

S H Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/655450/publications.pdf>

Version: 2024-02-01

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	Autonomous fertilizer mixer through the Internet of Things (IoT). <i>Materials Today: Proceedings</i> , 2023, 81, 295-301.	1.8	2
2	Design and fabrication of an agricultural robot for crop seeding. <i>Materials Today: Proceedings</i> , 2023, 81, 283-289.	1.8	10
3	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
4	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
5	Abrasive Machining Characteristics and Prediction Model for Sisal/Polyester Sandwich Composite. <i>Journal of Natural Fibers</i> , 2022, 19, 7956-7972.	3.1	1
6	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
7	Engineering Wood Products from <i>Eucalyptus</i> spp.. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-14.	1.8	22
8	Nanocellulose composites in the pulp and paper industry. , 2022, , 375-395.		1
9	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
10	Modification of Ramie Fiber via Impregnation with Low Viscosity Bio-Polyurethane Resins Derived from Lignin. <i>Polymers</i> , 2022, 14, 2165.	4.5	17
11	Properties Enhancement of Oil Palm Trunk Plywood against Decay and Termite for Marine Applications. <i>Polymers</i> , 2022, 14, 2680.	4.5	1
12	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
13	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
14	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
15	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
16	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
17	Importance of Interfacial Adhesion Condition on Characterization of Plant-Fiber-Reinforced Polymer Composites: A Review. <i>Polymers</i> , 2021, 13, 438.	4.5	85
18	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

#	ARTICLE	IF	CITATIONS
19	Smart motorcycle helmet for enhanced Rider's comfort and safety. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	2
20	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
21	Jatropha Oil as a Substituent for Palm Oil in Biobased Polyurethane. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-12.	2.7	12
22	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
23	A Comprehensive Review on Advanced Sustainable Woven Natural Fibre Polymer Composites. <i>Polymers</i> , 2021, 13, 471.	4.5	127
24	Biocomposites and Nanocomposites. , 2021, , 29-60.		4
25	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
26	Recent trends on organizational energy reduction policies and best practices in South-East Asia. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
27	Redesigning dispenser component to enhance performance crop-dusting agriculture drones. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	4
28	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
29	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
30	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
31	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
32	<i>Rhipicephalus</i> Tick: A Contextual Review for Southeast Asia. <i>Pathogens</i> , 2021, 10, 821.	2.8	13
33	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
34	Hydrothermal Modification of Wood: A Review. <i>Polymers</i> , 2021, 13, 2612.	4.5	34
35	Surface Modified Nanocellulose and Its Reinforcement in Natural Rubber Matrix Nanocomposites: A Review. <i>Polymers</i> , 2021, 13, 3241.	4.5	19
36	Water vapour sorption behaviour and physico-mechanical properties of methyl methacrylate (MMA)- and MMA-styrene-modified batai (<i>Paraserianthes falcataria</i>) wood. <i>Holzforschung</i> , 2021, 75, 444-451.	1.9	5

#	ARTICLE	IF	CITATIONS
37	Physico-Mechanical and Biological Durability of Citric Acid-Bonded Rubberwood Particleboard. <i>Polymers</i> , 2021, 13, 98.	4.5	14
38	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
39	Properties of Particleboard from Oil Palm Biomasses Bonded with Citric Acid and Tapioca Starch. <i>Polymers</i> , 2021, 13, 3494.	4.5	13
40	A Review on Citric Acid as Green Modifying Agent and Binder for Wood. <i>Polymers</i> , 2020, 12, 1692.	4.5	49
41	Finishing performance of Acacia mangium wood surface-treated with methanol. <i>Journal of Adhesion</i> , 2020, , 1-20.	3.0	1
42	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
43	Mechanical Strength, Thermal Conductivity and Electrical Breakdown of Kenaf Core Fiber/Lignin/Polypropylene Biocomposite. <i>Polymers</i> , 2020, 12, 1833.	4.5	18
44	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
45	Holistic view for the safe use of nanomaterials at permissible level for plant production. , 2020, , 257-272.		0
46	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
47	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
48	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
49	Durability of Superheated Steam-Treated Light Red Meranti (<i>Shorea spp.</i>) and Kedondong (<i>Canarium</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 10 T	3.2	9
50	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
51	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
52	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
53	Prevalence of Ectoparasitism on Small Ruminants in Kelantan, Malaysia. <i>Tropical Life Sciences Research</i> , 2020, 31, 45-56.	0.9	5
54	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

