

Giulio D'emilia

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

142
citations

1307594

7
h-index

1474206

9
g-index

21
all docs

21
docs citations

21
times ranked

97
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and numerical analysis of the defects induced by the thermoforming process on woven textile thermoplastic composites. <i>Engineering Failure Analysis</i> , 2022, 135, 106093.	4.0	4
2	Non-contact techniques based on a vision system for the inspection of composite material components: analysis of the influence quantities. <i>Journal of Physics: Conference Series</i> , 2022, 2293, 012012.	0.4	0
3	How simplifying a condition monitoring procedure affects its performances. , 2021, , .		2
4	Uncertainty Evaluation in Vision-Based Techniques for the Surface Analysis of Composite Material Components. <i>Sensors</i> , 2021, 21, 4875.	3.8	7
5	Assessment of the measurements contribution on composites thermoforming processes: a case study of an automotive component. , 2020, , .		5
6	Uncertainty assessment for measurement and simulation in selective laser melting: a case study of an aerospace part. <i>Acta IMEKO (2012)</i> , 2020, 9, 96.	0.7	13
7	The role of measurement and simulation in additive manufacturing within the frame of Industry 4.0. , 2019, , .		10
8	Mechatronics applications of measurements for smart manufacturing in an industry 4.0 scenario. <i>IEEE Instrumentation and Measurement Magazine</i> , 2019, 22, 35-43.	1.6	11
9	Physical and Metrological Approach for Featureâ€™s Definition and Selection in Condition Monitoring. <i>Sensors</i> , 2019, 19, 5186.	3.8	2
10	Calibration test bench for three-axis accelerometers An accurate and low-cost proposal. , 2018, , .		5
11	A proposal of uncertainty assessment for data of environmental testing: Using a machine learning procedure. , 2018, , .		1
12	Metrological interpretation of a six-sigma process for improving the online optical measurement of automotive turbocharger dimensions. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015, 229, 261-269.	1.9	9
13	Adjusting a distributed sensor system to the needs of commissioning as an opportunity for reduction of measurement uncertainty. , 2014, , .		0
14	Uncertainty analysis of high frequency image-based vibration measurements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 2630-2637.	5.0	27
15	Validation of a method for composition measurement of a non-standard liquid fuel for Emission Factor evaluation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2011, 44, 18-23.	5.0	10
16	Flow injection absorbance spectra time processing for the determination of Cr(VI) in the presence of Sn(II) as interfering substance. <i>Measurement Science and Technology</i> , 2007, 18, 707-714.	2.6	0
17	Use of neural networks for quick and accurate auto-tuning of PID controller. <i>Robotics and Computer-Integrated Manufacturing</i> , 2007, 23, 170-179.	9.9	35
18	Fiber optic sensor for use in flat dilatometer for geotechnical investigation. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
19	Online fully automated measurement of Cr(VI) concentration in water by a fiber optic probe: measurement accuracy improvement and evaluation. , 2004, , .		1
20	<title>Prototype of a fiber optic sensor for quick measurement of fiber optic eccentricity</title>. , 2001, 4399, 83.		0
21	A linear, low cost and versatile FM demodulator. Measurement Science and Technology, 1996, 7, 1673-1676.	2.6	0