 7214-7228.	8.7	14
2	Affective Computing on Machine Learning-Based Emotion Recognition Using a Self-Made EEG Device. Sensors, 2021, 21, 5135.	3.8	14
3	A Bipolar-Channel Hybrid Brain-Computer Interface System for Home Automation Control Utilizing Steady-State Visually Evoked Potential and Eye-Blink Signals. Sensors, 2020, 20, 5474.	3.8	23
4	Battery-Free and Noninvasive Estimation of Food pH and CO_2 Concentration for Food Monitoring Based on Pressure Measurement. Sensors, 2020, 20, 5853.	3.8	10
5	Deep Learning-Based Food Quality Estimation Using Radio Frequency-Powered Sensor Mote. IEEE Access, 2020, 8, 88360-88371.	4.2	28
6	Lightweight multi-hop VLC using compression and data-dependent multiple pulse modulation. Optics Express, 2020, 28, 19531.	3.4	10
7	A Neural Network-Based Model of Radio Frequency Energy Harvesting Characteristics in a Self-Powered Food Monitoring System. IEEE Sensors Journal, 2019, 19, 8813-8823.	4.7	12
8	Negative News Recognition During Social Media News Consumption Using EEG. IEEE Access, 2019, 7, 133227-133236.	4.2	6
9	Fine particulate matter monitoring via a visible light communication in DCT-based optical OFDM. Optics Express, 2019, 27, 15062.	3.4	8
10	EMI-Free Bidirectional Real-Time Indoor Environment Monitoring System. IEEE Access, 2019, 7, 5714-5722.	4.2	18
11	A Single-Channel SSVEP-Based BCI Speller Using Deep Learning. IEEE Access, 2019, 7, 1752-1763.	4.2	53
12	Semiasynchronous BCI Using Wearable Two-Channel EEG. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 681-686.	3.8	11
13	Wavelength-Division Multiplexing Optical Transmission for EMI-Free Indoor Fine Particulate Matter Monitoring. IEEE Access, 2018, 6, 74885-74894.	4.2	11
14	A High-Rate BCI Speller Based on Eye-Closed EEG Signal. IEEE Access, 2018, 6, 33995-34003.	4.2	30
15	Multiple bio-monitoring system using visible light for electromagnetic-wave free indoor healthcare. Optics Communications, 2017, 405, 107-113.	2.1	17
16	Single cell three-channel wavelength division multiplexing in visible light communication. Optics Express, 2017, 25, 25477.	3.4	12
17	Demonstration of long-distance hazard-free wearable EEG monitoring system using mobile phone visible light communication. Optics Express, 2017, 25, 713.	3.4	34
18	A Context-Aware EEG Headset System for Early Detection of Driver Drowsiness. Sensors, 2015, 15, 20873-20893.	3.8	70

#	Article	IF	Citations
19	Smartwatch-Based Wearable EEG System for Driver Drowsiness Detection. IEEE Sensors Journal, 2015, 15, 7169-7180.	4.7	155
20	Detection of Driver Drowsiness Using Wavelet Analysis of Heart Rate Variability and a Support Vector Machine Classifier. Sensors, 2013, 13, 16494-16511.	3.8	164