

Xiaolei Guo

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	The effects of cutting parameters and tool geometry on cutting forces and tool wear in milling high-density fiberboard with ceramic cutting tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 4033-4041.	3.0	32
2	The cutting performance of Al ₂ O ₃ and Si ₃ N ₄ ceramic cutting tools in the milling plywood. <i>Advances in Applied Ceramics</i> , 2018, 117, 16-22.	1.1	23
3	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
4	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
5	Machinability of wood fiber/polyethylene composite during orthogonal cutting. <i>Wood Science and Technology</i> , 2021, 55, 521-534.	3.2	17
6	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
7	Machinability of Different Wood-Plastic Composites during Peripheral Milling. <i>Materials</i> , 2022, 15, 1303.	2.9	16
8	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
9	Tool Wear and Machined Surface Roughness during Wood Flour/Polyethylene Composite Peripheral Up-milling using Cemented Tungsten Carbide Tools. <i>BioResources</i> , 2014, 9, .	1.0	14
10	Cutting Forces and Chip Morphology during Wood Plastic Composites Orthogonal Cutting. <i>BioResources</i> , 2014, 9, .	1.0	13
11	Energy Efficiency Optimization for Machining of Wood Plastic Composite. <i>Machines</i> , 2022, 10, 104.	2.2	13
12	Morphology, mechanism and kerf variation during CO2 laser cutting pine wood. <i>Journal of Manufacturing Processes</i> , 2021, 68, 13-22.	5.9	10
13	Milling performance of stone-plastic composite with diamond cutters. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2021, 52, 1307-1318.	0.9	10
14	Effect of Cutting Speed on Machinability of Stone-Plastic Composite Material. <i>Science of Advanced Materials</i> , 2019, 11, 884-892.	0.7	9
15	Investigation on Milling Quality of Stone-Plastic Composite Using Response Surface Methodology. <i>Jom</i> , 0, , 1.	1.9	9
16	Cutting Force and Cutting Quality during Tapered Milling of Glass Magnesium Board. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2533.	2.5	8
17	Machinability of Stone-Plastic Materials During Diamond Planing. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1373.	2.5	8
18	Machinability of Luxury Vinyl Tiles during Plain Milling Using a Helical Cutter. <i>Materials</i> , 2019, 12, 2174.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Cutting forces and cutting quality in the up-milling of solid wood using ceramic cutting tools. International Journal of Advanced Manufacturing Technology, 2021, 114, 1575-1584.	3.0	7
20	Cutting forces and chip formation revisited based on orthogonal cutting of Scots pine. Holzforschung, 2019, 73, 131-138.	1.9	6
21	Evaluation of Physical and Mechanical Properties of Fiber-Reinforced Poplar Scrimber. BioResources, 2016, 12, .	1.0	5
22	Built-up edge formation mechanisms in orthogonal cutting of wood-plastic composite. Wood Material Science and Engineering, 2022, 17, 388-396.	2.3	4
23	Discrete wavelet transformation and genetic algorithm “ back propagation neural network applied in monitoring woodworking tool wear conditions in the milling operation spindle power signals. BioResources, 2021, 16, 2369-2384.	1.0	3
24	Investigation of Shear Strength of Engineered Wood Flooring Bonded with PUR by Response Surface Methodology. BioResources, 2017, 12, .	1.0	3
25	Architectural (decorative) natural fiber composites for construction. , 2017, , 425-445.		2
26	Cutting performance of cemented carbide cutting tool in turning high-density fiberboard. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 1476-1484.	0.9	2
27	Machinability investigation in turning of high density fiberboard. PLoS ONE, 2018, 13, e0203838.	2.5	2
28	Prediction of cutting temperature in the milling of wood-plastic composite using artificial neural network. BioResources, 2021, 16, 6993-7005.	1.0	2
29	Forces and Heat Variation Laws of Pine Materials Processing and Microcosmic Characteristics of Surface Damage. BioResources, 2018, 13, .	1.0	1
30	Dimensional stability of glass fiber reinforced poplar scrimber. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 1364-1371.	0.9	1
31	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
32	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