

# Viktor Kolář

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

167  
citations

1478280

6  
h-index

1199470

12  
g-index

25  
all docs

25  
docs citations

25  
times ranked

77  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Influence of Alkali Treatment on the Microstructure and Mechanical Properties of Coir and Abaca Fibers. <i>Materials</i> , 2021, 14, 2636.  | 1.3 | 42        |
| 2  | Low-Cycle Fatigue Behavior of 3D-Printed PLA Reinforced with Natural Filler. <i>Polymers</i> , 2022, 14, 1301.  | 2.0 | 21        |
| 3  | Material Utilization of Cotton Post-Harvest Line Residues in Polymeric Composites. <i>Polymers</i> , 2019, 11, 1106.  | 2.0 | 16        |
| 4  | Design, Development, and Characterization of Advanced Textile Structural Hollow Composites. <i>Polymers</i> , 2021, 13, 3535.   | 2.0 | 14        |
| 5  | Quasi-Static Tests of Hybrid Adhesive Bonds Based on Biological Reinforcement in the Form of Eggshell Microparticles. <i>Polymers</i> , 2020, 12, 1391.   | 2.0 | 9         |
| 6  | Influence of inlay yarn type and stacking sequence on mechanical performance of knitted uni-directional thermoplastic composite prepregs. <i>Journal of Industrial Textiles</i> , 2022, 51, 4973S-5008S.                            | 1.1 | 7         |
| 7  | Research on Influence of Polyurethane Adhesive Modified by Polyurethane Filler Based on Recyclate. <i>Manufacturing Technology</i> , 2018, 18, 418-423.   | 0.2 | 6         |
| 8  | Quasi-Static Shear Test of Hybrid Adhesive Bonds Based on Treated Cotton-Epoxy Resin Layer. <i>Polymers</i> , 2020, 12, 2945.   | 2.0 | 5         |
| 9  | Research on Application of Technology Using Water Jet on Machining of Polymeric Composite Biological-Reinforced Materials. <i>Manufacturing Technology</i> , 2018, 18, 630-634.   | 0.2 | 5         |
| 10 | Research on wear resistance of polymeric composite materials based on microparticles from tyre recycling process. <i>Manufacturing Technology</i> , 2020, 20, 223-228.  | 0.2 | 5         |
| 11 | Exploration of Effects of Graduated Compression Stocking Structures on Performance Properties Using Principal Component Analysis: A Promising Method for Simultaneous Optimization of Properties. <i>Polymers</i> , 2022, 14, 2045. | 2.0 | 5         |
| 12 | Research of hybrid adhesive bonds with filler based on coffee bean powder exposed to cyclic loading. <i>Manufacturing Technology</i> , 2020, 20, 646-654.   | 0.2 | 4         |
| 13 | Mechanical Properties of Polymeric Composite Based on Pine Seeds Production Residues. <i>Manufacturing Technology</i> , 2019, 19, 426-430.  | 0.2 | 4         |
| 14 | Service Life of Adhesive Bonds under Cyclic Loading with a Filler Based on Natural Waste from Coconut Oil Production. <i>Polymers</i> , 2022, 14, 1033.   | 2.0 | 4         |
| 15 | Modelling of Auxetic Woven Structures for Composite Reinforcement. <i>Textiles</i> , 2022, 2, 1-15.   | 1.8 | 4         |
| 16 | Research on water jet cutting of composites based on epoxy/microparticles from coconut shell. <i>MATEC Web of Conferences</i> , 2018, 244, 02001.   | 0.1 | 3         |
| 17 | Influence of Preformed Adherent Angle and Reinforcing Glass Fibre on tensile strength of Hybrid Adhesive Bond. <i>Manufacturing Technology</i> , 2019, 19, 786-791.   | 0.2 | 3         |
| 18 | Quasi-static tests on polyurethane adhesive bonds reinforced by rubber powder. , 2019, , .  |     | 2         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Effect of Waterjet Machining Parameters on Cut Quality of Polymeric Composite Materials Based on Biological Reinforcement in Form of Cotton Post-harvest Line Residues. <i>Manufacturing Technology</i> , 2019, 19, 647-654. | 0.2 | 2         |
| 20 | Effect of Waterjet Machining Parameters on the Cut Quality of PP and PVC-U Materials Coated with Polyurethane and Acrylate Coatings. <i>Materials</i> , 2021, 14, 7542.  | 1.3 | 2         |
| 21 | Experimental Investigation of Wavy-Lap Bonds with Natural Cotton Fabric Reinforcement under Cyclic Loading. <i>Polymers</i> , 2021, 13, 2872.  | 2.0 | 1         |
| 22 | Welding materials used to increase service life of agricultural machinery processing soil. <i>MATEC Web of Conferences</i> , 2018, 244, 01002.   | 0.1 | 0         |
| 23 | Material Reuse of Waste Abrasive Particles from Abrasive Water Jet Technology in the Field of Polymer Particle Composite Systems. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 87-99.                            | 0.3 | 0         |
| 24 | Research on Low-Cycle Fatigue Engineered Hybrid Sandwich Ski Construction. <i>Polymers</i> , 2022, 14, 2278.   | 2.0 | 0         |