

# Warren Grigsby

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1752339/publications.pdf>

Version: 2024-02-01

51  
papers

953  
citations

430874

18  
h-index

477307

29  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Yes, we can make money out of lignin and other bio-based resources. <i>Industrial Crops and Products</i> , 2017, 106, 74-85.	5.2	109
2	Thermal Degradation of Condensed Tannins from <i>Radiata</i> Pine Bark. <i>Journal of Wood Chemistry and Technology</i> , 2009, 29, 305-321.	1.7	74
3	Synchrotron-based X-ray Fluorescence Microscopy in Conjunction with Nanoindentation to Study Molecular-Scale Interactions of Phenol&Formaldehyde in Wood Cell Walls. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6584-6589.	8.0	70
4	Esterification of Condensed Tannins and Their Impact on the Properties of Poly(Lactic Acid). <i>Polymers</i> , 2013, 5, 344-360.	4.5	50
5	Understanding the development of interfacial bonding within PLA/wood-based thermoplastic sandwich composites. <i>Industrial Crops and Products</i> , 2019, 127, 129-134.	5.2	40
6	Life Cycle Assessment of Bio- and Petro-Chemical Adhesives Used in Fiberboard Production. <i>Journal of Polymers and the Environment</i> , 2014, 22, 537-544.	5.0	39
7	Combination and processing keratin with lignin as biocomposite materials for additive manufacturing technology. <i>Acta Biomaterialia</i> , 2020, 104, 95-103.	8.3	39
8	X-ray methods to observe and quantify adhesive penetration into wood. <i>Journal of Materials Science</i> , 2019, 54, 705-718.	3.7	28
9	Evaluating Modified Tannin Esters as Functional Additives in Polypropylene and Biodegradable Aliphatic Polyester. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1251-1258.	3.6	27
10	Characterisation of pore size distributions in variously dried <i>Pinus radiata</i> : analysis by thermoporosimetry. <i>Wood Science and Technology</i> , 2013, 47, 737-747.	3.2	26
11	Synthesis and characterization of flavonoid laurate esters by transesterification. <i>Journal of Applied Polymer Science</i> , 2013, 129, 181-186.	2.6	22
12	From nanocellulose to wood particles: A review of particle size vs. the properties of plastic composites reinforced with cellulose-based entities. <i>BioResources</i> , 2020, 15, 2030-2081.	1.0	22
13	Synthesis, characterization, and thermal behaviors of tannin stearates prepared from quebracho and pine bark extracts. <i>Journal of Applied Polymer Science</i> , 2010, 117, NA-NA.	2.6	21
14	Production, composition and toxicology studies of Enzogenol® <i>Pinus radiata</i> bark extract. <i>Food and Chemical Toxicology</i> , 2012, 50, 4316-4324.	3.6	20
15	Applying the Protective Role of Condensed Tannins to Acrylic-based Surface Coatings Exposed to Accelerated Weathering. <i>Journal of Polymers and the Environment</i> , 2018, 26, 895-905.	5.0	20
16	Vegetable oil thermosets reinforced by tannin&lipid formulations. <i>Acta Biomaterialia</i> , 2013, 9, 5226-5233.	8.3	19
17	Simulating the protective role of bark proanthocyanidins in surface coatings: Unexpected beneficial photo-stabilisation of exposed timber surfaces. <i>Progress in Organic Coatings</i> , 2017, 110, 55-61.	3.9	19
18	Investigating the Extent of Urea Formaldehyde Resin Cure in Medium Density Fiberboard: Resin Extractability and Fiber Effects. <i>Journal of Wood Chemistry and Technology</i> , 2014, 34, 225-238.	1.7	18

