

# Vlastimil Borůvka

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

238  
citations

1163117

8  
h-index

1058476

14  
g-index

28  
all docs

28  
docs citations

28  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic and Strength Properties of Heat-Treated Beech and Birch Wood. <i>Forests</i> , 2018, 9, 197.	2.1	29
2	Caffeine – Perspective natural biocide for wood protection against decaying fungi and termites. <i>Journal of Cleaner Production</i> , 2021, 304, 127110.	9.3	19
3	Comparison of Wood Quality of Douglas Fir and Spruce from Afforested Agricultural Land and Permanent Forest Land in the Czech Republic. <i>Forests</i> , 2018, 9, 13.	2.1	17
4	Stress simulation in layered wood-based materials under mechanical loading. <i>Materials and Design</i> , 2015, 87, 1065-1071.	7.0	16
5	Comparison and Analysis of Radial and Tangential Bending of Softwood and Hardwood at Static and Dynamic Loading. <i>Forests</i> , 2020, 11, 896.	2.1	16
6	Influence of Site Conditions and Quality of Birch Wood on Its Properties and Utilization after Heat Treatment. Part I – Elastic and Strength Properties, Relationship to Water and Dimensional Stability. <i>Forests</i> , 2019, 10, 189.	2.1	15
7	Determination of Correlation between Destructive and Nondestructive Test Methods Applied on Modified Wood Exposed to Natural Weathering. <i>BioResources</i> , 2016, 11, .	1.0	12
8	Numerical and experimental investigation on the elastic stiffness of glued dovetail joints. <i>Construction and Building Materials</i> , 2020, 263, 120613.	7.2	10
9	Effect of Shelterwood and Clear-Cutting Regeneration Method on Wood Density of Scots Pine. <i>Forests</i> , 2020, 11, 868.	2.1	9
10	Influence of Site Conditions and Quality of Birch Wood on Its Properties and Utilization after Heat Treatment. Part II – Surface Properties and Marketing Evaluation of the Effect of the Treatment on Final Usage of Such Wood. <i>Forests</i> , 2020, 11, 556.	2.1	9
11	Effect of wood species, adhesive type, and annual ring directions on the stiffness of rail to leg mortise and tenon furniture joints. <i>BioResources</i> , 2017, 12, 7016-7031.	1.0	9
12	Wood Density of Northern Red Oak and Pedunculate Oak Grown in Former Brown Coal Mine in the Czech Republic. <i>BioResources</i> , 2016, 11, .	1.0	8
13	Efficacy of Caffeine Treatment for Wood Protection – Influence of Wood and Fungi Species. <i>Polymers</i> , 2021, 13, 3758.	4.5	8
14	Is European larch ( <i>Larix decidua</i> Mill.) a suitable substitute for Norway spruce ( <i>Picea abies</i> (L.) Karst.) for agricultural land afforestation?. <i>Forest Ecology and Management</i> , 2022, 517, 120257.	3.2	8
15	Impact of Thermal Modification of Spruce Wood on Screw Direct Withdrawal Load Resistance. <i>BioResources</i> , 2014, 10, .	1.0	7
16	Influence of site conditions and silvicultural practice on the wood density of Scots pine ( <i>Pinus</i> ) Tj ETQq0 0 0 rBT /Overlock 10 Tf 50 147 457-462.	1.1	7
17	Shrinkage of Scots pine wood as an effect of different tree growth rates, a comparison of regeneration methods. <i>Journal of Forest Science</i> , 2018, 64, 271-278.	1.1	7
18	Simulating Stresses Associated with the Bending of Wood Using a Finite Element Method. <i>BioResources</i> , 2015, 10, .	1.0	6

#	ARTICLE	IF	CITATIONS
19	Measuring the Modulus of Elasticity of Thermally Treated Spruce Wood using the Ultrasound and Resonance Methods. <i>BioResources</i> , 2016, 12, .	1.0	6
20	Mechanical Properties of Grand Fir Wood Grown in the Czech Republic in Vertical and Horizontal Positions. <i>BioResources</i> , 2014, 10, .	1.0	5
21	Haptic and Aesthetic Properties of Heat-Treated Modified Birch Wood. <i>Forests</i> , 2021, 12, 1081.	2.1	5
22	Comparison of Stiffness and Strength Properties of Untreated and Heat-Treated Wood of Douglas Fir and Alder. <i>BioResources</i> , 2015, 10, .	1.0	4
23	The Effect of Selected Factors on Domino Joint Stiffness. <i>BioResources</i> , 2018, 13, .	1.0	3
24	Impact Bending Strength as a Function of Selected Factors. <i>BioResources</i> , 2016, 11, .	1.0	3
25	Dimensional Changes of Veneer Layered Materials after Cold Pressing. <i>BioResources</i> , 2015, 10, .	1.0	0
26	Effects of Geometric Parameters of Structural Elements on Joint Stiffness. <i>BioResources</i> , 2016, 12, .	1.0	0
27	Impact of shelterwood regeneration method on mechanical properties of scots pine wood. <i>Trees - Structure and Function</i> , 2021, 35, 1185-1198.	1.9	0
28	Stiffness Coefficients of Mortise and Tenon Joints used on Wooden Window Profiles. <i>BioResources</i> , 2016, 11, .	1.0	0