

S H Lee

List of Publications by Year in descending order

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119
papers

2,130
citations

279798

23
h-index

289244

40
g-index

123
all docs

123
docs citations

123
times ranked

1629
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Review on Advanced Sustainable Woven Natural Fibre Polymer Composites. <i>Polymers</i> , 2021, 13, 471.	4.5	127
2	Thermal Properties of Woven Kenaf/Carbon Fibre-Reinforced Epoxy Hybrid Composite Panels. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-8.	2.7	117
3	Thermal treatment of wood using vegetable oils: A review. <i>Construction and Building Materials</i> , 2018, 181, 408-419.	7.2	100
4	Lignin-based copolymer adhesives for composite wood panels – A review. <i>International Journal of Adhesion and Adhesives</i> , 2019, 95, 102408.	2.9	86
5	Importance of Interfacial Adhesion Condition on Characterization of Plant-Fiber-Reinforced Polymer Composites: A Review. <i>Polymers</i> , 2021, 13, 438.	4.5	85
6	Reducing formaldehyde emission of urea formaldehyde-bonded particleboard by addition of amines as formaldehyde scavenger. <i>Building and Environment</i> , 2018, 142, 188-194.	6.9	69
7	The Effects of Unbleached and Bleached Nanocellulose on the Thermal and Flammability of Polypropylene-Reinforced Kenaf Core Hybrid Polymer Bionanocomposites. <i>Polymers</i> , 2021, 13, 116.	4.5	69
8	A review on the orthotics and prosthetics and the potential of kenaf composites as alternative materials for ankle-foot orthosis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 99, 169-185.	3.1	67
9	Characterization of alkali treated new cellulosic fibre from <i>Cyrtostachys renda</i> . <i>Journal of Materials Research and Technology</i> , 2020, 9, 3537-3546.	5.8	67
10	Potential for Natural Fiber Reinforcement in PLA Polymer Filaments for Fused Deposition Modeling (FDM) Additive Manufacturing: A Review. <i>Polymers</i> , 2021, 13, 1407.	4.5	63
11	Effect of C/N ratio in methane productivity and biodegradability during facultative co-digestion of palm oil mill effluent and empty fruit bunch. <i>Industrial Crops and Products</i> , 2015, 76, 409-415.	5.2	56
12	Effects of Fabric Counts and Weave Designs on the Properties of Laminated Woven Kenaf/Carbon Fibre Reinforced Epoxy Hybrid Composites. <i>Polymers</i> , 2018, 10, 1320.	4.5	55
13	A Comprehensive Review on Bast Fibre Retting Process for Optimal Performance in Fibre-Reinforced Polymer Composites. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-27.	1.8	51
14	A Review on Citric Acid as Green Modifying Agent and Binder for Wood. <i>Polymers</i> , 2020, 12, 1692.	4.5	49
15	Potential of Oil Palm Empty Fruit Bunch Resources in Nanocellulose Hydrogel Production for Versatile Applications: A Review. <i>Materials</i> , 2020, 13, 1245.	2.9	49
16	Mechanical and physical properties of Cross-Laminated Timber made from <i>Acacia mangium</i> wood as function of adhesive types. <i>Journal of Wood Science</i> , 2019, 65, .	1.9	47
17	Reducing ash related operation problems of fast growing timber species and oil palm biomass for combustion applications using leaching techniques. <i>Energy</i> , 2015, 90, 622-630.	8.8	41
18	Effect of wood species, clamping pressure and glue spread rate on the bonding properties of cross-laminated timber (CLT) manufactured from tropical hardwoods. <i>Construction and Building Materials</i> , 2021, 273, 121721.	7.2	36

