

Antonio Scippa

List of Publications by Year in descending order

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53
papers

1,540
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361296
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docs citations

55
times ranked

1131
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Optimization of process parameters using a Response Surface Method for minimizing power consumption in the milling of carbon steel. <i>Journal of Cleaner Production</i> , 2014, 66, 309-316. | 4.6 | 174 |
| 2 | Selection of Optimal Process Parameters for Wire Arc Additive Manufacturing. <i>Procedia CIRP</i> , 2017, 62, 470-474. | 1.0 | 108 |
| 3 | Finite Element Modelling of Wire-arc-additive-manufacturing Process. <i>Procedia CIRP</i> , 2016, 55, 109-114. | 1.0 | 96 |
| 4 | Speed-varying cutting force coefficient identification in milling. <i>Precision Engineering</i> , 2015, 42, 321-334. | 1.8 | 94 |
| 5 | Idle time selection for wire-arc additive manufacturing: A finite element-based technique. <i>Additive Manufacturing</i> , 2018, 21, 479-486. | 1.7 | 88 |
| 6 | Optimization of WAAM Deposition Patterns for T-crossing Features. <i>Procedia CIRP</i> , 2016, 55, 95-100. | 1.0 | 81 |
| 7 | Prediction of Milling Cutting Force Coefficients for Aluminum 6082-T4. <i>Procedia CIRP</i> , 2012, 1, 563-568. | 1.0 | 62 |
| 8 | Improved dynamic compensation for accurate cutting force measurements in milling applications. <i>Mechanical Systems and Signal Processing</i> , 2015, 54-55, 314-324. | 4.4 | 56 |
| 9 | Cutting Forces Analysis in Additive Manufactured AISI H13 Alloy. <i>Procedia CIRP</i> , 2016, 46, 476-479. | 1.0 | 56 |
| 10 | Heat accumulation prevention in Wire-Arc-Additive-Manufacturing using air jet impingement. <i>Manufacturing Letters</i> , 2018, 17, 14-18. | 1.1 | 56 |
| 11 | Spindle speed ramp-up test: A novel experimental approach for chatter stability detection. <i>International Journal of Machine Tools and Manufacture</i> , 2015, 89, 221-230. | 6.2 | 48 |
| 12 | FEM based Cutting Velocity Selection for Thin Walled Part Machining. <i>Procedia CIRP</i> , 2014, 14, 287-292. | 1.0 | 45 |
| 13 | Chatter Stability Prediction in Milling Using Speed-varying Cutting Force Coefficients. <i>Procedia CIRP</i> , 2014, 14, 170-175. | 1.0 | 41 |
| 14 | Optimal workpiece orientation to reduce the energy consumption of a milling process. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2015, 2, 5-13. | 2.7 | 39 |
| 15 | Finite Element mesh coarsening for effective distortion prediction in Wire Arc Additive Manufacturing. <i>Additive Manufacturing</i> , 2017, 18, 145-155. | 1.7 | 38 |
| 16 | Improved experimental-analytical approach to compute speed-varying tool-tip FRF. <i>Precision Engineering</i> , 2017, 48, 114-122. | 1.8 | 37 |
| 17 | Axis geometrical errors analysis through a performance test to evaluate kinematic error in a five axis tilting-rotary table machine tool. <i>Precision Engineering</i> , 2015, 39, 224-233. | 1.8 | 32 |
| 18 | On the generation of chatter marks in peripheral milling: A spectral interpretation. <i>International Journal of Machine Tools and Manufacture</i> , 2018, 133, 31-46. | 6.2 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Feature based three axes computer aided manufacturing software for wire arc additive manufacturing dedicated to thin walled components. Additive Manufacturing, 2018, 22, 643-657. | 1.7 | 30 |
| 20 | Improved RCSA technique for efficient tool-tip dynamics prediction. Precision Engineering, 2016, 44, 152-162. | 1.8 | 28 |
| 21 | Mitigation of chatter instabilities in milling using an active fixture with a novel control strategy. International Journal of Advanced Manufacturing Technology, 2017, 89, 2771-2787. | 1.5 | 23 |
| 22 | 3D Finite Element Modeling of Holder-Tool Assembly for Stability Prediction in Milling. Procedia CIRP, 2015, 31, 527-532. | 1.0 | 20 |
| 23 | Milled Surface Generation Model for Chip Thickness Detection in Peripheral Milling. Procedia CIRP, 2013, 8, 450-455. | 1.0 | 16 |
| 24 | A heuristic approach to meet geometric tolerance in High Pressure Die Casting. Simulation Modelling Practice and Theory, 2012, 22, 109-122. | 2.2 | 14 |
| 25 | Intelligent Fixtures for Active Chatter Control in Milling. Procedia CIRP, 2016, 55, 176-181. | 1.0 | 14 |
| 26 | Investigating Actuation Strategies in Active Fixtures for Chatter Suppression. Procedia CIRP, 2016, 46, 311-314. | 1.0 | 14 |
| 27 | Process Parameters Optimization of Thin-Wall Machining for Wire Arc Additive Manufactured Parts. Applied Sciences (Switzerland), 2020, 10, 7575. | 1.3 | 14 |
| 28 | Chatter stability prediction for high-speed milling through a novel experimental-analytical approach. International Journal of Advanced Manufacturing Technology, 2017, 89, 2587-2601. | 1.5 | 13 |
| 29 | Finished Surface Simulation Method to Predicting the Effects of Machine Tool Motion Errors. International Journal of Automation Technology, 2014, 8, 801-810. | 0.5 | 13 |
| 30 | Two-points-based receptance coupling method for tool-tip dynamics prediction. Machining Science and Technology, 2017, 21, 136-156. | 1.4 | 12 |
| 31 | Investigation and Correction of Actual Microphone Response for Chatter Detection in Milling Operations. Measurement and Control, 2017, 50, 45-52. | 0.9 | 12 |
| 32 | Surface location error prediction in 2.5-axis peripheral milling considering tool dynamic stiffness variation. Precision Engineering, 2022, 76, 95-109. | 1.8 | 12 |
| 33 | Effects of cutting conditions on forces and force coefficients in plunge milling operations. Advances in Mechanical Engineering, 2015, 7, 168781401558954. | 0.8 | 11 |
| 34 | Fixture Optimization in Turning Thin-Wall Components. Machines, 2019, 7, 68. | 1.2 | 11 |
| 35 | On the effect of testing uncertainties in the homologation tests of motorcycle helmets according to ECE 22.05. International Journal of Crashworthiness, 2011, 16, 523-536. | 1.1 | 10 |
| 36 | Speed-varying Machine Tool Dynamics Identification Through Chatter Detection and Receptance Coupling. Procedia CIRP, 2016, 55, 77-82. | 1.0 | 10 |

