

# Jeffrey J Morrell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3125513/publications.pdf>

Version: 2024-02-01

61  
papers

510  
citations

840585

11  
h-index

794469

19  
g-index

61  
all docs

61  
docs citations

61  
times ranked

374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the effects of incising on treatability and strength of wood. <i>Wood Material Science and Engineering</i> , 2023, 18, 751-762.	1.1	4
2	Long-term outdoor weathering evaluation of wood plastic composites. <i>European Journal of Wood and Wood Products</i> , 2022, 80, 23-34.	1.3	7
3	Improvement of mould resistance of wood with cinnamaldehyde chitosan emulsion. <i>Wood Science and Technology</i> , 2022, 56, 187-204.	1.4	8
4	Effects of Climate on Exterior Wood Coating Performance: A Comparison of Three Industrial Coatings in a Warm-Summer Mediterranean and a Semi-Arid Climate in Oregon, USA. <i>Coatings</i> , 2022, 12, 85.	1.2	2
5	Thermal tolerance of an invasive drywood termite, <i>Cryptotermes brevis</i> (Blattodea: Kalotermitidae). <i>Journal of Thermal Biology</i> , 2022, 104, 103199.	1.1	1
6	Superhydrophobic wood fabricated by epoxy/Cu <sub>2</sub> (OH) <sub>3</sub> Cl NPs/stearic acid with performance of desirable self-cleaning, anti-mold, dimensional stability, mechanical and chemical durability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129162.	2.3	15
7	Eco-friendly and mildly modification of wood cell walls with heat treated wood extracts to improve wood decay resistance. <i>Industrial Crops and Products</i> , 2022, 184, 115079.	2.5	7
8	Effects of Adsorption Energy on Air and Liquid Permeability of Nanowollastonite-Treated Medium-Density Fiberboard. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-8.	2.4	10
9	Nano-wollastonite to improve fire retardancy in medium-density fiberboard (MDF) made from wood fibers and camel-thorn. <i>Wood Material Science and Engineering</i> , 2021, 16, 161-165.	1.1	16
10	A cost effective strategy to fabricate STA@PF@Cu <sub>2</sub> O hierarchical structure on wood surface: aimed at superhydrophobic modification. <i>Wood Science and Technology</i> , 2021, 55, 565-583.	1.4	11
11	Performance of Exterior Wood Coatings in Temperate Climates. <i>Coatings</i> , 2021, 11, 325.	1.2	9
12	Wollastonite to Improve Fire Properties in Medium-Density Fiberboard Made from Wood and Chicken Feather Fibers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3070.	1.3	5
13	Impact of moisture cycling on lateral resistance of resin-impregnated compressed beech nails in radiata pine timber. <i>International Wood Products Journal</i> , 2021, 12, 147-151.	0.6	2
14	Superhydrophobic wood surface fabricated by Cu <sub>2</sub> O nano-particles and stearic acid: its acid/alkali and wear resistance. <i>Holzforschung</i> , 2021, 75, 917-931.	0.9	6
15	Effect of repeated wetting and drying on withdrawal capacity and corrosion of nails in treated and untreated timber. <i>Construction and Building Materials</i> , 2021, 284, 122878.	3.2	11
16	Effects of extracts on the colour of thermally modified <i>Populus tomentosa</i> Carr.. <i>Wood Science and Technology</i> , 2021, 55, 1075-1090.	1.4	6
17	The antifungal mechanism of konjac flying powder extract and its active compounds against wood decay fungi. <i>Industrial Crops and Products</i> , 2021, 164, 113406.	2.5	21
18	Effect of thermal modification of slash pine with linseed oil on water repellency and performance of mechanical connections. <i>Construction and Building Materials</i> , 2021, 305, 124776.	3.2	2