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19	Effect of treatment on water absorption behavior of natural fiber-reinforced polymer composites. , 2019, , 141-156.		35
20	Hydrothermal Modification of Wood: A Review. <i>Polymers</i> , 2021, 13, 2612.	4.5	34
21	Effects of two-step post heat-treatment in palm oil on the properties of oil palm trunk particleboard. <i>Industrial Crops and Products</i> , 2018, 116, 249-258.	5.2	33
22	Physico-mechanical properties of laminates made from Sematan bamboo and Sesenduk wood derived from Malaysia's secondary forest. <i>International Forestry Review</i> , 2017, 19, 1-8.	0.6	33
23	Curing and thermal properties of co-polymerized tannin phenol-formaldehyde resin for bonding wood veneers. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6994-7001.	5.8	31
24	Portable, wireless, and effective internet of things-based sensors for precision agriculture. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 3901-3916.	3.5	28
25	Effects of degree of substitution and irradiation doses on the properties of hydrogel prepared from carboxymethyl-sago starch and polyethylene glycol. <i>Carbohydrate Polymers</i> , 2021, 252, 117224.	10.2	25
26	Engineering Wood Products from Eucalyptus spp.. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-14.	1.8	22
27	Microstructural, mechanical and physical properties of post heat-treated melamine-fortified urea formaldehyde-bonded particleboard. <i>European Journal of Wood and Wood Products</i> , 2015, 73, 607-616.	2.9	21
28	Bioenergy Production from Bamboo: Potential Source from Malaysia's Perspective. <i>BioResources</i> , 2017, 12, 6844-6867.	1.0	20
29	Comparison of three processing methods for laminated bamboo timber production. <i>Journal of Forestry Research</i> , 2019, 30, 363-369.	3.6	20
30	Surface Modified Nanocellulose and Its Reinforcement in Natural Rubber Matrix Nanocomposites: A Review. <i>Polymers</i> , 2021, 13, 3241.	4.5	19
31	Bond integrity of cross laminated timber from Acacia mangium wood as affected by adhesive types, pressing pressures and loading direction. <i>International Journal of Adhesion and Adhesives</i> , 2019, 94, 24-28.	2.9	18
32	Mechanical Strength, Thermal Conductivity and Electrical Breakdown of Kenaf Core Fiber/Lignin/Polypropylene Biocomposite. <i>Polymers</i> , 2020, 12, 1833.	4.5	18
33	Effect of ACQ treatment on surface quality and bonding performance of four Malaysian hardwoods and cross laminated timber (CLT). <i>European Journal of Wood and Wood Products</i> , 2021, 79, 285-299.	2.9	18
34	Performance of compreg laminated bamboo/wood hybrid using phenolic-resin-treated strips as core layer. <i>European Journal of Wood and Wood Products</i> , 2016, 74, 621-624.	2.9	17
35	Mechanical properties of finger jointed beams fabricated from eight Malaysian hardwood species. <i>Construction and Building Materials</i> , 2017, 145, 464-473.	7.2	17
36	Modification of Ramie Fiber via Impregnation with Low Viscosity Bio-Polyurethane Resins Derived from Lignin. <i>Polymers</i> , 2022, 14, 2165.	4.5	17

