

# Maria Franãsa

## List of Publications by Year in descending order

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15  
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docs citations

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371  
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#	ARTICLE	IF	CITATIONS
1	Fringing Field Capacitive Sensor for Measuring Soil Water Content: Design, Manufacture, and Testing. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 212-220.	4.7	49
2	Autonomous Multisensor System Powered by a Solar Thermoelectric Energy Harvester With Ultralow-Power Management Circuit. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2918-2925.	4.7	42
3	A new robust algorithmic for multi-camera calibration with a 1D object under general motions without prior knowledge of any camera intrinsic parameter. Pattern Recognition, 2012, 45, 3636-3647.	8.1	31
4	Development of a Hardware Platform for Detection of Milk Adulteration Based on Near-Infrared Diffuse Reflection. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1698-1706.	4.7	30
5	Autonomous soil moisture sensor based on nanostructured thermosensitive resistors powered by an integrated thermoelectric generator. Sensors and Actuators A: Physical, 2016, 239, 1-7.	4.1	28
6	Revisiting Zhang's 1D calibration algorithm. Pattern Recognition, 2010, 43, 1180-1187.	8.1	26
7	A Low-Cost NIR Digital Photometer Based on InGaAs Sensors for the Detection of Milk Adulterations With Water. IEEE Sensors Journal, 2016, 16, 3653-3663.	4.7	23
8	A Multiprobe Heat Pulse Sensor for Soil Moisture Measurement Based on PCB Technology. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 606-613.	4.7	22
9	Development of 3-D Ultrasonic Anemometer With Nonorthogonal Geometry for the Determination of High-Intensity Winds. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2836-2844.	4.7	13
10	Development and testing of a hardware platform for measuring instruments based on near-infrared diffuse reflection. Measurement: Journal of the International Measurement Confederation, 2016, 86, 14-25.	5.0	6
11	Measurement of the electric energy storage capacity in solar thermoelectric generators's energy harvesting modules. International Journal of Distributed Sensor Networks, 2017, 13, 155014771668542.	2.2	4
12	A Distributed and Wireless Data Acquisition System to Fight Against Sugarcane Orange Rust. Journal of Control, Automation and Electrical Systems, 2013, 24, 831-842.	2.0	1
13	Development, Testing, and Validation of a Prototype for Qualification of Substances Based on Near-Infrared Spectroscopy. IEEE Access, 2019, 7, 25650-25659.	4.2	1
14	Nonlinear Estimation of the Fundamental Matrix with Only Five Unknowns. IEEE Latin America Transactions, 2014, 12, 783-791.	1.6	0
15	Mulheres em STEM - Uma Iniciativa em Tempos de Pandemia da COVID-19. Revista Principia, 0, , .	0.1	0