

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 | Edge Machine Learning for AI-Enabled IoT Devices: A Review. <i>Sensors</i> , 2020, 20, 2533. | 3.8 | 211 |
| 2 | An Indoor Ultrasonic System for Autonomous 3-D Positioning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 2507-2518. | 4.7 | 53 |
| 3 | Ranging RFID Tags With Ultrasound. <i>IEEE Sensors Journal</i> , 2018, 18, 2967-2975. | 4.7 | 38 |
| 4 | Mobile Synchronization Recovery for Ultrasonic Indoor Positioning. <i>Sensors</i> , 2020, 20, 702. | 3.8 | 28 |
| 5 | Simple and Low-Cost Photovoltaic Module Emulator. <i>Electronics (Switzerland)</i> , 2019, 8, 1445. | 3.1 | 26 |
| 6 | Open-Source Hardware Platforms for Smart Converters with Cloud Connectivity. <i>Electronics (Switzerland)</i> , 2019, 8, 367. | 3.1 | 19 |
| 7 | SPICE modelling of a complete photovoltaic system including modules, energy storage elements and a multilevel inverter. <i>Solar Energy</i> , 2014, 107, 338-350. | 6.1 | 18 |
| 8 | Simulating Signal Aberration and Ranging Error for Ultrasonic Indoor Positioning. <i>Sensors</i> , 2020, 20, 3548. | 3.8 | 15 |
| 9 | CMOS RF Transmitters with On-Chip Antenna for Passive RFID and IoT Nodes. <i>Electronics (Switzerland)</i> , 2019, 8, 1448. | 3.1 | 14 |
| 10 | Temperature Sensing Characteristics and Long Term Stability of Power LEDs Used for Voltage vs. Junction Temperature Measurements and Related Procedure. <i>IEEE Access</i> , 2020, 8, 43057-43066. | 4.2 | 12 |
| 11 | Using ANT Communications for Node Synchronization and Timing in a Wireless Ultrasonic Ranging System. , 2017, 1, 1-4. | | 8 |
| 12 | RFID-Based Indoor Positioning Using Edge Machine Learning. <i>IEEE Journal of Radio Frequency Identification</i> , 2022, 6, 573-582. | 2.3 | 8 |
| 13 | Device-free hand gesture recognition exploiting Machine Learning applied to RFID. , 2021, , . | | 7 |
| 14 | Edge Machine Learning Techniques Applied to RFID for Device-Free Hand Gesture Recognition. <i>IEEE Journal of Radio Frequency Identification</i> , 2022, 6, 564-572. | 2.3 | 7 |
| 15 | Acoustic Simulation for Performance Evaluation of Ultrasonic Ranging Systems. <i>Electronics (Switzerland)</i> , 2021, 10, 1298. | 3.1 | 6 |
| 16 | A Technique for Improving the Precision of the Direct Measurement of Junction Temperature in Power Light-Emitting Diodes. <i>Sensors</i> , 2021, 21, 3113. | 3.8 | 5 |
| 17 | A Direct Junction Temperature Measurement Technique for Power LEDs. , 2018, , . | | 4 |
| 18 | A Technique for the Direct Measurement of the Junction Temperature in Power Light Emitting Diodes. <i>IEEE Sensors Journal</i> , 2021, 21, 6293-6299. | 4.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Ranging with Frequency Dependent Ultrasound Air Attenuation. Sensors, 2021, 21, 4963. | 3.8 | 3 |
| 20 | Indoor Object Positioning using Smartphone and RFID or QRCode. , 2020, , . | | 3 |
| 21 | Performance Evaluation of Silicon and GaN Switches for a Small Wireless Power Transfer System. Energies, 2022, 15, 3029. | 3.1 | 3 |
| 22 | Augmented Information Discovery using NFC Technology within a Platform for Disaster Monitoring. , 2020, , . | | 0 |
| 23 | Ultrasonic Ranging using Frequency Selective Attenuation. , 2021, , . | | 0 |
| 24 | Power LED junction temperature readout circuit based on an off-the-shelf LED driver. , 2020, , . | | 0 |
| 25 | Advanced Sensors and Systems Technologies for Indoor Positioning. Sensors, 2022, 22, 3605. | 3.8 | 0 |