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37	Characterisation of phenolic resin and nanoclay admixture and its effect on impreg wood. <i>Wood Science and Technology</i> , 2015, 49, 1209-1224.	3.2	16
38	Yield and Calorific Value of Bio Oil Pyrolysed from Oil Palm Biomass and its Relation with Solid Residence Time and Process Temperature. <i>Asian Journal of Scientific Research</i> , 2015, 8, 351-358.	0.1	16
39	Thermal, Physical and Mechanical Properties of Poly(Butylene Succinate)/Kenaf Core Fibers Composites Reinforced with Esterified Lignin. <i>Polymers</i> , 2021, 13, 2359.	4.5	14
40	Physico-Mechanical and Biological Durability of Citric Acid-Bonded Rubberwood Particleboard. <i>Polymers</i> , 2021, 13, 98.	4.5	14
41	Durability of phenolic-resin-treated sesenduk (<i>Endospermum diadenum</i>) and jelutong (<i>Dyera</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 553-555.	2.9	13
42	Diversity and characterization of lignocellulolytic fungi isolated from oil palm empty fruit bunch, and identification of influencing factors of natural composting process. <i>Waste Management</i> , 2019, 100, 128-137.	7.4	13
43	Influence of cellulose II polymorph nanowhiskers on bio-based nanocomposite film from <i>Jatropha</i> oil polyurethane. <i>Materials Research Express</i> , 2021, 8, 015003.	1.6	13
44	Design and development of a robot for spraying fertilizers and pesticides for agriculture. <i>Materials Today: Proceedings</i> , 2023, 81, 242-248.	1.8	13
45	Rhipicephalus Tick: A Contextual Review for Southeast Asia. <i>Pathogens</i> , 2021, 10, 821.	2.8	13
46	Production of Low Formaldehyde Emission Particleboard by Using New Formulated Formaldehyde Based Resin. <i>Asian Journal of Scientific Research</i> , 2011, 4, 264-270.	0.1	13
47	Properties of Particleboard from Oil Palm Biomasses Bonded with Citric Acid and Tapioca Starch. <i>Polymers</i> , 2021, 13, 3494.	4.5	13
48	Tannin-Based Bioresin as Adhesives. , 2019, , 109-133.		12
49	Effect of Lignin Modification on Properties of Kenaf Core Fiber Reinforced Poly(Butylene Succinate) Biocomposites. <i>Materials</i> , 2019, 12, 4043.	2.9	12
50	<i>Jatropha</i> Oil as a Substituent for Palm Oil in Biobased Polyurethane. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-12.	2.7	12
51	Effect of Post Heat Treatment on Dimensional Stability of UF Bonded Particleboard. <i>Asian Journal of Applied Sciences</i> , 2012, 5, 299-306.	0.4	12
52	Sorption isotherm and physico-mechanical properties of kedondong (<i>Canarium spp.</i>) wood treated with phenolic resin. <i>Construction and Building Materials</i> , 2021, 288, 123060.	7.2	11
53	Effects of superheated steam treatment on the physical and mechanical properties of light red meranti and kedondong wood. <i>Journal of Tropical Forest Science</i> , 2018, 30, 384-392.	0.2	11
54	A brief review of computational analysis and experimental models of composite materials for aerospace applications. <i>Journal of Reinforced Plastics and Composites</i> , 2019, 38, 1031-1039.	3.1	10

