

# Marco Grossi

## List of Publications by Year in descending order

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30  
papers

837  
citations

567144

15  
h-index

580701

25  
g-index

30  
all docs

30  
docs citations

30  
times ranked

984  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Portable Battery-Operated Sensor System for Simple and Rapid Assessment of Virgin Olive Oil Quality Grade. <i>Chemosensors</i> , 2022, 10, 102.	1.8	2
2	Energy Harvesting Strategies for Wireless Sensor Networks and Mobile Devices: A Review. <i>Electronics (Switzerland)</i> , 2021, 10, 661.	1.8	28
3	Investigation of the Impact of BTI Aging Phenomenon on Analog Amplifiers. <i>Journal of Electronic Testing: Theory and Applications (JETTA)</i> , 2021, 37, 533-544.	0.9	2
4	Evaluation of Olive Oil Quality Grade Using a Portable Battery-Operated Sensor System. , 2021, 5, .		0
5	Practical Determination of Solid Fat Content in Fats and Oils by Single-Wavelength Near-Infrared Analysis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 585-592.	2.4	16
6	Measurement of Bacterial Concentration Using a Portable Sensor System With a Combined Electrical-Optical Approach. <i>IEEE Sensors Journal</i> , 2019, 19, 10693-10700.	2.4	9
7	Sensors and Embedded Systems in Agriculture and Food Analysis. <i>Journal of Sensors</i> , 2019, 2019, 1-2.	0.6	7
8	Impact of Bias Temperature Instability (BTI) Aging Phenomenon on Clock Deskew Buffers. <i>Journal of Electronic Testing: Theory and Applications (JETTA)</i> , 2019, 35, 261-267.	0.9	4
9	Design and in-house validation of a portable system for the determination of free acidity in virgin olive oil. <i>Food Control</i> , 2019, 104, 208-216.	2.8	15
10	Computer Vision Approach for the Determination of Microbial Concentration and Growth Kinetics Using a Low Cost Sensor System. <i>Sensors</i> , 2019, 19, 5367.	2.1	3
11	Electrical Impedance Spectroscopy (EIS) characterization of saline solutions with a low-cost portable measurement system. <i>Engineering Science and Technology, an International Journal</i> , 2019, 22, 102-108.	2.0	23
12	A sensor-centric survey on the development of smartphone measurement and sensing systems. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 135, 572-592.	2.5	52
13	A portable sensor system for bacterial concentration monitoring in metalworking fluids. <i>Journal of Sensors and Sensor Systems</i> , 2018, 7, 349-357.	0.6	7
14	Bacterial concentration detection using a portable embedded sensor system for environmental monitoring. , 2017, , .		7
15	An automatic titration system for oil concentration measurement in metalworking fluids. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 97, 8-14.	2.5	18
16	Electrical impedance spectroscopy (EIS) for biological analysis and food characterization: a review. <i>Journal of Sensors and Sensor Systems</i> , 2017, 6, 303-325.	0.6	251
17	Rapid and innovative instrumental approaches for quality and authenticity of olive oils. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 1601-1619.	1.0	57
18	A portable electronic system for in-situ measurements of oil concentration in MetalWorking fluids. <i>Sensors and Actuators A: Physical</i> , 2016, 243, 7-14.	2.0	6

#	ARTICLE	IF	CITATIONS
19	An opto-electronic system for in-situ determination of peroxide value and total phenol content in olive oil. Journal of Food Engineering, 2015, 146, 1-7.	2.7	28
20	A novel electrochemical method for olive oil acidity determination. Microelectronics Journal, 2014, 45, 1701-1707.	1.1	27
21	Fast and Accurate Determination of Olive Oil Acidity by Electrochemical Impedance Spectroscopy. IEEE Sensors Journal, 2014, 14, 2947-2954.	2.4	50
22	A Portable Sensor With Disposable Electrodes for Water Bacterial Quality Assessment. IEEE Sensors Journal, 2013, 13, 1775-1782.	2.4	48
23	A novel electrochemical method for olive oil acidity determination. , 2013, , .		5
24	Automatic ice-cream characterization by impedance measurements for optimal machine setting. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1747-1754.	2.5	25
25	A portable biosensor system for bacterial concentration measurements in cow's raw milk. , 2011, , .		12
26	A novel technique to control ice cream freezing by electrical characteristics analysis. Journal of Food Engineering, 2011, 106, 347-354.	2.7	27
27	An embedded portable biosensor system for bacterial concentration detection. Biosensors and Bioelectronics, 2010, 26, 983-990.	5.3	38
28	Total Bacterial Count in Soft-Frozen Dairy Products by Impedance Biosensor System. IEEE Sensors Journal, 2009, 9, 1270-1276.	2.4	31
29	Detection of microbial concentration in ice-cream using the impedance technique. Biosensors and Bioelectronics, 2008, 23, 1616-1623.	5.3	36
30	Optical Determination of Solid Fat Content in Fats and Oils: Effects of Wavelength on Estimated Accuracy. European Journal of Lipid Science and Technology, 0, , 2100071.	1.0	3