

Miroslav Gašparák

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The effect of synthetic and natural fire-retardants on burning and chemical characteristics of thermally modified teak (<i>Tectona grandis</i> L. f.) wood. <i>Construction and Building Materials</i> , 2019, 200, 551-558.	3.2	34
2	Color and chemical changes in teak (<i>Tectona grandis</i> L. f.) and meranti (<i>Shorea</i> spp.) wood after thermal treatment. <i>BioResources</i> , 2019, 14, 2667-2683.	0.5	26
3	Impact of thermal modification on the chemical changes and impact bending strength of European oak and Norway spruce wood. <i>Composite Structures</i> , 2019, 216, 80-88.	3.1	22
4	Stress simulation in layered wood-based materials under mechanical loading. <i>Materials and Design</i> , 2015, 87, 1065-1071.	3.3	16
5	Bending characteristics of hardwood lamellae in the elastic region. <i>Composites Part B: Engineering</i> , 2017, 116, 61-75.	5.9	15
6	Influence of Densification on Bending Strength of Laminated Beech Wood. <i>BioResources</i> , 2014, 10, .	0.5	14
7	Effect of Number of Saw Blade Teeth on Noise Level and Wear of Blade Edges during Cutting of Wood. <i>BioResources</i> , 2014, 10, .	0.5	14
8	Bendability characteristics of wood lamellae in plastic region. <i>Composite Structures</i> , 2017, 163, 410-422.	3.1	14
9	The Dependence of Surface Quality on Tool Wear of Circular Saw Blades during Transversal Sawing of Beech Wood. <i>BioResources</i> , 2015, 10, .	0.5	13
10	Effect of Plasticizing by Microwave Heating on Bending Characteristics of Beech Wood. <i>BioResources</i> , 2014, 9, .	0.5	12
11	Interaction of technical and technological factors on qualitative and energy/ecological/economic indicators in the production and processing of thermally modified merbau wood. <i>Journal of Cleaner Production</i> , 2020, 252, 119793.	4.6	11
12	Surface Quality of Milled Birch Wood after Thermal Treatment at Various Temperatures. <i>BioResources</i> , 2015, 10, .	0.5	10
13	Effect of Tool and Milling Parameters on the Size Distribution of Splinters of Planed Native and Thermally Modified Beech Wood. <i>BioResources</i> , 2013, 9, .	0.5	10
14	Power consumption during edge milling of medium-density fiberboard and edge-glued panel. <i>BioResources</i> , 2017, 12, 7413-7426.	0.5	10
15	Effect of thermal modification on properties and milling behaviour of African padouk (<i>Pterocarpus</i>) Tj ETQq1 1 0.784314 rgBT ₅ /Overlook	2.6	10
16	Changes in Temperature and Moisture Content in Beech Wood Plasticized by Microwave Heating. <i>BioResources</i> , 2013, 8, .	0.5	8
17	Impact of Plasticization by Microwave Heating on the Total Deformation of Beech Wood. <i>BioResources</i> , 2013, 8, .	0.5	8
18	Effect of Thermal Treatment on Surface Quality of Beech Wood after Plane Milling. <i>BioResources</i> , 2015, 10, .	0.5	8

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19	Impact Bending Strength and Brinell Hardness of Densified Hardwoods. <i>BioResources</i> , 2016, 11, .	0.5	8
20	Impact of Thermal Modification of Spruce Wood on Screw Direct Withdrawal Load Resistance. <i>BioResources</i> , 2014, 10, .	0.5	7
21	Shrinkage and Stability of Thermo-Mechanically Modified Aspen Wood. <i>BioResources</i> , 2012, 8, .	0.5	7
22	Effect of Selected Parameters on the Surface Waviness in Plane Milling of Thermally Modified Birch Wood. <i>BioResources</i> , 2015, 10, .	0.5	6
23	Simulating Stresses Associated with the Bending of Wood Using a Finite Element Method. <i>BioResources</i> , 2015, 10, .	0.5	6
24	Measuring the Modulus of Elasticity of Thermally Treated Spruce Wood using the Ultrasound and Resonance Methods. <i>BioResources</i> , 2016, 12, .	0.5	6
25	Surface quality measurement by contact and laser methods on thermally modified spruce wood after plain milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 1653-1663.	1.5	5
26	Heat Resistance of Glued Finger Joints in Spruce Wood Constructions. <i>BioResources</i> , 2014, 9, .	0.5	4
27	Influence of thermal modification on nail withdrawal strength of spruce wood. <i>BioResources</i> , 2014, 9, .	0.5	4
28	Influence of Thermal Treatment on Power Consumption during Plain Milling of Lodgepole Pine (Pinus Tj ETQq0 0 0 rgBT /Overlock 10 TF	0.5	4
29	Surface quality and cutting power requirement after edge milling of thermally modified meranti (Shorea spp.) wood. <i>Journal of Building Engineering</i> , 2020, 29, 101213.	1.6	4
30	Effect of Cyclic Loading on Modulus of Elasticity of Aspen Wood. <i>BioResources</i> , 2014, 10, .	0.5	4
31	Bending Characteristics of Multilayered Soft and Hardwood Materials. <i>BioResources</i> , 2015, 10, .	0.5	4
32	The Influence of Cyclic Loading on Ultimate Bending Strength of Beech Solid and Laminated Wood. <i>Drvna Industrija</i> , 2014, 65, 197-203.	0.3	3
33	Tensile-Shear Strength of Glued Line of Laminated Veneer Lumber. <i>BioResources</i> , 2015, 11, .	0.5	3
34	3D-Moldability of Veneers Plasticized with Water and Ammonia. <i>BioResources</i> , 2014, 10, .	0.5	2
35	Effect of freezing and heating on the screw withdrawal capacity of Norway spruce and European larch wood. <i>Construction and Building Materials</i> , 2021, 303, 124457.	3.2	2
36	Shear Bond Strength of Two-Layered Hardwood Strips Bonded with Polyvinyl Acetate and Polyurethane Adhesives. <i>BioResources</i> , 2016, 12, .	0.5	2

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37	Effect of Thermal Treatment on Selected Fire Safety Features of Tropical Wood. Communications - Scientific Letters of the University of Zilina, 2018, 20, 3-7.	0.3	2
38	The Development of Stresses during the Shaping of the Surface of Aspen Wood and Their Impact on the Quality of the Surface. BioResources, 2013, 8, .	0.5	1
39	Optimization of the Cutting Process of Wood-Based Agglomerated Materials by Abrasive Water-Jet. Acta Silvatica Et Lignaria Hungarica, 2014, 10, 31-47.	0.2	1
40	Effects of Selected Factors on Bending Characteristics of Beech Wood. BioResources, 2015, 11, .	0.5	1
41	3D Molding of Veneers by Mechanical and Pneumatic Methods. Materials, 2017, 10, 321.	1.3	1
42	Experimental Evaluation of Joints using Thin Steel Angles for Wood Structures. BioResources, 2015, 11, .	0.5	1
43	The Influence of Alternating Lower and Higher Temperatures on the Bending Characteristics of Glued Norway Spruce (<i>Picea abies</i> (L.) H. Karst.) and European Larch (<i>Larix decidua</i> Mill.) Wood. Forests, 2022, 13, 364.	0.9	1
44	3D Molding of Veneers by Mechanical Means. BioResources, 2014, 10, .	0.5	0
45	Influence of Cyclic Stress on the Relaxation Speed of Native and Laminated Wood. BioResources, 2014, 10, .	0.5	0
46	Quality of the Surface of Aspen Wood after Pressing. BioResources, 2016, 12, .	0.5	0