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55	Evaluation of the virulence of entomopathogenic fungus, <i>Isaria fumosorosea</i> isolates against subterranean termites <i>Coptotermes</i> spp. (Isoptera: Rhinotermitidae). <i>Journal of Forestry Research</i> , 2019, 30, 213-218.	3.6	10
56	Design and fabrication of an agricultural robot for crop seeding. <i>Materials Today: Proceedings</i> , 2023, 81, 283-289.	1.8	10
57	Effectiveness of Pyrolytic Acids from Vapour Released in Charcoal Industry Against Biodegradable Agent under Laboratory Condition. <i>Journal of Applied Sciences</i> , 2011, 11, 3848-3853.	0.3	10
58	Chemical, physico-mechanical properties and biological durability of rubberwood particleboards after post heat-treatment in palm oil. <i>Holzforschung</i> , 2018, 72, 159-167.	1.9	9
59	Mechanical properties of PP/kenaf core nanocomposites made from nanocrystalline cellulose as an additive. <i>Journal of Reinforced Plastics and Composites</i> , 2019, 38, 88-95.	3.1	9
60	Durability of Superheated Steam-Treated Light Red Meranti (<i>Shorea</i> spp.) and Kedondong (<i>Canarium</i>) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	3.2	9
61	Termite Digestomes as a Potential Source of Symbiotic Microbiota for Lignocelluloses Degradation: A Review. <i>Pakistan Journal of Biological Sciences</i> , 2014, 17, 956-963.	0.5	9
62	Dimensional stability of heat oil-cured particleboard made with oil palm trunk and rubberwood. <i>European Journal of Wood and Wood Products</i> , 2017, 75, 285-288.	2.9	8
63	Physical and Mechanical Properties of Paper Made from Beaten Empty Fruit Bunch Fiber Incorporated with Microcrystalline Cellulose. <i>Journal of Natural Fibers</i> , 2022, 19, 999-1011.	3.1	8
64	Influence of <i>Chrysoporthe deuterocubensis</i> Canker Disease on the Physical and Mechanical Properties of <i>Eucalyptus urograndis</i> . <i>Forests</i> , 2021, 12, 639.	2.1	8
65	Physical, Morphological, Structural, Thermal and Mechanical Properties of Pineapple Leaf Fibers. <i>Green Energy and Technology</i> , 2020, , 91-121.	0.6	8
66	Physico-mechanical properties of particleboard made from heat-treated rubberwood particles. <i>European Journal of Wood and Wood Products</i> , 2017, 75, 655-658.	2.9	7
67	Lignocellulosic nanomaterials for construction and building applications. , 2019, , 423-439.		7
68	Chemical, Physical and Biological Treatments of Pineapple Leaf Fibres. <i>Green Energy and Technology</i> , 2020, , 73-90.	0.6	7
69	Characterization of Mixed Pellets Made from Rubberwood (<i>Hevea brasiliensis</i>) and Refuse-Derived Fuel (RDF) Waste as Pellet Fuel. <i>Materials</i> , 2022, 15, 3093.	2.9	6
70	Addition of ammonium hydroxide as formaldehyde scavenger for sesenduk (<i>Endospermum diadenum</i>) wood compregnated using phenolic resins. <i>European Journal of Wood and Wood Products</i> , 2016, 74, 277-280.	2.9	5
71	Utilizing the Internet of Things (IoT) to Develop a Remotely Monitored Autonomous Floodgate for Water Management and Control. <i>Water (Switzerland)</i> , 2020, 12, 502.	2.7	5
72	Water vapour sorption behaviour and physico-mechanical properties of methyl methacrylate (MMA)- and MMA- σ -styrene-modified batai (<i>Paraserianthes falcataria</i>) wood. <i>Holzforschung</i> , 2021, 75, 444-451.	1.9	5