#	ARTICLE	IF	CITATIONS
19	Effect of tallow impregnation on moisture behavior and decay resistance of various wood species. <i>Wood Material Science and Engineering</i> , 2021, 16, 260-268.	1.1	5
20	Superhydrophobic STA@PF@Cu <sub>2</sub> O modified wood with photocatalytic degradation properties for efficiency oil/water separation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106857.	3.3	5
21	Potential Use of Wollastonite as a Filler in UF Resin Based Medium-Density Fiberboard (MDF). <i>Polymers</i> , 2020, 12, 1435.	2.0	19
22	Migration of creosote components from timbers treated with creosote and processed using Best Management Practices. <i>Journal of Environmental Management</i> , 2020, 276, 111270.	3.8	0
23	Fabrication of nano-cupric oxide in phenol-formaldehyde resin adhesive: effect of cupric chloride concentration on resin performance. <i>Wood Science and Technology</i> , 2020, 54, 1551-1567.	1.4	2
24	Fungal Degradation of Wood: Emerging Data, New Insights and Changing Perceptions. <i>Coatings</i> , 2020, 10, 1210.	1.2	86
25	Effect of distance above-ground on fungal colonization of blackgum and red oak ties during air-seasoning. <i>International Wood Products Journal</i> , 2020, 11, 146-153.	0.6	1
26	Comparisons between individual and combined assays for quality control of wood treatments. <i>European Journal of Wood and Wood Products</i> , 2020, 78, 605-608.	1.3	0
27	Ability to predict flexural properties of Douglas-fir crossarms. <i>Wood Material Science and Engineering</i> , 2020, , 1-9.	1.1	2
28	Potential for decay in mass timber elements: A review of the risks and identifying possible solutions. <i>Wood Material Science and Engineering</i> , 2020, 15, 351-360.	1.1	28
29	Incorporation of a nano/micro CuO formulation into phenol formaldehyde (PF) resin: Curing kinetics, morphological analysis, and application. <i>Journal of Wood Chemistry and Technology</i> , 2019, 39, 372-383.	0.9	9
30	Effect of post-treatment steaming on preservative migration from pentachlorophenol-treated wood. <i>International Wood Products Journal</i> , 2019, 10, 70-77.	0.6	4
31	Culture-based identification to examine spatiotemporal patterns of fungal communities colonizing wood in ground contact. <i>Mycologia</i> , 2019, 111, 703-718.	0.8	5
32	Identification of antifungal compounds in konjac flying powder and assessment against wood decay fungi. <i>Industrial Crops and Products</i> , 2019, 140, 111650.	2.5	20
33	Performance of polyurea-coated Douglas-fir timbers exposed in Hilo Hawaii. <i>International Wood Products Journal</i> , 2019, 10, 31-36.	0.6	1
34	Assessment of preservative migration from wood using a soil sachet method. <i>Environmental Science and Pollution Research</i> , 2019, 26, 19598-19605.	2.7	2
35	Fungal colonization patterns of wood exposed out of soil contact in Western Oregon. <i>International Biodeterioration and Biodegradation</i> , 2019, 137, 14-22.	1.9	2
36	Assessment of physical and mechanical properties of bamboo-plastic composites. <i>Polymer Composites</i> , 2019, 40, 2834-2839.	2.3	8

