

Jeffrey J Morrell

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

510
citations

840776

11
h-index

794594

19
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61
all docs

61
docs citations

61
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Fungal Degradation of Wood: Emerging Data, New Insights and Changing Perceptions. Coatings, 2020, 10, 1210.	2.6	86
2	Effects of Decay on the Cyclic Properties of Nailed Connections. Journal of Materials in Civil Engineering, 2005, 17, 579-585.	2.9	29
3	Potential for decay in mass timber elements: A review of the risks and identifying possible solutions. Wood Material Science and Engineering, 2020, 15, 351-360.	2.3	28
4	The antifungal mechanism of konjac flying powder extract and its active compounds against wood decay fungi. Industrial Crops and Products, 2021, 164, 113406.	5.2	21
5	Potential of near infrared spectroscopy to assess hot-water-soluble extractive content and decay resistance of aÄtropical hardwood. European Journal of Wood and Wood Products, 2008, 66, 107-111.	2.9	20
6	Identification of antifungal compounds in konjac flying powder and assessment against wood decay fungi. Industrial Crops and Products, 2019, 140, 111650.	5.2	20
7	Potential Use of Wollastonite as a Filler in UF Resin Based Medium-Density Fiberboard (MDF). Polymers, 2020, 12, 1435.	4.5	19
8	Nano-wollastonite to improve fire retardancy in medium-density fiberboard (MDF) made from wood fibers and camel-thorn. Wood Material Science and Engineering, 2021, 16, 161-165.	2.3	16
9	Superhydrophobic wood fabricated by epoxy/Cu ₂ (OH) ₃ Cl NPs/stearic acid with performance of desirable self-cleaning, anti-mold, dimensional stability, mechanical and chemical durability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129162.	4.7	15
10	Improving the Performance of Bamboo and Eucalyptus Wood fiber/Polypropylene Composites Using Pectinase Pre-treatments. Journal of Wood Chemistry and Technology, 2018, 38, 44-50.	1.7	13
11	Fungal colonization of Douglas-fir sapwood lumber. Mycologia, 2000, 92, 609-615.	1.9	11
12	Long-term performance of fused borate rods for limiting internal decay in Douglas-fir utility poles. Holzforschung, 2011, 65, .	1.9	11
13	A cost effective strategy to fabricate STA@PF@Cu ₂ O hierarchical structure on wood surface: aimed at superhydrophobic modification. Wood Science and Technology, 2021, 55, 565-583.	3.2	11
14	Effect of repeated wetting and drying on withdrawal capacity and corrosion of nails in treated and untreated timber. Construction and Building Materials, 2021, 284, 122878.	7.2	11
15	Using computational modeling to enhance the understanding of the flow of supercritical carbon dioxide in wood materials. Journal of Supercritical Fluids, 2013, 82, 27-33.	3.2	10
16	Use of iron oxides to influence the weathering characteristics of wood surfaces: a systematic survey of particle size, crystal shape and concentration. European Journal of Wood and Wood Products, 2014, 72, 669-680.	2.9	10
17	Effects of wollastonite on the properties of medium-density fiberboard (MDF) made from wood fibers and camel-thorn. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	10
18	Kinetic color analysis for assessing the effects of borate and glycerol on thermal modification of wood. Wood Science and Technology, 2019, 53, 263-274.	3.2	10

#	ARTICLE	IF	CITATIONS
19	Effects of Adsorption Energy on Air and Liquid Permeability of Nanowollastonite-Treated Medium-Density Fiberboard. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	10
20	Incorporation of a nano/micro CuO formulation into phenol formaldehyde (PF) resin: Curing kinetics, morphological analysis, and application. Journal of Wood Chemistry and Technology, 2019, 39, 372-383.	1.7	9
21	Performance of Exterior Wood Coatings in Temperate Climates. Coatings, 2021, 11, 325.	2.6	9
22	Degradation of Lignocellulosic Materials and Its Prevention. Jom, 2014, 66, 580-587.	1.9	8
23	Effect of post-treatment processing on copper migration from Douglas-fir lumber treated with ammoniacal copper zinc arsenate. Journal of Environmental Management, 2015, 152, 268-272.	7.8	8
24	Assessment of physical and mechanical properties of bamboo-plastic composites. Polymer Composites, 2019, 40, 2834-2839.	4.6	8
25	Improvement of mould resistance of wood with cinnamaldehyde chitosan emulsion. Wood Science and Technology, 2022, 56, 187-204.	3.2	8
26	Long-term outdoor weathering evaluation of wood plastic composites. European Journal of Wood and Wood Products, 2022, 80, 23-34.	2.9	7
27	Eco-friendly and mildly modification of wood cell walls with heat treated wood extracts to improve wood decay resistance. Industrial Crops and Products, 2022, 184, 115079.	5.2	7
28	Effect of moisture and fungal exposure on the mechanical properties of hem-fir plywood. Journal of Forestry Research, 2005, 16, 299-300.	3.6	6
29	Pentachlorophenol migration from treated wood exposed to simulated rainfall. Holzforschung, 2008, 62, .	1.9	6
30	Incidence of decay in creosote-treated Scots pine poles in Ireland. Holzforschung, 2018, 72, 1079-1086.	1.9	6
31	Superhydrophobic wood surface fabricated by Cu ₂ O nano-particles and stearic acid: its acid/alkali and wear resistance. Holzforschung, 2021, 75, 917-931.	1.9	6
32	Effects of extracts on the colour of thermally modified Populus tomentosa Carr.. Wood Science and Technology, 2021, 55, 1075-1090.	3.2	6
33	Culture-based identification to examine spatiotemporal patterns of fungal communities colonizing wood in ground contact. Mycologia, 2019, 111, 703-718.	1.9	5
34	Wollastonite to Improve Fire Properties in Medium-Density Fiberboard Made from Wood and Chicken Feather Fibers. Applied Sciences (Switzerland), 2021, 11, 3070.	2.5	5
35	Effect of tallow impregnation on moisture behavior and decay resistance of various wood species. Wood Material Science and Engineering, 2021, 16, 260-268.	2.3	5
36	Superhydrophobic STA@PF@Cu ₂ O modified wood with photocatalytic degradation properties for efficiency oil/water separation. Journal of Environmental Chemical Engineering, 2021, 9, 106857.	6.7	5

