

# Carlos G Juan

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

311  
citations

1306789

7  
h-index

1473754

9  
g-index

26  
all docs

26  
docs citations

26  
times ranked

243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of an RF Image System for Real-Time Tracking Neurosurgical Tools. <i>Sensors</i> , 2022, 22, 3845.	2.1	4
2	Dielectric Characterization of Water-Glucose Solutions. <i>Springer Theses</i> , 2021, , 69-89.	0.0	0
3	Glucose Concentration Detection in Aqueous Solutions with Microwave Sensors. <i>Springer Theses</i> , 2021, , 91-131.	0.0	0
4	Microwave Resonator for NIBGM: Proof of Concept. <i>Springer Theses</i> , 2021, , 155-187.	0.0	0
5	Glucose Concentration Detection in Biological Solutions with Microwave Sensors. <i>Springer Theses</i> , 2021, , 133-153.	0.0	0
6	Microwave Sensors for Glucose Detection: Open Lines. <i>Springer Theses</i> , 2021, , 189-225.	0.0	0
7	Dielectric Permittivity Sensor Based on Planar Open-Loop Resonator. , 2021, 5, 1-4.		18
8	Microwave Planar Resonant Solutions for Glucose Concentration Sensing: A Systematic Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7018.	1.3	36
9	Study of $Q$ -Based Resonant Microwave Sensors and Design of 3-D-Printed Devices Dedicated to Glucose Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-16.	2.4	13
10	El videojoc com a eina per a l'aprenentatge actiu del català: valoració crítica. <i>Revista De La Societat D'Ensenyament I Recerca Del Català Com A Llengua Estrangera</i> , 2021, , 46-69.	0.1	0
11	Use of Coplanar Quarter-Wave Resonators for Glucose Sensing in Aqueous Solutions. , 2020, , .		5
12	Non-Invasive Device for Blood Pressure Wave Acquisition by Means of Mechanical Transducer. <i>Sensors</i> , 2019, 19, 4311.	2.1	11
13	Portable Device Based on Microwave Resonator for Noninvasive Blood Glucose Monitoring. , 2019, 2019, 1115-1118.		15
14	Glucose Concentration Measurement in Human Blood Plasma Solutions with Microwave Sensors. <i>Sensors</i> , 2019, 19, 3779.	2.1	35
15	Feasibility study of portable microwave microstrip open-loop resonator for non-invasive blood glucose level sensing: proof of concept. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 2389-2405.	1.6	19
16	Highly-Sensitive Glucose Concentration Sensor Exploiting Inter-resonators Couplings. , 2019, , .		23
17	Concentration Measurement of Microliter-Volume Water-Glucose Solutions Using $Q$ Factor of Microwave Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 2621-2634.	2.4	97
18	Dielectric characterization of water glucose solutions using a transmission/reflection line method. <i>Biomedical Signal Processing and Control</i> , 2017, 31, 139-147.	3.5	24

#	ARTICLE	IF	CITATIONS
19	Toward an enhanced modular operating room. , 2016, , .		2
20	Design of a wearable bio-patch for monitoring patient's temperature. , 2016, 2016, 4792-4795.		4
21	Automatic detection of surgical gauzes using Computer Vision. , 2015, , .		4