

# Carlos G Juan

## List of Publications by Year in descending order

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21  
papers

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citations

1306789

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26  
docs citations

26  
times ranked

243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentration Measurement of Microliter-Volume Water-Glucose Solutions Using Q-Factor of Microwave Sensors. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2621-2634.	2.4	97
2	Microwave Planar Resonant Solutions for Glucose Concentration Sensing: A Systematic Review. Applied Sciences (Switzerland), 2021, 11, 7018.	1.3	36
3	Glucose Concentration Measurement in Human Blood Plasma Solutions with Microwave Sensors. Sensors, 2019, 19, 3779.	2.1	35
4	Dielectric characterization of water glucose solutions using a transmission/reflection line method. Biomedical Signal Processing and Control, 2017, 31, 139-147.	3.5	24
5	Highly-Sensitive Glucose Concentration Sensor Exploiting Inter-resonators Couplings. , 2019, , .		23
6	Feasibility study of portable microwave microstrip open-loop resonator for non-invasive blood glucose level sensing: proof of concept. Medical and Biological Engineering and Computing, 2019, 57, 2389-2405.	1.6	19
7	Dielectric Permittivity Sensor Based on Planar Open-Loop Resonator. , 2021, 5, 1-4.		18
8	Portable Device Based on Microwave Resonator for Noninvasive Blood Glucose Monitoring. , 2019, 2019, 1115-1118.		15
9	Study of Q-Band-Based Resonant Microwave Sensors and Design of 3-D-Printed Devices Dedicated to Glucose Monitoring. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	2.4	13
10	Non-Invasive Device for Blood Pressure Wave Acquisition by Means of Mechanical Transducer. Sensors, 2019, 19, 4311.	2.1	11
11	Use of Coplanar Quarter-Wave Resonators for Glucose Sensing in Aqueous Solutions. , 2020, , .		5
12	Automatic detection of surgical gauzes using Computer Vision. , 2015, , .		4
13	Design of a wearable bio-patch for monitoring patient's temperature. , 2016, 2016, 4792-4795.		4
14	Validation of an RF Image System for Real-Time Tracking Neurosurgical Tools. Sensors, 2022, 22, 3845.	2.1	4
15	Toward an enhanced modular operating room. , 2016, , .		2
16	Dielectric Characterization of Water-Glucose Solutions. Springer Theses, 2021, , 69-89.	0.0	0
17	Glucose Concentration Detection in Aqueous Solutions with Microwave Sensors. Springer Theses, 2021, , 91-131.	0.0	0
18	Microwave Resonator for NIBGM: Proof of Concept. Springer Theses, 2021, , 155-187.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Glucose Concentration Detection in Biological Solutions with Microwave Sensors. Springer Theses, 2021, , 133-153.	0.0	0
20	Microwave Sensors for Glucose Detection: Open Lines. Springer Theses, 2021, , 189-225.	0.0	0
21	El videojoc com a eina per a l'aprenentatge actiu del català: valoració crítica. Revista De La Societat D'Ensenyament I Recerca Del Català Com A Llengua Estrangera, 2021, , 46-69.	0.1	0