

Jiri Klich

List of Publications by Year in descending order

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28
papers

344
citations

840776

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794594

19
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all docs

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docs citations

30
times ranked

193
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Surface integrity and residual stress analysis of pulsed water jet peened stainless steel surfaces. Measurement: Journal of the International Measurement Confederation, 2019, 143, 81-92. | 5.0 | 50 |
| 2 | Hydrodynamic ductile erosion of aluminium by a pulsed water jet moving in an inclined trajectory. Wear, 2019, 428-429, 178-192. | 3.1 | 36 |
| 3 | Investigation of sandstone erosion by continuous and pulsed water jets. Journal of Manufacturing Processes, 2019, 42, 121-130. | 5.9 | 34 |
| 4 | Surface integrity analysis of abrasive water jet-cut surfaces of friction stir welded joints. International Journal of Advanced Manufacturing Technology, 2017, 88, 1687-1701. | 3.0 | 33 |
| 5 | Sandstone Turning by Abrasive Waterjet. Rock Mechanics and Rock Engineering, 2015, 48, 2489-2493. | 5.4 | 32 |
| 6 | Pulsating water jet erosion effect on a brass flat solid surface. International Journal of Advanced Manufacturing Technology, 2018, 97, 1099-1112. | 3.0 | 22 |
| 7 | Effects of Water Jet on Heat-Affected Concretes. Procedia Engineering, 2013, 57, 1036-1044. | 1.2 | 20 |
| 8 | Comparison of ultrasonically enhanced pulsating water jet erosion efficiency on mechanical surface treatment on the surface of aluminum alloy and stainless steel. International Journal of Advanced Manufacturing Technology, 2019, 103, 1647-1656. | 3.0 | 19 |
| 9 | Influence of Various Modified Surface of Aluminium Alloy on the Effect of Pulsating Water Jet. Strojniski Vestnik/Journal of Mechanical Engineering, 2017, 63, 577-582. | 1.1 | 16 |
| 10 | Surface Integrity Evaluation of Brass CW614N after Impact of Acoustically Excited Pulsating Water Jet. Procedia Engineering, 2016, 149, 236-244. | 1.2 | 13 |
| 11 | Influence of frequency change during sandstone erosion by pulsed waterjet. Materials and Manufacturing Processes, 2020, 35, 187-194. | 4.7 | 11 |
| 12 | Effects of Continuous and Pulsating Water Jet on CNT/Concrete Composite. Strojniski Vestnik/Journal of Mechanical Engineering, 2017, 63, 583-589. | 1.1 | 11 |
| 13 | Study of the Effect of Material Machinability on Quality of Surface Created by Abrasive Water Jet. Procedia Engineering, 2016, 149, 177-182. | 1.2 | 10 |
| 14 | Surface Treatment of AISI 304 Using Pulsating Water Jet Peening. Lecture Notes in Mechanical Engineering, 2018, , 535-548. | 0.4 | 8 |
| 15 | Analysis of the Pulsating Water Jet Maximum Erosive Effect on Stainless Steel. Lecture Notes in Mechanical Engineering, 2019, , 233-241. | 0.4 | 6 |
| 16 | Effect of pulsating water jet disintegration on hardness and elasticity modulus of austenitic stainless steel AISI 304L. International Journal of Advanced Manufacturing Technology, 2020, 107, 2719-2730. | 3.0 | 6 |
| 17 | COMPARISON OF THE ACTUAL COSTS DURING REMOVAL OF CONCRETE LAYER BY HIGH-SPEED WATER JETS. Journal of Business Economics and Management, 2012, 13, 763-775. | 2.4 | 4 |
| 18 | Effect of Frequency Change During Pulsed Waterjet Interaction with Stainless Steel. Lecture Notes in Mechanical Engineering, 2019, , 85-96. | 0.4 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The Use of Areal Parameters for the Analysis of the Surface Machined Using the Abrasive Waterjet Technology. Lecture Notes in Mechanical Engineering, 2019, , 36-44. | 0.4 | 3 |
| 20 | Laboratory Experiments on Effects of Water Jet on Heat-Affected Concretes. Applied Mechanics and Materials, 2013, 459, 650-657. | 0.2 | 2 |
| 21 | Evaluation of Possibility of AISI 304 Stainless Steel Mechanical Surface Treatment with Ultrasonically Enhanced Pulsating Water Jet. Lecture Notes in Mechanical Engineering, 2019, , 163-172. | 0.4 | 2 |
| 22 | Effect of Ventilation to Abrasive Suspension Jet Under Submerged Condition. Lecture Notes in Mechanical Engineering, 2021, , 28-35. | 0.4 | 1 |
| 23 | Comparison of Non-destructive Sensing Methods on Surface Created by Waterjet Technology. Lecture Notes in Mechanical Engineering, 2019, , 114-123. | 0.4 | 0 |
| 24 | Drilling Difficult-to-Machine Al ₂ O ₃ Ceramics Using an Injection Abrasive Water Jet. Lecture Notes in Mechanical Engineering, 2021, , 41-49. | 0.4 | 0 |
| 25 | Preliminary Testing of Production Thin-Walled Ribs into Aluminum Alloy AW6060 Using the Abrasive Water Jet. Lecture Notes in Mechanical Engineering, 2021, , 75-86. | 0.4 | 0 |
| 26 | Evaluation of Surface Topography Created by Abrasive Suspension Jet Under Submerged Condition. Lecture Notes in Mechanical Engineering, 2021, , 99-104. | 0.4 | 0 |
| 27 | Creating a Database for Turned Surfaces. Lecture Notes in Mechanical Engineering, 2021, , 105-114. | 0.4 | 0 |
| 28 | Effect of the Ultrasonically Enhanced Water Jet on Copper Surface Topography at a Low Traverse Speed. Lecture Notes in Mechanical Engineering, 2021, , 126-134. | 0.4 | 0 |