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73	Effects of Ammonium Carbonate Post Treatment on Phenolic Resin Treated Sesenduk (<i>Endospermum</i>) Tj ETQq1 1 0,784314 ggBT /Overl	0.5	5
74	Prevalence of Ectoparasitism on Small Ruminants in Kelantan, Malaysia. <i>Tropical Life Sciences Research</i> , 2020, 31, 45-56.	0.9	5
75	Effects of surface pretreatment on wettability of <i>Acacia mangium</i> wood. <i>Journal of Tropical Forest Science</i> , 2019, 31, 249-258.	0.2	5
76	Strength improvement of jelutong (<i>Dyera costulata</i>) wood via phenolic resin treatments. <i>Journal of the Indian Academy of Wood Science</i> , 2015, 12, 132-136.	0.9	4
77	Insight on the properties of thermoplastic elastomer-based natural rubber and recycled rubber post-treated with electron beam irradiation. <i>Materials Research Express</i> , 2021, 8, 025302.	1.6	4
78	Biocomposites and Nanocomposites. , 2021, , 29-60.		4
79	Redesigning dispenser component to enhance performance crop-dusting agriculture drones. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	4
80	Behaviour of Walls Constructed using Kelempayan (<i>Neolamarckia cadamba</i>) Wood Wool Reinforced Cement Board. <i>Sains Malaysiana</i> , 2018, 47, 1897-1906.	0.5	4
81	Resistance improvement of rubberwood treated with zinc oxide nanoparticles and phenolic resin against white-rot fungi, <i>Pycnoporus sanguineus</i> . <i>Maderas: Ciencia Y Tecnologia</i> , 2019, , 0-0.	0.7	4
82	Value Added Productivity Performance of the Peninsular Malaysian Wood Sawmilling Industry. <i>BioResources</i> , 2015, 10, .	1.0	3
83	Effects of pressing cycles and durations on the properties of compreg oil palm wood. <i>Wood Material Science and Engineering</i> , 2019, 14, 59-65.	2.3	3
84	The Sulphate Removal via Post Alkaline Treatment on Nanocrystalline Cellulose with Different Lignin Content Extracted from Kenaf Core. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2021, 84, 11-19.	0.6	3
85	Soil-Borne Entomopathogenic Bacteria and Fungi. <i>Sustainability in Plant and Crop Protection</i> , 2019, , 23-41.	0.4	3
86	Response of <i>Coptotermes curvignathus</i> (Isoptera: Rhinotermitidae) to Formaldehyde Catcher-treated Particleboard. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 1415-1418.	0.5	3
87	Preliminary study on properties evaluation of cement added gypsum board reinforced with kenaf (<i>Hibiscus cannabinus</i>) bast fibres. <i>Journal of the Indian Academy of Wood Science</i> , 2017, 14, 46-48.	0.9	2
88	Physico-mechanical properties of light red meranti (<i>Shorea</i> spp.) and kedondong (<i>Canarium</i> spp.) wood heat treated in convection oven. <i>Journal of the Indian Academy of Wood Science</i> , 2018, 15, 41-44.	0.9	2
89	Evaluation of injury caused by lace bug, <i>Cochlochila bullita</i> (Stål) (Hemiptera: Tingidae) on <i>Catá€™s whiskers</i> , <i>Orthosiphon aristatus</i> (Blume) Miq. and Sweet basil, <i>Ocimum basilicum</i> Linnaeus. <i>International Journal of Tropical Insect Science</i> , 2019, 39, 17-24.	1.0	2
90	Drying performance, as well as physical and flexural properties of oil palm wood dried via the super-fast drying method. <i>BioResources</i> , 2020, 16, 1674-1685.	1.0	2

