# Ä½uboÅ¡ KriÅ¡Å¥Ã¡k

List of Publications by Year
in descending order



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|---|---|---|---|
| 57 papers | 1,158 citations | 394421 19 h-index | 454955 30 g-index |
| 58 all docs | 58 docs citations | 58 times ranked | 509 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A review on Lantana camara lignocellulose fiber-reinforced polymer composites. Biomass Conversion and Biorefinery, 2024, 14, 1495-1513. | 4.6 | 8 |
| 2 | Recent progress in ultra-low formaldehyde emitting adhesive systems and formaldehyde scavengers in wood-based panels: a review. Wood Material Science and Engineering, 2023, 18, 763-782. | 2.3 | 80 |
| 3 | Recent Advances in the Development of Fire-Resistant Biocompositesâ€"A Review. Polymers, 2022, 14, 362. | 4.5 | 47 |
| 4 | Engineering Wood Products from Eucalyptus spp.. Advances in Materials Science and Engineering, 2022, 2022, 1-14. | 1.8 | 22 |
| 5 | Physical and Mechanical Properties of Particleboard Produced with Addition of Walnut (Juglans regia) Tj ETQq1 1 0.784314 rgBT /Ove | 2.9 | 18 |
| 6 | Thermal and mechanical performance of ramie fibers modified with polyurethane resins derived from acacia mangium bark tannin. Journal of Materials Research and Technology, 2022, 18, 2413-2427. | 5.8 | 17 |
| 7 | Quantifying the finest particles in dust fractions created during the sanding of untreated and thermally modified beech wood. BioResources, 2022, 17, 7-20. | 1.0 | 6 |
| 8 | Effect of oxidizing thermal modification on the chemical properties and thermal conductivity of Norway spruce (Picea abiesL.) wood. Wood Material Science and Engineering, 2022, 17, 366-375. | 2.3 | 14 |
| 9 | Characterisation of Wood Particles Used in the Particleboard Production as a Function of Their Moisture Content. Materials, 2022, 15, 48. | 2.9 | 10 |
| 10 | Influence of Lignin Content and Pressing Time on Plywood Properties Bonded with Cold-Setting Adhesive Based on Poly (Vinyl Alcohol), Lignin, and Hexamine. Polymers, 2022, 14, 2111. | 4.5 | 21 |
| 11 | Modification of Ramie Fiber via Impregnation with Low Viscosity Bio-Polyurethane Resins Derived from Lignin. Polymers, 2022, 14, 2165. | 4.5 | 17 |
| 12 | Recent developments in lignin modification and its application in ligninâ€based green composites: A review. Polymer Composites, 2022, 43, 4848-4865. | 4.6 | 50 |
| 13 | Eco-Friendly, High-Density Fiberboards Bonded with Urea-Formaldehyde and Ammonium Lignosulfonate. Polymers, 2021, 13, 220. | 4.5 | 43 |
| 14 | Utilization of Birch Bark as an Eco-Friendly Filler in Urea-Formaldehyde Adhesives for Plywood Manufacturing. Polymers, 2021, 13, 511. | 4.5 | 59 |
| 15 | Eco-Friendly Fiberboard Panels from Recycled Fibers Bonded with Calcium Lignosulfonate. Polymers, 2021, 13, 639. | 4.5 | 40 |
| 16 | Application of Wood Composites. Applied Sciences (Switzerland), 2021, 11, 3479. | 2.5 | 10 |
| 17 | Oversized Planer Shavings for the Core Layer of Lightweight Particleboard. Polymers, 2021, 13, 1125. | 4.5 | 7 |
| 18 | Fine Dust Creation during Hardwood Machine Sanding. Applied Sciences (Switzerland), 2021, 11, 6602. | 2.5 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Acoustic Properties of Larch Bark Panels. Forests, 2021, 12, 887. | 2.1 | 15 |
| 20 | Thermophysical Properties of Larch Bark Composite Panels. Polymers, 2021, 13, 2287. | 4.5 | 17 |
| 21 | EFFECTS OF HOT PRESSING PARAMETERS ON THE PROPERTIES OF HARDBOARDS PRODUCED FROM MIXED HARDWOOD TREE SPECIES. Wood Research, 2021, 66, 437-448. | 0.6 | 1 |
| 22 | New Challenges in Wood and Wood-Based Materials. Polymers, 2021, 13, 2538. | 4.5 | 10 |
| 23 | Properties of High-Density Fiberboard Bonded with Ureaâ€“Formaldehyde Resin and Ammonium Lignosulfonate as a Bio-Based Additive. Polymers, 2021, 13, 2775. | 4.5 | 45 |
| 24 | Granulometric Characterization of Wood Dust Emission from CNC Machining of Natural Wood and Medium Density Fiberboard. Forests, 2021, 12, 1039. | 2.1 | 14 |
| 25 | Properties of Eco-Friendly Particleboards Bonded with Lignosulfonate-Urea-Formaldehyde Adhesives and pMDI as a Crosslinker. Materials, 2021, 14, 4875. | 2.9 | 50 |
| 26 | Structural Application of Lightweight Panels Made of Waste Cardboard and Beech Veneer. Materials, 2021, 14, 5064. | 2.9 | 9 |
| 27 | Suitability of Wooden Shingles for Ventilated Roofs: An Evaluation of Ventilation Efficiency. Applied Sciences (Switzerland), 2020, 10, 6499. | 2.5 | 13 |
| 28 | Optimization of Parameters for the Cutting of Wood-Based Materials by a CO2 Laser. Applied Sciences (Switzerland), 2020, 10, 8113. | 2.5 | 14 |
| 29 | Enhanced Resistance to Fire of the Bark-Based Panels Bonded with Clay. Applied Sciences (Switzerland), 2020, 10, 5594. | 2.5 | 23 |
| 30 | Investigation of 3D-Moldability of Flax Fiber Reinforced Beech Plywood. Polymers, 2020, 12, 2852. | 4.5 | 6 |
| 31 | Sound-Absorption Coefficient of Bark-Based Insulation Panels. Polymers, 2020, 12, 1012. | 4.5 | 39 |
| 32 | Occupational Exposure to Dust Produced when Milling Thermally Modified Wood. International Journal of Environmental Research and Public Health, 2020, 17, 1478. | 2.6 | 44 |
| 33 | Analysis of Larch-Bark Capacity for Formaldehyde Removal in Wood Adhesives. International Journal of Environmental Research and Public Health, 2020, 17, 764. | 2.6 | 39 |
| 34 | Effect of cutting conditions on quality of milled surface of medium-density fibreboards. BioResources, 2020, 15, 746-766. | 1.0 | 5 |
| 35 | Construction of Wood-Based Lamella for Increased Load on Seating Furniture. Forests, 2019, 10, 525. | 2.1 | 19 |
| 36 | Methodology of Temperature Monitoring in the Process of CNC Machining of Solid Wood. Sustainability, 2019, 11, 95. | 3.2 | 20 |

