

# Demetrio Iero

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

492  
citations

933447

10  
h-index

888059

17  
g-index

25  
all docs

25  
docs citations

25  
times ranked

440  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Evaluation of Silicon and GaN Switches for a Small Wireless Power Transfer System. Energies, 2022, 15, 3029.	3.1	3
2	Advanced Sensors and Systems Technologies for Indoor Positioning. Sensors, 2022, 22, 3605.	3.8	0
3	RFID-Based Indoor Positioning Using Edge Machine Learning. IEEE Journal of Radio Frequency Identification, 2022, 6, 573-582.	2.3	8
4	Edge Machine Learning Techniques Applied to RFID for Device-Free Hand Gesture Recognition. IEEE Journal of Radio Frequency Identification, 2022, 6, 564-572.	2.3	7
5	A Technique for the Direct Measurement of the Junction Temperature in Power Light Emitting Diodes. IEEE Sensors Journal, 2021, 21, 6293-6299.	4.7	4
6	A Technique for Improving the Precision of the Direct Measurement of Junction Temperature in Power Light-Emitting Diodes. Sensors, 2021, 21, 3113.	3.8	5
7	Acoustic Simulation for Performance Evaluation of Ultrasonic Ranging Systems. Electronics (Switzerland), 2021, 10, 1298.	3.1	6
8	Ranging with Frequency Dependent Ultrasound Air Attenuation. Sensors, 2021, 21, 4963.	3.8	3
9	Device-free hand gesture recognition exploiting Machine Learning applied to RFID. , 2021, , .		7
10	Ultrasonic Ranging using Frequency Selective Attenuation. , 2021, , .		0
11	Edge Machine Learning for AI-Enabled IoT Devices: A Review. Sensors, 2020, 20, 2533.	3.8	211
12	Simulating Signal Aberration and Ranging Error for Ultrasonic Indoor Positioning. Sensors, 2020, 20, 3548.	3.8	15
13	Mobile Synchronization Recovery for Ultrasonic Indoor Positioning. Sensors, 2020, 20, 702.	3.8	28
14	Temperature Sensing Characteristics and Long Term Stability of Power LEDs Used for Voltage vs. Junction Temperature Measurements and Related Procedure. IEEE Access, 2020, 8, 43057-43066.	4.2	12
15	Augmented Information Discovery using NFC Technology within a Platform for Disaster Monitoring. , 2020, , .		0
16	Indoor Object Positioning using Smartphone and RFID or QRCode. , 2020, , .		3
17	Power LED junction temperature readout circuit based on an off-the-shelf LED driver. , 2020, , .		0
18	Simple and Low-Cost Photovoltaic Module Emulator. Electronics (Switzerland), 2019, 8, 1445.	3.1	26

#	ARTICLE	IF	CITATIONS
19	CMOS RF Transmitters with On-Chip Antenna for Passive RFID and IoT Nodes. Electronics (Switzerland), 2019, 8, 1448.	3.1	14
20	Open-Source Hardware Platforms for Smart Converters with Cloud Connectivity. Electronics (Switzerland), 2019, 8, 367.	3.1	19
21	An Indoor Ultrasonic System for Autonomous 3-D Positioning. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2507-2518.	4.7	53
22	Ranging RFID Tags With Ultrasound. IEEE Sensors Journal, 2018, 18, 2967-2975.	4.7	38
23	A Direct Junction Temperature Measurement Technique for Power LEDs. , 2018, , .		4
24	Using ANT Communications for Node Synchronization and Timing in a Wireless Ultrasonic Ranging System. , 2017, 1, 1-4.		8
25	SPICE modelling of a complete photovoltaic system including modules, energy storage elements and a multilevel inverter. Solar Energy, 2014, 107, 338-350.	6.1	18