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91	Smart motorcycle helmet for enhanced Rider's comfort and safety. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	2
92	Incidence and Severity of End-Splitting in Plantation-Grown <i>Eucalyptus pellita</i> F. Muell. in North Borneo. <i>Forests</i> , 2021, 12, 266.	2.1	2
93	Autonomous fertilizer mixer through the Internet of Things (IoT). <i>Materials Today: Proceedings</i> , 2023, 81, 295-301.	1.8	2
94	Development and Characterization of Wood and Non-wood Particle Based Green Composites. <i>Green Energy and Technology</i> , 2017, , 181-198.	0.6	2
95	Empty Fruit Bunches in the Race for Energy, Biochemical, and Material Industry. , 2015, , 375-389.		2
96	Improving Flame Retardancy of Pineapple Leaf Fibers. <i>Green Energy and Technology</i> , 2020, , 123-141.	0.6	2
97	Characterization of particleboard made from oil heat-treated rubberwood particles at different mixing ratios. <i>BioResources</i> , 2020, 15, 6795-6810.	1.0	2
98	Low viscosity melamine urea formaldehyde resin as a bulking agent in reducing formaldehyde emission of treated wood. <i>BioResources</i> , 2020, 15, 2195-2211.	1.0	2
99	First Report of <i>Trypanosoma theileri</i> in Equine Host and <i>Tabanus</i> sp. in Malaysia. <i>Journal of Equine Veterinary Science</i> , 2022, 108, 103807.	0.9	2
100	Nitrogen deposition and release pattern of slow release fertiliser made from urea-impregnated oil palm frond and rubberwood chips. <i>Journal of Forestry Research</i> , 2019, 30, 2087-2094.	3.6	1
101	<i>Amblyomma cordiferum</i> Neumann, 1899 (Acari: Ixodidae) parasitizing reticulated pythons, <i>Malayopython reticulatus</i> (Schneider, 1801) (Reptilia: Pythonidae) in Peninsular Malaysia. <i>Ticks and Tick-borne Diseases</i> , 2019, 10, 101285.	2.7	1
102	A preliminary study on physical and mechanical properties of particleboard made from palm oil-treated rubberwood particles. <i>Journal of the Indian Academy of Wood Science</i> , 2019, 16, 27-30.	0.9	1
103	Finishing performance of <i>Acacia mangium</i> wood surface-treated with methanol. <i>Journal of Adhesion</i> , 2020, , 1-20.	3.0	1
104	Synthesis and evaluation of low viscosity melamine urea formaldehyde for bulking treatment of wood. <i>Journal of the Indian Academy of Wood Science</i> , 2020, 17, 176-182.	0.9	1
105	Ovicidal Efficacy of <i>Metarhizium anisopliae</i> (Hypocreales: Clavicipitaceae) towards <i>Rhipicephalus sanguineus</i> (Acari: Ixodidae) Eggs. <i>Tropical Biomedicine</i> , 2021, 38, 102-105.	0.7	1
106	Recent trends on organizational energy reduction policies and best practices in South-East Asia. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
107	Evaluation of wetting, structural and thermal properties of electrospun nanofibers at different pineapple leaf fiber / polyethylene terephthalate ratios. <i>Maderas: Ciencia Y Tecnologia</i> , 0, 23, .	0.7	1
108	Abrasive Machining Characteristics and Prediction Model for Sisal/Polyester Sandwich Composite. <i>Journal of Natural Fibers</i> , 2022, 19, 7956-7972.	3.1	1

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109	Resistance of Laminated Veneer Lumber (LVL) Produced from Rubberwood, Radiata Pine and Larch Against Subterranean Termites And White Rot Fungi. <i>Current Investigations in Agriculture and Current Research</i> , 2018, 3, .	0.4	1
110	Survey of Leaf Fungal Disease on Urban Tree at Taman Putra Perdana, Putrajaya, Malaysia. <i>Poly(amino) Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	0.1	1
111	Nanocellulose composites in the pulp and paper industry. , 2022, , 375-395.		1
112	Properties Enhancement of Oil Palm Trunk Plywood against Decay and Termite for Marine Applications. <i>Polymers</i> , 2022, 14, 2680.	4.5	1
113	Physical Properties of Hydrothermally Treated Rubberwood [<i>Hevea brasiliensis</i> (Willd. ex A. Juss.) MÃ¼ll. Arg.] in Different Buffered Media. <i>Forests</i> , 2022, 13, 1052.	2.1	1
114	Properties of Slow Release Fertilizer Composites Made from Electron Beam-irradiated Poly(Butylene) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	1.0	0
115	Holistic view for the safe use of nanomaterials at permissible level for plant production. , 2020, , 257-272.		0
116	A Low Velocity Impact Properties of Hybrid of Pineapple Leaf Fibre and Kenaf Fibre Reinforced Vinyl Ester Composites. <i>Composites Science and Technology</i> , 2021, , 131-142.	0.6	0
117	Morphological Re-description of <i>Cochlochila bullita</i> (StÃ¶l) (Heteroptera: Tingidae), a Potential Pest of <i>Orthosiphon aristatus</i> Blume Miq. (Lamiales: Lamiaceae) in Malaysia. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 1786-1790.	0.5	0
118	Mechanical Properties of Nanoclay Composite Materials. , 2020, , 91-111.		0
119	Thermal properties of <i>Acacia mangium</i> Cross Laminated Timber and its gluelines bonded with two structural adhesives. <i>Maderas: Ciencia Y Tecnologia</i> , 0, 23, .	0.7	0