

Jeffrey J Morrell

List of Publications by Year in descending order

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61
papers

510
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840585

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794469

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all docs

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docs citations

61
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Fungal Degradation of Wood: Emerging Data, New Insights and Changing Perceptions. <i>Coatings</i> , 2020, 10, 1210.	1.2	86
2	Effects of Decay on the Cyclic Properties of Nailed Connections. <i>Journal of Materials in Civil Engineering</i> , 2005, 17, 579-585.	1.3	29
3	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
4	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
5	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
6	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
7	Potential Use of Wollastonite as a Filler in UF Resin Based Medium-Density Fiberboard (MDF). <i>Polymers</i> , 2020, 12, 1435.	2.0	19
8	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
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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129162.	2.3	15
10	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
11	Fungal colonization of Douglas-fir sapwood lumber. <i>Mycologia</i> , 2000, 92, 609-615.	0.8	11
12	Long-term performance of fused borate rods for limiting internal decay in Douglas-fir utility poles. <i>Holzforschung</i> , 2011, 65, .	0.9	11
13	A cost effective strategy to fabricate STA@PF@Cu ₂ O hierarchical structure on wood surface: aimed at superhydrophobic modification. <i>Wood Science and Technology</i> , 2021, 55, 565-583.	1.4	11
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	Performance of Exterior Wood Coatings in Temperate Climates. <i>Coatings</i> , 2021, 11, 325.	1.2	9
22	Degradation of Lignocellulosic Materials and Its Prevention. <i>Jom</i> , 2014, 66, 580-587.	0.9	8
23	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
24	Assessment of physical and mechanical properties of bamboo-plastic composites. <i>Polymer Composites</i> , 2019, 40, 2834-2839.	2.3	8
25	Improvement of mould resistance of wood with cinnamaldehyde chitosan emulsion. <i>Wood Science and Technology</i> , 2022, 56, 187-204.	1.4	8
26	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
27	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
28	Effect of moisture and fungal exposure on the mechanical properties of hem-fir plywood. <i>Journal of Forestry Research</i> , 2005, 16, 299-300.	1.7	6
29	Pentachlorophenol migration from treated wood exposed to simulated rainfall. <i>Holzforschung</i> , 2008, 62, .	0.9	6
30	Incidence of decay in creosote-treated Scots pine poles in Ireland. <i>Holzforschung</i> , 2018, 72, 1079-1086.	0.9	6
31	Superhydrophobic wood surface fabricated by Cu ₂ O nano-particles and stearic acid: its acid/alkali and wear resistance. <i>Holzforschung</i> , 2021, 75, 917-931.	0.9	6
32	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
33	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
34	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
35	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
36	Superhydrophobic STA@PF@Cu ₂ 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

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37	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
38	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
39	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
40	Migration of pentachlorophenol and copper from a preservative treated bridge. <i>Journal of Environmental Management</i> , 2017, 203, 273-277.	3.8	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. <i>Holzforschung</i> , 2017, 71, 397-403.	0.9	2
42	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
43	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
44	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
45	Ability to predict flexural properties of Douglas-fir crossarms. <i>Wood Material Science and Engineering</i> , 2020, , 1-9.	1.1	2
46	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
47	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
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. <i>Coatings</i> , 2022, 12, 85.	1.2	2
49	Measuring Retention of Chromated Copper Arsenate in Conifer Sapwood by Direct-Scan X-Ray Techniques. <i>Journal of Wood Chemistry and Technology</i> , 1990, 10, 21-38.	0.9	1
50	The Use of Ozone to Kill Fungi in Wood. <i>Ozone: Science and Engineering</i> , 2009, 31, 333-335.	1.4	1
51	Performance of polyurea-coated Douglas-fir timbers exposed in Hilo Hawaii. <i>International Wood Products Journal</i> , 2019, 10, 31-36.	0.6	1
52	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
53	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
54	Molds and Stain Fungi. <i>ACS Symposium Series</i> , 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.	1.3	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.	1.3	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.	1.1	0
58	Migration of creosote components from timbers treated with creosote and processed using Best Management Practices. Journal of Environmental Management, 2020, 276, 111270.	3.8	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.	1.3	0
60	Long term performance of preservative treated shingles of western wood species. Forest Products Journal, 0, , .	0.2	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.	0.2	0