

# Roberto de Fazio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7608927/publications.pdf>

Version: 2024-02-01

28  
papers

375  
citations

758635

12  
h-index

794141

19  
g-index

28  
all docs

28  
docs citations

28  
times ranked

229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Sensors-Based Agri-Food Traceability System Remotely Managed by a Software Platform for Optimized Farm Management. <i>Sensors</i> , 2020, 20, 3632.	2.1	50
2	An Overview of Wearable Piezoresistive and Inertial Sensors for Respiration Rate Monitoring. <i>Electronics (Switzerland)</i> , 2021, 10, 2178.	1.8	33
3	Development of a Self-Powered Piezo-Resistive Smart Insole Equipped with Low-Power BLE Connectivity for Remote Gait Monitoring. <i>Sensors</i> , 2021, 21, 4539.	2.1	26
4	Innovative IoT Solutions and Wearable Sensing Systems for Monitoring Human Biophysical Parameters: A Review. <i>Electronics (Switzerland)</i> , 2021, 10, 1660.	1.8	26
5	Hardware Design and Software Development for a White LED-Based Experimental Spectrophotometer Managed by a PIC-Based Control System. <i>IEEE Sensors Journal</i> , 2017, 17, 2507-2515.	2.4	23
6	Solar-Powered Deep Learning-Based Recognition System of Daily Used Objects and Human Faces for Assistance of the Visually Impaired. <i>Energies</i> , 2020, 13, 6104.	1.6	22
7	Limitations and Characterization of Energy Storage Devices for Harvesting Applications. <i>Energies</i> , 2020, 13, 783.	1.6	22
8	A Multi-Source Harvesting System Applied to Sensor-Based Smart Garments for Monitoring Workers' Bio-Physical Parameters in Harsh Environments. <i>Energies</i> , 2020, 13, 2161.	1.6	21
9	Solar Radiation Forecasting by Pearson Correlation Using LSTM Neural Network and ANFIS Method: Application in the West-Central Jordan. <i>Future Internet</i> , 2022, 14, 79.	2.4	19
10	A Sensor-Based Drone for Pollutants Detection in Eco-Friendly Cities: Hardware Design and Data Analysis Application. <i>Electronics (Switzerland)</i> , 2022, 11, 52.	1.8	17
11	Wearable devices and IoT applications for symptom detection, infection tracking, and diffusion containment of the COVID-19 pandemic: a survey. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021, 22, 1413-1442.	1.5	15
12	Light-Induced ignition of Carbon Nanotubes and energetic nano-materials: a review on methods and advanced technical solutions for nanoparticles-enriched fuels combustion. <i>Reviews on Advanced Materials Science</i> , 2020, 59, 26-46.	1.4	14
13	Innovative complete solution for health safety of children unintentionally forgotten in a car: a smart Arduino-based system with user app for remote control. <i>IET Science, Measurement and Technology</i> , 2020, 14, 665-675.	0.9	13
14	An Energy-Autonomous Smart Shirt Employing Wearable Sensors for Users' Safety and Protection in Hazardous Workplaces. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2926.	1.3	13
15	Arduino-Based Solution for In-Car-Abandoned Infants' Detection Remotely Managed by Smartphone Application. <i>Journal of Communications Software and Systems</i> , 2019, 15, .	0.6	9
16	Wearable Urban Mobility Assistive Device for Visually Impaired Pedestrians Using a Smartphone and a Tactile-Foot Interface. <i>Sensors</i> , 2021, 21, 5274.	2.1	9
17	Available Technologies and Commercial Devices to Harvest Energy by Human Trampling in Smart Flooring Systems: A Review. <i>Energies</i> , 2022, 15, 432.	1.6	8
18	Photo-induced ignition phenomenon of carbon nanotubes by Xenon pulsed light: Ignition tests analysis, automotive and new potential applications, future developments. <i>Journal of Applied Research and Technology</i> , 2017, 15, 609-623.	0.6	7

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19	Improved Photo-Ignition of Carbon Nanotubes/Ferrocene Using a Lipophilic Porphyrin under White Power LED Irradiation. <i>Materials</i> , 2018, 11, 127.	1.3	6
20	A BLE-Connected Piezoresistive and Inertial Chest Band for Remote Monitoring of the Respiratory Activity by an Android Application: Hardware Design and Software Optimization. <i>Future Internet</i> , 2022, 14, 183.	2.4	6
21	Automated Detection of Left Bundle Branch Block from ECG Signal Utilizing the Maximal Overlap Discrete Wavelet Transform with ANFIS. <i>Computers</i> , 2022, 11, 93.	2.1	5
22	A Stake-Out Prototype System Based on GNSS-RTK Technology for Implementing Accurate Vehicle Reliability and Performance Tests. <i>Energies</i> , 2021, 14, 4885.	1.6	4
23	Sensors-based mobile robot for harsh environments: functionalities, energy consumption analysis and characterization. <i>Acta IMEKO (2012)</i> , 2021, 10, 209.	0.4	3
24	A sensors-based monitoring system of electrical consumptions and home parameters remotely managed by mobile app for elderly habits' control. , 2019, , .		2
25	An Efficient Point-Matching Method Based on Multiple Geometrical Hypotheses. <i>Electronics (Switzerland)</i> , 2021, 10, 246.	1.8	1
26	Sensors Allocation and Observer Design for Discrete Bilateral Teleoperation Systems with Multi-Rate Sampling. <i>Sensors</i> , 2022, 22, 2673.	2.1	1
27	Application fields overview of carbon nanotubes in electronics and propulsion: CNTs photo-ignition by white power LEDs for improved fuels combustion. , 2018, , .		0
28	Special Issue on Electronic Systems and Energy Harvesting Methods for Automation, Mechatronics and Automotive. <i>Energies</i> , 2021, 14, 8050.	1.6	0