#	ARTICLE	IF	CITATIONS
19	Evaluating Poly(lactic acid) Fiber Reinforcement with Modified Tannins. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 368-378.	3.6	18
20	Flexural Properties of PVC/Bamboo Composites under Static and Dynamic-Thermal Conditions: Effects of Composition and Water Absorption. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-8.	2.7	18
21	Generation of Spherical Cellulose Nanoparticles from Ionic Liquid Processing via Novel Nonsolvent Addition and Drying. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-6.	1.8	18
22	Resin and wax distribution and mobility during medium density fibreboard manufacture. <i>European Journal of Wood and Wood Products</i> , 2012, 70, 337-348.	2.9	17
23	The interactions between wax and UF resin in medium density fibreboard. <i>European Journal of Wood and Wood Products</i> , 2012, 70, 507-517.	2.9	16
24	Modifying biodegradable plastics with additives based on condensed tannin esters. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	16
25	Evaluating The Extent of Bio-Polyester Polymerization in Solid Wood by Thermogravimetric Analysis. <i>Journal of Wood Chemistry and Technology</i> , 2015, 35, 325-336.	1.7	16
26	NMR Estimation of Extractables from Bark: Analysis Method for Quantifying Tannin Extraction from Bark. <i>Journal of Wood Chemistry and Technology</i> , 2003, 23, 179-195.	1.7	15
27	Two-Dimensional FTIR as a Tool to Study the Chemical Interactions within Cellulose-Ionic Liquid Solutions. <i>International Journal of Polymer Science</i> , 2015, 2015, 1-9.	2.7	15
28	Thermal stability of processed PVC/bamboo blends: effect of compounding procedures. <i>European Journal of Wood and Wood Products</i> , 2017, 75, 147-159.	2.9	14
29	A new methodology for rapidly assessing interfacial bonding within fibre-reinforced thermoplastic composites. <i>International Journal of Adhesion and Adhesives</i> , 2019, 89, 66-71.	2.9	14
30	Investigating the extent of urea formaldehyde resin cure in medium density fibreboard: Characterisation of extractable resin components. <i>International Journal of Adhesion and Adhesives</i> , 2014, 50, 50-56.	2.9	12
31	Photooxidative stability provided by condensed tannin additives in acrylic-based surface coatings on exterior exposure. <i>Journal of Coatings Technology Research</i> , 2018, 15, 1273-1282.	2.5	11
32	Optimizing Chemical Wood Modification with Oligomeric Lactic Acid by Screening of Processing Conditions. <i>Journal of Wood Chemistry and Technology</i> , 2019, 39, 385-398.	1.7	9
33	Fundamentals of MDF Panel Dimensional Stability: Analysis of MDF High-Density Layers. <i>Journal of Wood Chemistry and Technology</i> , 2012, 32, 149-164.	1.7	8
34	One-pot solvent-free synthesis and characterisation of hydroxypropylated polyflavonoid compounds. <i>Industrial Crops and Products</i> , 2018, 111, 529-535.	5.2	6
35	Analyzing the UF resin distribution in particleboards by confocal laser scanning microscopy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 125, 105529.	7.6	6
36	Using Renewables in Panelboard Resins to Influence Volatile Organic Compound Emissions from Panels. <i>Journal of Wood Chemistry and Technology</i> , 2019, 39, 166-177.	1.7	6

#	ARTICLE	IF	CITATIONS
37	Wood as Polar Size Exclusion Chromatography Media: Implications to Adhesive Performance*. Forest Products Journal, 2015, 65, 9-14.	0.4	6
38	Chemical Imaging of the Spatial Distribution and Interactions of Tannin Dispersal in Bioplastic Systems. Advanced Materials Research, 2007, 29-30, 173-176.	0.3	5
39	Investigating the Viscoelastic Properties and Mechanical Performance of Wood Modified by Biopolyester Treatments. Journal of Renewable Materials, 2014, 2, 291-305.	2.2	5
40	Rubber-Like Materials Prepared from Copolymerization of Tannin Fatty Acid Conjugates and Vegetable Oils. Macromolecular Materials and Engineering, 2014, 299, 65-74.	3.6	5
41	Molecular weight fractionation of high polydispersity native celluloses. Cellulose, 2017, 24, 5261-5265.	4.9	5
42	Quantitative Assessment and Visualisation of the Wood and Poly(Lactic Acid) Interface in Sandwich Laminate Composites. Fibers, 2019, 7, 15.	4.0	5
43	Bonding Wood Veneer with Biobased Poly(Lactic Acid) Thermoplastic Polyesters: Potential Applications for Consolidated Wood Veneer and Overlay Products. Fibers, 2020, 8, 50.	4.0	5
44	Rheological behaviors exhibited by soy protein systems under dynamic aqueous environments. Journal of Applied Polymer Science, 2017, 134, 45513.	2.6	4
45	A chemometric approach for the segregation of bark biomass based on tree height and geographic location. Journal of Wood Chemistry and Technology, 2020, 40, 361-369.	1.7	3
46	Labile Extractable Urea-Formaldehyde Resin Components from Medium-Density Fiberboard*. Forest Products Journal, 2015, 65, 15-19.	0.4	3
47	Production of amino-functionalised condensed tannins via a single step conversion using supercritical fluid processing. Journal of Wood Chemistry and Technology, 2021, 41, 65-71.	1.7	3
48	Chemical Imaging of the Poly(lactic Acid) Wood Adhesion Interface of Bonded Veneer Products. Fibers, 2022, 10, 17.	4.0	2
49	Understanding the PLA-Wood Adhesion Interface for the Development of PLA-Bonded Softwood Laminates. Fibers, 2022, 10, 51.	4.0	2
50	Volatile organic compounds (VOCs) from lauan ( <i>Shorea</i> spp.) plyboard prepared with kraft lignin, soy flour, gluten meal and tannin: emissions during hot pressing and from panels as a function of time. Holzforschung, 2019, 73, 305-311.	1.9	1
51	Understanding the effects of ionic liquids and antisolvent addition on the extraction and recovery of <i>Pinus radiata</i> bark components. Journal of Wood Chemistry and Technology, 2022, 42, 305-317.	1.7	1