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|---|---|---|---|
| 37 | Functionality of Beech Bark in Adhesive Mixtures Used in Plywood and Its Effect on the Stability Associated with Material Systems. Materials, 2019, 12, 1298. | 2.9 | 49 |
| 38 | Applying the EDPS Method to the Research into Thermophysical Properties of Solid Wood of Coniferous Trees. Advances in Materials Science and Engineering, 2019, 2019, 1-9. | 1.8 | 11 |
| 39 | Analysis to Improve the Strength of Beds Due to the Excess Weight of Users in Slovakia. Sustainability, 2019, 11, 624. | 3.2 | 10 |
| 40 | Effect of moisture content on the load carrying capacity and stiffness of corner wood-based and plastic joints. BioResources, 2019, 14, 8640-8655. | 1.0 | 7 |
| 41 | Load-carrying capacity and the size of chair joints determined for users with a higher body weight. BioResources, 2018, 13, 6428-6443. | 1.0 | 14 |
| 42 | Granulometric Analysis of Sanding Dust from Selected Wood Species. BioResources, 2018, 13, . | 1.0 | 26 |
| 43 | Measurements of rubber mechanical properties in aged and nonaged state. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 358-363. | 0.9 | 0 |
| 44 | Influence of Urea-formaldehyde Adhesive Modification with Beech Bark on Chosen Properties of Plywood. BioResources, 2017, 12, . | 1.0 | 24 |
| 45 | Application of Innovative P&E Method at Technical Universities in Slovakia. Eurasia Journal of Mathematics, Science and Technology Education, 2017, 13, . | 1.3 | 6 |
| 46 | Thermophysical properties of OSB boards versus equilibrium moisture content. BioResources, 2017, 12, 8106-8118. | 1.0 | 20 |
| 47 | Efficiency of Sanding Belts for Beech and Oak Sanding. BioResources, 2016, 11, . | 1.0 | 15 |
| 48 | The Study of Temperature vs Time Dependence on the Irradiated Surface Side during Wood Burning Process. Key Engineering Materials, 2016, 688, 145-152. | 0.4 | 0 |
| 49 | Development of studentsâ€™ conceptual thinking by means of video analysis and interactive simulations at technical universities. European Journal of Engineering Education, 2015, 40, 145-166. | 2.3 | 28 |
| 50 | Creation of Wood Dust during Wood Processing: Size Analysis, Dust Separation, and Occupational Health. BioResources, 2015, 11, . | 1.0 | 29 |
| 51 | Interactive Methods of Teaching Physics at Technical Universities. Informatics in Education, 2014, 13, 51-71. | 2.2 | 13 |
| 52 | ExperimentÃ¡lna podpora vo vyuÄovanÃ-fyziky na zÃ¡kladnÃ½ch Å¡kolÃ¡ch. Scientia in Educatione, 2013, 4, . | 0.2 | 2 |
| 53 | INTERACTIVE P&E METHOD IN TEACHING PHYSICS AT SECONDARY SCHOOLS. Journal of Technology and Information Education, 2013, 5, 42-49. | 0.1 | 3 |
| 54 | INNOVATION OF PHYSICAL EDUCATION AT TECHNICAL UNIVERSITY IN ZVOLEN.. Journal of Technology and Information Education, 2010, 2, 40-45. | 0.1 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Life Cycle Assessment of Timber Formwork: Case Study. Advanced Materials Research, 0, 1001, 155-161. | 0.3 | 6 |
| 56 | The Granularity of Dust Particles when Sanding Wood and Wood-Based Materials. Advanced Materials Research, 0, 1001, 432-437. | 0.3 | 13 |
| 57 | Heat Transfer during Pressing of 3D Moulded Veneer Plywood Composite Materials. Key Engineering Materials, 0, 688, 131-137. | 0.4 | 6 |