#	ARTICLE	IF	CITATIONS
37	Kinetic color analysis for assessing the effects of borate and glycerol on thermal modification of wood. <i>Wood Science and Technology</i> , 2019, 53, 263-274.	1.4	10
38	Effect of Holes Drilled Various Distances from the Edge of Douglas Fir Utility Poles Tested in Bending. <i>Advances in Civil Engineering Materials</i> , 2019, 8, 511-526.	0.2	0
39	Improving the Performance of Bamboo and Eucalyptus Wood fiber/Polypropylene Composites Using Pectinase Pre-treatments. <i>Journal of Wood Chemistry and Technology</i> , 2018, 38, 44-50.	0.9	13
40	Use of acoustic testing to detect decay and sort western juniper for modulus of elasticity and modulus of rupture. <i>Wood Material Science and Engineering</i> , 2018, 13, 197-203.	1.1	0
41	Incidence of decay in creosote-treated Scots pine poles in Ireland. <i>Holzforschung</i> , 2018, 72, 1079-1086.	0.9	6
42	Nondestructive bending tests on Douglas-fir utility poles as a potential tool for pole sorting and for prediction of their behavior in service. <i>Holzforschung</i> , 2017, 71, 397-403.	0.9	2
43	Migration of pentachlorophenol and copper from a preservative treated bridge. <i>Journal of Environmental Management</i> , 2017, 203, 273-277.	3.8	3
44	Effects of wollastonite on the properties of medium-density fiberboard (MDF) made from wood fibers and camel-thorn. <i>Maderas: Ciencia Y Tecnologia</i> , 2016, , 0-0.	0.7	10
45	Effect of post-treatment processing on copper migration from Douglas-fir lumber treated with ammoniacal copper zinc arsenate. <i>Journal of Environmental Management</i> , 2015, 152, 268-272.	3.8	8
46	Effect of edge-sealing on resistance of glueline treated Douglas-fir laminated veneer lumber to Formosan termite attack. <i>European Journal of Wood and Wood Products</i> , 2015, 73, 551-552.	1.3	0
47	Degradation of Lignocellulosic Materials and Its Prevention. <i>Jom</i> , 2014, 66, 580-587.	0.9	8
48	Use of iron oxides to influence the weathering characteristics of wood surfaces: a systematic survey of particle size, crystal shape and concentration. <i>European Journal of Wood and Wood Products</i> , 2014, 72, 669-680.	1.3	10
49	Metal accumulation in root crops grown in planters constructed from copper azole treated lumber. <i>European Journal of Wood and Wood Products</i> , 2014, 72, 411-412.	1.3	0
50	Using computational modeling to enhance the understanding of the flow of supercritical carbon dioxide in wood materials. <i>Journal of Supercritical Fluids</i> , 2013, 82, 27-33.	1.6	10
51	Effects of post-layup ammoniacal copper zinc arsenate treatment on appearance and flexural properties of Douglas-fir glued laminated beams. <i>European Journal of Wood and Wood Products</i> , 2012, 70, 241-244.	1.3	3
52	Long-term performance of fused borate rods for limiting internal decay in Douglas-fir utility poles. <i>Holzforschung</i> , 2011, 65, .	0.9	11
53	The Use of Ozone to Kill Fungi in Wood. <i>Ozone: Science and Engineering</i> , 2009, 31, 333-335.	1.4	1
54	Potential of near infrared spectroscopy to assess hot-water-soluble extractive content and decay resistance of a tropical hardwood. <i>European Journal of Wood and Wood Products</i> , 2008, 66, 107-111.	1.3	20

#	ARTICLE	IF	CITATIONS
55	Molds and Stain Fungi. ACS Symposium Series, 2008, , 58-68.	0.5	0
56	Pentachlorophenol migration from treated wood exposed to simulated rainfall. Holzforschung, 2008, 62, .	0.9	6
57	Effect of moisture and fungal exposure on the mechanical properties of hem-fir plywood. Journal of Forestry Research, 2005, 16, 299-300.	1.7	6
58	Effects of Decay on the Cyclic Properties of Nailed Connections. Journal of Materials in Civil Engineering, 2005, 17, 579-585.	1.3	29
59	Fungal colonization of Douglas-fir sapwood lumber. Mycologia, 2000, 92, 609-615.	0.8	11
60	Measuring Retention of Chromated Copper Arsenate in Conifer Sapwood by Direct-Scan X-Ray Techniques. Journal of Wood Chemistry and Technology, 1990, 10, 21-38.	0.9	1
61	Long term performance of preservative treated shingles of western wood species. Forest Products Journal, 0, , .	0.2	0