

Xiaolei Guo

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

301
citations

840776

11
h-index

996975

15
g-index

32
all docs

32
docs citations

32
times ranked

78
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Energy Efficiency Optimization for Machining of Wood Plastic Composite. <i>Machines</i> , 2022, 10, 104. | 2.2 | 13 |
| 2 | Machinability of Different Wood-Plastic Composites during Peripheral Milling. <i>Materials</i> , 2022, 15, 1303. | 2.9 | 16 |
| 3 | Built-up edge formation mechanisms in orthogonal cutting of wood-plastic composite. <i>Wood Material Science and Engineering</i> , 2022, 17, 388-396. | 2.3 | 4 |
| 4 | Assessment of Surface Roughness in Milling of Beech Using a Response Surface Methodology and an Adaptive Network-Based Fuzzy Inference System. <i>Machines</i> , 2022, 10, 567. | 2.2 | 16 |
| 5 | Machinability of wood fiber/polyethylene composite during orthogonal cutting. <i>Wood Science and Technology</i> , 2021, 55, 521-534. | 3.2 | 17 |
| 6 | Discrete wavelet transformation and genetic algorithm “ back propagation neural network applied in monitoring woodworking tool wear conditions in the milling operation spindle power signals. <i>BioResources</i> , 2021, 16, 2369-2384. | 1.0 | 3 |
| 7 | Cutting forces and cutting quality in the up-milling of solid wood using ceramic cutting tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 1575-1584. | 3.0 | 7 |
| 8 | Morphology, mechanism and kerf variation during CO2 laser cutting pine wood. <i>Journal of Manufacturing Processes</i> , 2021, 68, 13-22. | 5.9 | 10 |
| 9 | Prediction of cutting temperature in the milling of wood-plastic composite using artificial neural network. <i>BioResources</i> , 2021, 16, 6993-7005. | 1.0 | 2 |
| 10 | Milling performance of stone“plastic composite with diamond cutters. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2021, 52, 1307-1318. | 0.9 | 10 |
| 11 | High-quality and high-efficiency machining of stone-plastic composite with diamond helical cutters. <i>Journal of Manufacturing Processes</i> , 2020, 58, 914-922. | 5.9 | 20 |
| 12 | Assessment of Cutting Forces and Temperature in Tapered Milling of Stone“Plastic Composite Using Response Surface Methodology. <i>Jom</i> , 2020, 72, 3917-3925. | 1.9 | 16 |
| 13 | Dimensional stability of glass fiber reinforced poplar scrimber. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 1364-1371. | 0.9 | 1 |
| 14 | Cutting Force and Cutting Quality during Tapered Milling of Glass Magnesium Board. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2533. | 2.5 | 8 |
| 15 | Machinability of Luxury Vinyl Tiles during Plain Milling Using a Helical Cutter. <i>Materials</i> , 2019, 12, 2174. | 2.9 | 7 |
| 16 | Cutting forces and chip formation revisited based on orthogonal cutting of Scots pine. <i>Holzforschung</i> , 2019, 73, 131-138. | 1.9 | 6 |
| 17 | Effect of rake angle on cutting performance during machining of stone-plastic composite material with polycrystalline diamond cutters. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 351-356. | 1.5 | 22 |
| 18 | Machinability of Stone“Plastic Materials During Diamond Planing. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1373. | 2.5 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Effect of Cutting Speed on Machinability of Stone-Plastic Composite Material. Science of Advanced Materials, 2019, 11, 884-892. | 0.7 | 9 |
| 20 | The cutting performance of Al ₂ O ₃ and Si ₃ N ₄ ceramic cutting tools in the milling plywood. Advances in Applied Ceramics, 2018, 117, 16-22. | 1.1 | 23 |
| 21 | Cutting performance of cemented carbide cutting tool in turning high-density fiberboard. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 1476-1484. | 0.9 | 2 |
| 22 | Forces and Heat Variation Laws of Pine Materials Processing and Microcosmic Characteristics of Surface Damage. BioResources, 2018, 13, . | 1.0 | 1 |
| 23 | Machinability investigation in turning of high density fiberboard. PLoS ONE, 2018, 13, e0203838. | 2.5 | 2 |
| 24 | RESEARCH ON CUTTING FORCES AND CUTTING TEMPERATURE IN ORTHOGONAL CUTTING SOFTWOOD AND HARDWOOD PARALLEL TO GRAIN. Wood and Fiber Science, 2018, 50, 458-464. | 0.6 | 0 |
| 25 | The effects of cutting parameters and tool geometry on cutting forces and tool wear in milling high-density fiberboard with ceramic cutting tools. International Journal of Advanced Manufacturing Technology, 2017, 91, 4033-4041. | 3.0 | 32 |
| 26 | Architectural (decorative) natural fiber composites for construction. , 2017, , 425-445. | | 2 |
| 27 | Investigation of Shear Strength of Engineered Wood Flooring Bonded with PUR by Response Surface Methodology. BioResources, 2017, 12, . | 1.0 | 3 |
| 28 | Curve sawing effects on board dimensions when rip-sawing with a circular saw blade. Wood Material Science and Engineering, 2016, 11, 135-141. | 2.3 | 0 |
| 29 | Evaluation of Physical and Mechanical Properties of Fiber-Reinforced Poplar Scrimber. BioResources, 2016, 12, . | 1.0 | 5 |
| 30 | Cutting Forces and Chip Morphology during Wood Plastic Composites Orthogonal Cutting. BioResources, 2014, 9, . | 1.0 | 13 |
| 31 | Tool Wear and Machined Surface Roughness during Wood Flour/Polyethylene Composite Peripheral Up-milling using Cemented Tungsten Carbide Tools. BioResources, 2014, 9, . | 1.0 | 14 |
| 32 | Investigation on Milling Quality of Stone-Plastic Composite Using Response Surface Methodology. Jom, 0, , 1. | 1.9 | 9 |