

Warren Grigsby

List of Publications by Year in descending order

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51
papers

953
citations

430874

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477307

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all docs

51
docs citations

51
times ranked

1147
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Imaging of the Polylactic Acid ~ Wood Adhesion Interface of Bonded Veneer Products. <i>Fibers</i> , 2022, 10, 17.	4.0	2
2	Understanding the effects of ionic liquids and antisolvent addition on the extraction and recovery of <i>Pinus radiata</i> bark components. <i>Journal of Wood Chemistry and Technology</i> , 2022, 42, 305-317.	1.7	1
3	Understanding the PLA~Wood Adhesion Interface for the Development of PLA-Bonded Softwood Laminates. <i>Fibers</i> , 2022, 10, 51.	4.0	2
4	Production of amino-functionalised condensed tannins via a single step conversion using supercritical fluid processing. <i>Journal of Wood Chemistry and Technology</i> , 2021, 41, 65-71.	1.7	3
5	Combination and processing keratin with lignin as biocomposite materials for additive manufacturing technology. <i>Acta Biomaterialia</i> , 2020, 104, 95-103.	8.3	39
6	Bonding Wood Veneer with Biobased Poly(Lactic Acid) Thermoplastic Polyesters: Potential Applications for Consolidated Wood Veneer and Overlay Products. <i>Fibers</i> , 2020, 8, 50.	4.0	5
7	A chemometric approach for the segregation of bark biomass based on tree height and geographic location. <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 361-369.	1.7	3
8	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
9	X-ray methods to observe and quantify adhesive penetration into wood. <i>Journal of Materials Science</i> , 2019, 54, 705-718.	3.7	28
10	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
11	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
12	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
13	Quantitative Assessment and Visualisation of the Wood and Poly(Lactic Acid) Interface in Sandwich Laminate Composites. <i>Fibers</i> , 2019, 7, 15.	4.0	5
14	Volatile organic compounds (VOCs) from lauan (<i>Shorea</i> ssp.) plyboard prepared with kraft lignin, soy flour, gluten meal and tannin: emissions during hot pressing and from panels as a function of time. <i>Holzforschung</i> , 2019, 73, 305-311.	1.9	1
15	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
16	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
17	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
18	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

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19	One-pot solvent-free synthesis and characterisation of hydroxypropylated polyflavonoid compounds. <i>Industrial Crops and Products</i> , 2018, 111, 529-535.	5.2	6
20	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
21	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
22	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
23	Molecular weight fractionation of high polydispersity native celluloses. <i>Cellulose</i> , 2017, 24, 5261-5265.	4.9	5
24	Rheological behaviors exhibited by soy protein systems under dynamic aqueous environments. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45513.	2.6	4
25	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
26	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
27	Modifying biodegradable plastics with additives based on condensed tannin esters. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	16
28	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
29	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 & Interfaces</i> , 2015, 7, 6584-6589.	8.0	70
30	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
31	Labile Extractable Urea-Formaldehyde Resin Components from Medium-Density Fiberboard*. <i>Forest Products Journal</i> , 2015, 65, 15-19.	0.4	3
32	Wood as Polar Size Exclusion Chromatography Media: Implications to Adhesive Performance*. <i>Forest Products Journal</i> , 2015, 65, 9-14.	0.4	6
33	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
34	Investigating the Viscoelastic Properties and Mechanical Performance of Wood Modified by Biopolyester Treatments. <i>Journal of Renewable Materials</i> , 2014, 2, 291-305.	2.2	5
35	Evaluating Poly(lactic acid) Fiber Reinforcement with Modified Tannins. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 368-378.	3.6	18
36	Rubber-Like Materials Prepared from Copolymerization of Tannin Fatty Acid Conjugates and Vegetable Oils. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 65-74.	3.6	5

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37	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
38	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
39	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
40	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
41	Vegetable oil thermosets reinforced by tannin-lipid formulations. <i>Acta Biomaterialia</i> , 2013, 9, 5226-5233.	8.3	19
42	Esterification of Condensed Tannins and Their Impact on the Properties of Poly(Lactic Acid). <i>Polymers</i> , 2013, 5, 344-360.	4.5	50
43	Synthesis and characterization of flavonoid laurate esters by transesterification. <i>Journal of Applied Polymer Science</i> , 2013, 129, 181-186.	2.6	22
44	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
45	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
46	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
47	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
48	Synthesis, characterization, and thermal behaviors of tannin stearamides prepared from quebracho and pine bark extracts. <i>Journal of Applied Polymer Science</i> , 2010, 117, NA-NA.	2.6	21
49	Thermal Degradation of Condensed Tannins from <i>Radiata Pine Bark</i> . <i>Journal of Wood Chemistry and Technology</i> , 2009, 29, 305-321.	1.7	74
50	Chemical Imaging of the Spatial Distribution and Interactions of Tannin Dispersal in Bioplastic Systems. <i>Advanced Materials Research</i> , 2007, 29-30, 173-176.	0.3	5
51	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