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37	Effect of post-treatment steaming on preservative migration from pentachlorophenol-treated wood. International Wood Products Journal, 2019, 10, 70-77.	1.1	4
38	Review of the effects of incising on treatability and strength of wood. Wood Material Science and Engineering, 2023, 18, 751-762.	2.3	4
39	Effects of post-layup ammoniacal copper zinc arsenate treatment on appearance and flexural properties of Douglas-fir glued laminated beams. European Journal of Wood and Wood Products, 2012, 70, 241-244.	2.9	3
40	Migration of pentachlorophenol and copper from a preservative treated bridge. Journal of Environmental Management, 2017, 203, 273-277.	7.8	3
41	Nondestructive bending tests on Douglas-fir utility poles as a potential tool for pole sorting and for prediction of their behavior in service. Holzforschung, 2017, 71, 397-403.	1.9	2
42	Assessment of preservative migration from wood using a soil sachet method. Environmental Science and Pollution Research, 2019, 26, 19598-19605.	5.3	2
43	Fungal colonization patterns of wood exposed out of soil contact in Western Oregon. International Biodeterioration and Biodegradation, 2019, 137, 14-22.	3.9	2
44	Fabrication of nano-cupric oxide in phenol-formaldehyde resin adhesive: effect of cupric chloride concentration on resin performance. Wood Science and Technology, 2020, 54, 1551-1567.	3.2	2
45	Ability to predict flexural properties of Douglas-fir crossarms. Wood Material Science and Engineering, 2020, , 1-9.	2.3	2
46	Impact of moisture cycling on lateral resistance of resin-impregnated compressed beech nails in radiata pine timber. International Wood Products Journal, 2021, 12, 147-151.	1.1	2
47	Effect of thermal modification of slash pine with linseed oil on water repellency and performance of mechanical connections. Construction and Building Materials, 2021, 305, 124776.	7.2	2
48	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. Coatings, 2022, 12, 85.	2.6	2
49	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.	1.7	1
50	The Use of Ozone to Kill Fungi in Wood. Ozone: Science and Engineering, 2009, 31, 333-335.	2.5	1
51	Performance of polyurea-coated Douglas-fir timbers exposed in Hilo Hawaii. International Wood Products Journal, 2019, 10, 31-36.	1.1	1
52	Effect of distance above-ground on fungal colonization of blackgum and red oak ties during air-seasoning. International Wood Products Journal, 2020, 11, 146-153.	1.1	1
53	Thermal tolerance of an invasive drywood termite, Cryptotermes brevis (Blattodea: Kalotermitidae). Journal of Thermal Biology, 2022, 104, 103199.	2.5	1
54	Molds and Stain Fungi. ACS Symposium Series, 2008, , 58-68.	0.5	0

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55	Metal accumulation in root crops grown in planters constructed from copper azole treated lumber. European Journal of Wood and Wood Products, 2014, 72, 411-412.	2.9	0
56	Effect of edge-sealing on resistance of glueline treated Douglas-fir laminated veneer lumber to Formosan termite attack. European Journal of Wood and Wood Products, 2015, 73, 551-552.	2.9	0
57	Use of acoustic testing to detect decay and sort western juniper for modulus of elasticity and modulus of rupture. Wood Material Science and Engineering, 2018, 13, 197-203.	2.3	0
58	Migration of creosote components from timbers treated with creosote and processed using Best Management Practices. Journal of Environmental Management, 2020, 276, 111270.	7.8	0
59	Comparisons between individual and combined assays for quality control of wood treatments. European Journal of Wood and Wood Products, 2020, 78, 605-608.	2.9	0
60	Long term performance of preservative treated shingles of western wood species. Forest Products Journal, 0, , .	0.4	0
61	Effect of Holes Drilled Various Distances from the Edge of Douglas Fir Utility Poles Tested in Bending. Advances in Civil Engineering Materials, 2019, 8, 511-526.	0.6	0