

# Consolatina Liguori

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

367  
citations

932766

10  
h-index

940134

16  
g-index

41  
all docs

41  
docs citations

41  
times ranked

276  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Sound Level Meter featured with automatic estimation of the measurement uncertainty. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110409.	2.5	3
2	The Obtainable Uncertainty for the Frequency Evaluation of Tones with Different Spectral Analysis Techniques. Metrology, 2022, 2, 216-229.	0.9	2
3	Development of a new speed measurement technique based on deep learning. , 2022, , .		2
4	A novel image processing technique based on deep learning for water consumption detection. , 2022, , .		2
5	A Commentary on the Role of Noise Measurement Uncertainty in the Industrial Context. Lecture Notes in Mechanical Engineering, 2021, , 324-331.	0.3	0
6	Proposal for the automatic evaluation of workers' exposure to acoustic noise following task-based approach. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108534.	2.5	6
7	Three-dimensional scanning electron microscopy used as a profilometer for the surface characterization of polyethylene-coated paperboard. Nordic Pulp and Paper Research Journal, 2021, 36, 276-283.	0.3	3
8	Image Processing Technique for Improving the Sensitivity of Mechanical Register Water Meters to Very Small Leaks. Sensors, 2021, 21, 7251.	2.1	5
9	Separate Sound into STFT Frames to Eliminate Sound Noise Frames in Sound Classification. , 2021, , .		2
10	Quality Assessment of the Inshell Hazelnuts Based on TD-NMR Analysis. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3770-3779.	2.4	7
11	Indoor Silent Object Localization using Ambient Acoustic Noise Fingerprinting. , 2020, , .		4
12	A Measurement Software for Professional Training in Early Detection of Melanoma. Applied Sciences (Switzerland), 2020, 10, 4351.	1.3	1
13	Image based similarity detection in mechanical registers. , 2020, , .		1
14	Accurate Measurement of Reciprocating Kinetic Friction Coefficient Through Automatic Detection of the Running-In. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2398-2407.	2.4	3
15	Smart meters and water leakage detection: a preliminary study. , 2019, , .		7
16	A Statistical Approach for Improving the Accuracy of Dry Friction Coefficient Measurement. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1412-1423.	2.4	7
17	Accurate measurement of Kinetic Friction Coefficient by using two types of tribometer. , 2019, , .		1
18	A low-cost device for beer color measurement. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Data Fusion for Timber Bundle Volume Measurement. , 2019, , .		10
20	Accurate Estimation of the Environmental Noise Through Sampling Approach: Selection of the Measurement Time. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1006-1013.	2.4	11
21	Task-based measurements for estimating the workers' exposure to acoustic noise. , 2018, , .		4
22	Advanced TD-NMR based estimation of the inshell hazelnuts quality parameters. , 2018, , .		1
23	Accurate measurement of dry friction coefficient using reciprocating tribometer. , 2018, , .		3
24	Innovative bootstrap approach for the estimation of minimum measurement time interval in road traffic noise evaluation. Measurement: Journal of the International Measurement Confederation, 2017, 98, 237-242.	2.5	22
25	Hazelnut Oil Classification by NMR Techniques. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 928-934.	2.4	10
26	Choosing Bootstrap Method for the Estimation of the Uncertainty of Traffic Noise Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 869-878.	2.4	29
27	Estimation of the minimum measurement time interval in acoustic noise. Applied Acoustics, 2017, 127, 126-132.	1.7	21
28	Using a SVD-based algorithm for T&lt;inf&gt;2&lt;/inf&gt; spectrum calculation in TD-NMR application to detect hidden defects in hazelnuts. , 2017, , .		1
29	Influence of measurement time on acoustic noise uncertainty. , 2017, , .		11
30	Investigation of the NMR techniques to detect hidden defects in hazelnuts. , 2016, , .		6
31	A preliminary study on the estimation of the uncertainty of traffic noise measurements. , 2016, , .		9
32	Outlier Detection for the Evaluation of the Measurement Uncertainty of Environmental Acoustic Noise. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 234-242.	2.4	26
33	Towards the evaluation of the measurement uncertainty of environmental acoustic noise. , 2015, , .		14
34	A Proposal for the Management of the Measurement Uncertainty in Classification and Recognition Problems. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 392-402.	2.4	8
35	ISO/IEC/IEEE 21451 Smart Sensor Network for the Evaluation of Motorcycle Suspension Systems. IEEE Sensors Journal, 2015, 15, 2549-2558.	2.4	18
36	Characterization of motorcycle suspension systems: Comfort and handling performance evaluation. , 2013, , .		17

#	ARTICLE	IF	CITATIONS
37	Face Based Recognition Algorithms: A First Step Toward a Metrological Characterization. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1008-1016.	2.4	28
38	Illumination design in vision-based measurement systems. , 2013, , .		3
39	Winemaking Process Monitoring Based on a Biosensor Automatic System. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1909-1916.	2.4	13
40	Covariance Propagation for the Uncertainty Estimation in Stereo Vision. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1664-1673.	2.4	41
41	Parameter estimation of spectral components of a signal: comparison of techniques. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	2