

Carlos M Oppus

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

128
citations

2258059

3
h-index

2272923

4
g-index

27
all docs

27
docs citations

27
times ranked

104
citing authors

#	ARTICLE	IF	CITATIONS
1	Societal cost-benefit analysis of electric vehicles in the Philippines with the inclusion of impacts to balance of payments. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111492.	16.4	9
2	Circuit analogue of relativistic aberration of light using low-cost, low-complexity operational amplifier-based all-pass filters. <i>European Journal of Physics</i> , 2021, 42, 015605.	0.6	4
3	Agent-based Modeling of COVID-19 Infection Rate vis-à-vis the Philippine Government Community Quarantine and Face Covering Measures. , 2021, , .		0
4	Servo-Controlled 5-Axis 3D Printer from an Open-Source Kit. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 101-115.	1.1	0
5	Real-Time Traffic Sign Detection and Recognition System for Assistive Driving. <i>Advances in Science, Technology and Engineering Systems</i> , 2020, 5, 600-611.	0.5	5
6	Face Detection and Recognition of the Seven Emotions via Facial Expression: Integration of Machine Learning Algorithm into the NAO Robot. , 2020, , .		6
7	Design of an Interface Test Adapter for Sequential Testing of Transient Voltage Suppressor Diodes to Reduce Test Cycle Time. , 2019, , .		0
8	Traffic Sign Detection and Recognition for Assistive Driving. , 2019, , .		6
9	Development and Implementation of an IoT Platform. , 2019, , .		2
10	Intelligent Sensors and Monitoring System for Low-cost Phototherapy Light for Jaundice Treatment. , 2019, , .		7
11	Wireless Sensor Network for Soil Monitoring. , 2019, , .		0
12	Airborne Particulate Matter Monitoring Using UAVs for Smart Cities and Urban Areas. , 2018, , .		9
13	Design of a Long-Short Range Soil Monitoring Wireless Sensor Network for Medium-Scale Deployment. , 2018, , .		4
14	Design of autonomous sensor nodes for remote soil monitoring in tropical banana plantation. , 2017, , .		2
15	Brain-computer interface and voice-controlled 3D printed prosthetic hand. , 2016, , .		10
16	Post-disaster rescue facility: Human detection and geolocation using aerial drones. , 2016, , .		26
17	A Feasibility Study and Design of Biogas Plant via Improvement of Waste Management and Treatment in Ateneo de Manila University. , 2016, , .		0
18	Towards building a predictive model for remote river quality monitoring for mining sites. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	Design and Development of a Wireless Sensor Network Framework for Water Quality Remote Monitoring. Lecture Notes in Electrical Engineering, 2015, , 99-106.	0.4	2
20	User-oriented finger-gesture glove controller with hand movement virtualization using flex sensors and a digital accelerometer. , 2014, , .		13
21	An agricultural telemetry system implemented using an Arduino-Android interface. , 2014, , .		8
22	Platoon system implementation using the Robotis Bioloid platform. , 2014, , .		0
23	Prolonged distraction testing game implemented with ImpactJS HTML5, Gamepad and Neurosky. , 2014, , .		3
24	Driving philippine microelectronics education development with multi-university collaboration. , 2013, , .		0
25	A study on ocular and facial muscle artifacts in EEG signals for BCI applications. , 2012, , .		11
26	Pseudo Swarm Implementation Using Robotic Agents and Graphical Simulation. Lecture Notes in Computer Science, 2010, , 11-19.	1.3	0
27	FPGA-Based Digital Signal Processing Trainer. , 2009, , .		0