#	ARTICLE	IF	CITATIONS
55	Chemical, Physical and Biological Treatments of Pineapple Leaf Fibres. <i>Green Energy and Technology</i> , 2020, , 73-90.	0.6	7
56	Physical, Morphological, Structural, Thermal and Mechanical Properties of Pineapple Leaf Fibers. <i>Green Energy and Technology</i> , 2020, , 91-121.	0.6	8
57	Improving Flame Retardancy of Pineapple Leaf Fibers. <i>Green Energy and Technology</i> , 2020, , 123-141.	0.6	2
58	Mechanical Properties of Nanoclay Composite Materials. , 2020, , 91-111.		0
59	Characterization of particleboard made from oil heat-treated rubberwood particles at different mixing ratios. <i>BioResources</i> , 2020, 15, 6795-6810.	1.0	2
60	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
61	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
62	Lignin-based copolymer adhesives for composite wood panels – A review. <i>International Journal of Adhesion and Adhesives</i> , 2019, 95, 102408.	2.9	86
63	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
64	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
65	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
66	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
67	<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
68	Lignocellulosic nanomaterials for construction and building applications. , 2019, , 423-439.		7
69	Bond integrity of cross laminated timber from <i>Acacia mangium</i> 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
70	Tannin-Based Bioresin as Adhesives. , 2019, , 109-133.		12
71	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
72	Evaluation of injury caused by lace bug, <i>Cochlochila bullita</i> (Stål) (Hemiptera: Tingidae) on <i>Catnip</i> s whiskers, <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

#	ARTICLE	IF	CITATIONS
73	Effect of Lignin Modification on Properties of Kenaf Core Fiber Reinforced Poly(Butylene Succinate) Biocomposites. <i>Materials</i> , 2019, 12, 4043.	2.9	12
74	Effect of treatment on water absorption behavior of natural fiber reinforced polymer composites. , 2019, , 141-156.		35
75	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
76	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
77	Comparison of three processing methods for laminated bamboo timber production. <i>Journal of Forestry Research</i> , 2019, 30, 363-369.	3.6	20
78	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
79	Soil-Borne Entomopathogenic Bacteria and Fungi. <i>Sustainability in Plant and Crop Protection</i> , 2019, , 23-41.	0.4	3
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	Thermal treatment of wood using vegetable oils: A review. <i>Construction and Building Materials</i> , 2018, 181, 408-419.	7.2	100
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	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
93	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
94	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
95	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
96	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
97	Bioenergy Production from Bamboo: Potential Source from Malaysiaâ€™s Perspective. <i>BioResources</i> , 2017, 12, 6844-6867.	1.0	20
98	Development and Characterization of Wood and Non-wood Particle Based Green Composites. <i>Green Energy and Technology</i> , 2017, , 181-198.	0.6	2
99	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
100	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
101	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
102	Value Added Productivity Performance of the Peninsular Malaysian Wood Sawmilling Industry. <i>BioResources</i> , 2015, 10, .	1.0	3
103	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
104	Durability of phenolic-resin-treated sesenduk (<i>Endospermum diadenum</i>) and jelutong (<i>Dyera</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 553-555.	2.9	13
105	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
106	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
107	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
108	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

#	ARTICLE	IF	CITATIONS
109	Effects of Ammonium Carbonate Post Treatment on Phenolic Resin Treated Sesenduk (Endospermum) Tj ETQq1 1 0,784314 ggBT /Overl	0,5	16
110	Yield and Calorific Value of Bio Oil Pyrolysed from Oil Palm Biomass and its Relation with Solid Residence Time and Process Temperature. Asian Journal of Scientific Research, 2015, 8, 351-358.	0.1	16
111	Empty Fruit Bunches in the Race for Energy, Biochemical, and Material Industry. , 2015, , 375-389.		2
112	Termite Digestomes as a Potential Source of Symbiotic Microbiota for Lignocelluloses Degradation: A Review. Pakistan Journal of Biological Sciences, 2014, 17, 956-963.	0.5	9
113	Response of Coptotermes curvignathus (Isoptera: Rhinotermitidae) to Formaldehyde Catcher-treated Particleboard. Pakistan Journal of Biological Sciences, 2013, 16, 1415-1418.	0.5	3
114	Morphological Re-description of Cochlochila bullita (Stål) (Heteroptera: Tingidae), a Potential Pest of Orthosiphon aristatus Blume Miq. (Lamiales: Lamiaceae) in Malaysia. Pakistan Journal of Biological Sciences, 2013, 16, 1786-1790.	0.5	0
115	Effect of Post Heat Treatment on Dimensional Stability of UF Bonded Particleboard. Asian Journal of Applied Sciences, 2012, 5, 299-306.	0.4	12
116	Production of Low Formaldehyde Emission Particleboard by Using New Formulated Formaldehyde Based Resin. Asian Journal of Scientific Research, 2011, 4, 264-270.	0.1	13
117	Effectiveness of Pyrolytic Acids from Vapour Released in Charcoal Industry Against Biodegradable Agent under Laboratory Condition. Journal of Applied Sciences, 2011, 11, 3848-3853.	0.3	10
118	Evaluation of wetting, structural and thermal properties of electrospun nanofibers at different pineapple leaf fiber / polyethylene terephthalate ratios. Maderas: Ciencia Y Tecnologia, 0, 23, .	0.7	1
119	Thermal properties of Acacia mangium Cross Laminated Timber and its gluelines bonded with two structural adhesives. Maderas: Ciencia Y Tecnologia, 0, 23, .	0.7	0