Tiziana Segreto

List of Publications by Year
in descending order

31 papers	638 citations	516681 16 h-index	610883 24 g-index
31 all docs	31 docs citations	31 times ranked	531 citing authors

#	Article	IF	Citations
1	Drilling process monitoring: a framework for data gathering and feature extraction techniques. Procedia CIRP, 2021, 99, 189-195.	1.9	11
2	Determining Surface Topography of a Dressed Grinding Wheel Using Bio-Inspired DNA-Based Computing. Materials, 2021, 14, 1899.	2.9	5
3	Ultrasonic evaluation of induction heat treatment applied to thermoplastic matrix CFRP. Procedia CIRP, 2020, 88, 467-472.	1.9	3
4	Tool wear estimation in turning of Inconel 718 based on wavelet sensor signal analysis and machine learning paradigms. Production Engineering, 2020, 14, 693-705.	2.3	26
5	Cloud manufacturing architecture for part quality assessment. Cogent Engineering, 2020, 7, 1715524.	2.2	6
6	Smart Multi-Sensor Monitoring in Drilling of CFRP/CFRP Composite Material Stacks for Aerospace Assembly Applications. Applied Sciences (Switzerland), 2020, 10, 758.	2.5	37
7	Integration of reverse engineering and ultrasonic non-contact testing procedures for quality assessment of CFRP aeronautical components. Procedia CIRP, 2019, 79, 343-348.	1.9	6
8	Machine learning for in-process end-point detection in robot-assisted polishing using multiple sensor monitoring. International Journal of Advanced Manufacturing Technology, 2019, 103, 4173-4187.	3.0	22
9	Parametric Analysis of the Mandrel Geometrical Data in a Cold Expansion Process of Small Holes Drilled in Thick Plates. Materials, 2019, 12, 4105.	2.9	8
10	Cloud Manufacturing On-demand Services for Holistic Quality Assurance of Manufactured Components. Procedia CIRP, 2018, 67, 144-149.	1.9	13
11	Full-volume Ultrasonic Technique for 3D Thickness Reconstruction of CFRP Aeronautical Components. Procedia CIRP, 2018, 67, 434-439.	1.9	8
12	Non-contact Reverse Engineering Modeling for Additive Manufacturing of Down Scaled Cultural Artefacts. Procedia CIRP, 2017, 62, 481-486.	1.9	20
13	Signal processing and pattern recognition for surface roughness assessment in multiple sensor monitoring of robot-assisted polishing. International Journal of Advanced Manufacturing Technology, 2017, 90, 1023-1033.	3.0	24
14	Vibration Sensor Monitoring of Nickel-Titanium Alloy Turning for Machinability Evaluation. Sensors, 2017, 17, 2885.	3.8	14
15	Cloud Manufacturing Framework for Smart Monitoring of Machining. Procedia CIRP, 2016, 55, 248-253.	1.9	47
16	Quality Assurance of Brazed Copper Plates through Advanced Ultrasonic NDE. Procedia CIRP, 2016, 55, 194-199.	1.9	9
17	Advanced Sensor Signal Feature Extraction and Pattern Recognition for Wire EDM Process Monitoring. Procedia CIRP, 2016, 42, 34-39.	1.9	16
18	Advanced Ultrasonic Non-destructive Evaluation for Metrological Analysis and Quality Assessment of Impact Damaged Non-crimp Fabric Composites. Procedia CIRP, 2016, 41, 1055-1060.	1.9	21

#	Article	IF	Citations
19	Neuro-fuzzy System Implementation in Multiple Sensor Monitoring for Ni-Ti Alloy Machinability Evaluation. Procedia CIRP, 2015, 37, 193-198.	1.9	14
20	Cognitive Decision Making in Multiple Sensor Monitoring of Robot Assisted Polishing. Procedia CIRP, 2015, 33, 333-338.	1.9	13
21	Feature Extraction and Pattern Recognition in Acoustic Emission Monitoring of Robot Assisted Polishing. Procedia CIRP, 2015, 28, 22-27.	1.9	23
22	Principal component analysis for feature extraction and NN pattern recognition in sensor monitoring of chip form during turning. CIRP Journal of Manufacturing Science and Technology, 2014, 7, 202-209.	4.5	44
23	Residual Stress Condition Monitoring via Sensor Fusion in Turning of Inconel 718. Procedia CIRP, 2013, 12, 67-72.	1.9	19
24	Residual Stress Assessment in Inconel 718 Machining Through Wavelet Sensor Signal Analysis and Sensor Fusion Pattern Recognition. Procedia CIRP, 2013, 9, 103-108.	1.9	19
25	Assessment of laser-based reverse engineering systems for tangible cultural heritage conservation. International Journal of Computer Integrated Manufacturing, 2013, 26, 857-865.	4.6	16
26	Multiple Sensor Monitoring in Nickel Alloy Turning for Tool Wear Assessment via Sensor Fusion. Procedia CIRP, 2013, 12, 85-90.	1.9	50
27	Sensor Fusion for Tool State Classification in Nickel Superalloy High Performance Cutting. Procedia CIRP, 2012, 1, 593-598.	1.9	27
28	Chip form Classification in Carbon Steel Turning through Cutting Force Measurement and Principal Component Analysis. Procedia CIRP, 2012, 2, 49-54.	1.9	24
29	ANN tool wear modelling in the machining of nickel superalloy industrial products. CIRP Journal of Manufacturing Science and Technology, 2011, 4, 33-37.	4.5	45
30	Chip Form Monitoring through Advanced Processing of Cutting Force Sensor Signals. CIRP Annals - Manufacturing Technology, 2006, 55, 75-80.	3.6	42
31	Non-Destructive Testing of Low-Velocity Impacted Composite Material Laminates through Ultrasonic Inspection Methods. , 0, , .		6