

Marco Grossi

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Fast and Accurate Determination of Olive Oil Acidity by Electrochemical Impedance Spectroscopy. <i>IEEE Sensors Journal</i> , 2014, 14, 2947-2954. | 2.4 | 50 |
| 5 | A Portable Sensor With Disposable Electrodes for Water Bacterial Quality Assessment. <i>IEEE Sensors Journal</i> , 2013, 13, 1775-1782. | 2.4 | 48 |
| 6 | An embedded portable biosensor system for bacterial concentration detection. <i>Biosensors and Bioelectronics</i> , 2010, 26, 983-990. | 5.3 | 38 |
| 7 | Detection of microbial concentration in ice-cream using the impedance technique. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1616-1623. | 5.3 | 36 |
| 8 | Total Bacterial Count in Soft-Frozen Dairy Products by Impedance Biosensor System. <i>IEEE Sensors Journal</i> , 2009, 9, 1270-1276. | 2.4 | 31 |
| 9 | An opto-electronic system for in-situ determination of peroxide value and total phenol content in olive oil. <i>Journal of Food Engineering</i> , 2015, 146, 1-7. | 2.7 | 28 |
| 10 | Energy Harvesting Strategies for Wireless Sensor Networks and Mobile Devices: A Review. <i>Electronics (Switzerland)</i> , 2021, 10, 661. | 1.8 | 28 |
| 11 | A novel technique to control ice cream freezing by electrical characteristics analysis. <i>Journal of Food Engineering</i> , 2011, 106, 347-354. | 2.7 | 27 |
| 12 | A novel electrochemical method for olive oil acidity determination. <i>Microelectronics Journal</i> , 2014, 45, 1701-1707. | 1.1 | 27 |
| 13 | Automatic ice-cream characterization by impedance measurements for optimal machine setting. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012, 45, 1747-1754. | 2.5 | 25 |
| 14 | 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 |
| 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 | 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 |
| 17 | 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 |
| 18 | A portable biosensor system for bacterial concentration measurements in cow's raw milk. , 2011, , . | | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Bacterial concentration detection using a portable embedded sensor system for environmental monitoring. , 2017, , . | | 7 |
| 21 | Sensors and Embedded Systems in Agriculture and Food Analysis. <i>Journal of Sensors</i> , 2019, 2019, 1-2. | 0.6 | 7 |
| 22 | 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 |
| 23 | 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 |
| 24 | A novel electrochemical method for olive oil acidity determination. , 2013, , . | | 5 |
| 25 | 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 |
| 26 | 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 |
| 27 | Optical Determination of Solid Fat Content in Fats and Oils: Effects of Wavelength on Estimated Accuracy. <i>European Journal of Lipid Science and Technology</i> , 0, , 2100071. | 1.0 | 3 |
| 28 | 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 |
| 29 | 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 |
| 30 | Evaluation of Olive Oil Quality Grade Using a Portable Battery-Operated Sensor System. , 2021, 5, . | | 0 |