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|----|--|-----|-----------|
| 37 | A novel experimental-numerical approach to modeling machine tool dynamics for chatter stability prediction. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2016, 10, JAMDSM0019-JAMDSM0019. | 0.3 | 8 |
| 38 | Numerical investigation of chatter suppression in milling using active fixtures in open-loop control. JVC/Journal of Vibration and Control, 2018, 24, 1757-1773. | 1.5 | 8 |
| 39 | Air-Cooling Influence on Wire Arc Additive Manufactured Surfaces. Key Engineering Materials, 0, 813, 241-247. | 0.4 | 8 |
| 40 | Influence of Motion Error of Translational and Rotary Axes onto Machined Surface Generated by Simultaneous Five-axis Motion. Procedia CIRP, 2014, 14, 269-274. | 1.0 | 7 |
| 41 | Workpiece Orientation and Tooling Selection to Reduce the Environmental Impact of Milling Operations. Procedia CIRP, 2014, 14, 575-580. | 1.0 | 7 |
| 42 | Design of An Active Workpiece Holder. Procedia CIRP, 2015, 34, 217-222. | 1.0 | 7 |
| 43 | A Dedicated Design Strategy for Active Boring Bar. Applied Sciences (Switzerland), 2019, 9, 3541. | 1.3 | 7 |
| 44 | Extended classification of surface errors shapes in peripheral end-milling operations. Journal of Manufacturing Processes, 2021, 71, 604-624. | 2.8 | 6 |
| 45 | Environmental Impact Reduction for a Turning Process: Comparative Analysis of Lubrication and Cutting Inserts Substitution Strategies. Procedia CIRP, 2016, 55, 200-205. | 1.0 | 4 |
| 46 | Specific Cutting Forces of Isotropic and Orthotropic Engineered Wood Products by Round Shape Machining. Materials, 2018, 11, 2575. | 1.3 | 4 |
| 47 | Analytical " FE simulation of a multi-jet electrospinning process to predict material flow. Simulation Modelling Practice and Theory, 2015, 52, 135-148. | 2.2 | 3 |
| 48 | Forces Shapes in 3-Axis End-Milling: Classification and Characteristic Equations. Journal of Manufacturing and Materials Processing, 2021, 5, 117. | 1.0 | 3 |
| 49 | Design and Testing of a WAAM Retrofit Kit for Repairing Operations on a Milling Machine. Machines, 2021, 9, 322. | 1.2 | 3 |
| 50 | Surface error shape identification for 3-axis milling operations. Procedia CIRP, 2021, 101, 126-129. | 1.0 | 2 |
| 51 | 0605 Time domain simulation model for active fixturing in milling. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2015, 2015.8, _0605-1_-_0605-6_. | 0.0 | 2 |
| 52 | Development of an artificial vision system for the automatic evaluation of the cutting angles of worn tools. Advances in Mechanical Engineering, 2016, 8, 168781401663659. | 0.8 | 1 |
| 53 | Case Study 1.3: Auto-adaptive Vibrations and Instabilities Suppression in General Milling Operations. Lecture Notes in Production Engineering, 2018, , 39-55. | 0.3 | 0 |