Tiziana Segreto

List of Publications by Year in Descending Order

31 papers	**480** citations	**15** h-index	**20** g-index
31 ext. papers	**568** ext. citations	**2.4** avg, IF	**4.15** L-index

#	Paper	IF	Citations
31	Determining Surface Topography of a Dressed Grinding Wheel Using Bio-Inspired DNA-Based Computing. *Materials*, **2021**, 14,	3.5	1
30	Drilling process monitoring: a framework for data gathering and feature extraction techniques. *Procedia CIRP*, **2021**, 99, 189-195	1.8	3
29	Cloud manufacturing architecture for part quality assessment. *Cogent Engineering*, **2020**, 7, 1715524	1.5	3
28	Smart Multi-Sensor Monitoring in Drilling of CFRP/CFRP Composite Material Stacks for Aerospace Assembly Applications. *Applied Sciences (Switzerland)*, **2020**, 10, 758	2.6	18
27	Ultrasonic evaluation of induction heat treatment applied to thermoplastic matrix CFRP. *Procedia CIRP*, **2020**, 88, 467-472	1.8	0
26	Tool wear estimation in turning of Inconel 718 based on wavelet sensor signal analysis and machine learning paradigms. *Production Engineering*, **2020**, 14, 693-705	1.9	6
25	Integration of reverse engineering and ultrasonic non-contact testing procedures for quality assessment of CFRP aeronautical components. *Procedia CIRP*, **2019**, 79, 343-348	1.8	5
24	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	3.2	12
23	Non-Destructive Testing of Low-Velocity Impacted Composite Material Laminates through Ultrasonic Inspection Methods **2019**,		5
22	Parametric Analysis of the Mandrel Geometrical Data in a Cold Expansion Process of Small Holes Drilled in Thick Plates. *Materials*, **2019**, 12,	3.5	6
21	Cloud Manufacturing On-demand Services for Holistic Quality Assurance of Manufactured Components. *Procedia CIRP*, **2018**, 67, 144-149	1.8	11
20	Full-volume Ultrasonic Technique for 3D Thickness Reconstruction of CFRP Aeronautical Components. *Procedia CIRP*, **2018**, 67, 434-439	1.8	6
19	Non-contact Reverse Engineering Modeling for Additive Manufacturing of Down Scaled Cultural Artefacts. *Procedia CIRP*, **2017**, 62, 481-486	1.8	16
18	Vibration Sensor Monitoring of Nickel-Titanium Alloy Turning for Machinability Evaluation. *Sensors*, **2017**, 17,	3.8	9
17	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	3.2	21
16	Advanced Ultrasonic Non-destructive Evaluation for Metrological Analysis and Quality Assessment of Impact Damaged Non-crimp Fabric Composites. *Procedia CIRP*, **2016**, 41, 1055-1060	1.8	17
15	Cloud Manufacturing Framework for Smart Monitoring of Machining. *Procedia CIRP*, **2016**, 55, 248-253	1.8	41

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14	Quality Assurance of Brazed Copper Plates through Advanced Ultrasonic NDE. *Procedia CIRP*, **2016**, 55, 194-199	1.8	6
13	Advanced Sensor Signal Feature Extraction and Pattern Recognition for Wire EDM Process Monitoring. *Procedia CIRP*, **2016**, 42, 34-39	1.8	13
12	Neuro-fuzzy System Implementation in Multiple Sensor Monitoring for Ni-Ti Alloy Machinability Evaluation. *Procedia CIRP*, **2015**, 37, 193-198	1.8	12
11	Cognitive Decision Making in Multiple Sensor Monitoring of Robot Assisted Polishing. *Procedia CIRP*, **2015**, 33, 333-338	1.8	9
10	Feature Extraction and Pattern Recognition in Acoustic Emission Monitoring of Robot Assisted Polishing. *Procedia CIRP*, **2015**, 28, 22-27	1.8	19
9	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	3.4	38
8	Residual Stress Condition Monitoring via Sensor Fusion in Turning of Inconel 718. *Procedia CIRP*, **2013**, 12, 67-72	1.8	15
7	Residual Stress Assessment in Inconel 718 Machining Through Wavelet Sensor Signal Analysis and Sensor Fusion Pattern Recognition. *Procedia CIRP*, **2013**, 9, 103-108	1.8	16
6	Assessment of laser-based reverse engineering systems for tangible cultural heritage conservation. *International Journal of Computer Integrated Manufacturing*, **2013**, 26, 857-865	4.3	15
5	Multiple Sensor Monitoring in Nickel Alloy Turning for Tool Wear Assessment via Sensor Fusion. *Procedia CIRP*, **2013**, 12, 85-90	1.8	42
4	Sensor Fusion for Tool State Classification in Nickel Superalloy High Performance Cutting. *Procedia CIRP*, **2012**, 1, 593-598	1.8	25
3	Chip form Classification in Carbon Steel Turning through Cutting Force Measurement and Principal Component Analysis. *Procedia CIRP*, **2012**, 2, 49-54	1.8	20
2	ANN tool wear modelling in the machining of nickel superalloy industrial products. *CIRP Journal of Manufacturing Science and Technology*, **2011**, 4, 33-37	3.4	37
1	Chip Form Monitoring through Advanced Processing of Cutting Force Sensor Signals. *CIRP Annals - Manufacturing Technology*, **2006**, 55, 75-80	4.9	33