# H P S Abdul Khalil

List of Publications by Year
in descending order

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|---|---|---|---|
| 273<br>papers | 15,048<br>citations | 30551<br>56<br>h-index | 25230<br>113<br>g-index |
| 281<br>all docs | 281<br>docs citations | 281<br>times ranked | 13863<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Green composites from sustainable cellulose nanofibrils: A review. Carbohydrate Polymers, 2012, 87, 963-979. | 5.1 | 1,276 |
| 2 | Cellulosic/synthetic fibre reinforced polymer hybrid composites: A review. Carbohydrate Polymers, 2011, 86, 1-18. | 5.1 | 1,103 |
| 3 | Production and modification of nanofibrillated cellulose using various mechanical processes: A review. Carbohydrate Polymers, 2014, 99, 649-665. | 5.1 | 1,046 |
| 4 | Bamboo fibre reinforced biocomposites: A review. Materials & Design, 2012, 42, 353-368. | 5.1 | 588 |
| 5 | Potential materials for food packaging from nanoclay/natural fibres filled hybrid composites. Materials & Design, 2013, 46, 391-410. | 5.1 | 488 |
| 6 | A review on chitosan-cellulose blends and nanocellulose reinforced chitosan biocomposites: Properties and their applications. Carbohydrate Polymers, 2016, 150, 216-226. | 5.1 | 394 |
| 7 | Effect of jute fibre loading on tensile and dynamic mechanical properties of oil palm epoxy composites. Composites Part B: Engineering, 2013, 45, 619-624. | 5.9 | 376 |
| 8 | Chemical composition, anatomy, lignin distribution, and cell wall structure of Malaysian plant waste fibers. BioResources, 2006, 1, 220-232. | 0.5 | 280 |
| 9 | Effect of fiber treatments on mechanical properties of coir or oil palm fiber reinforced polyester composites. Journal of Applied Polymer Science, 2000, 78, 1685-1697. | 1.3 | 233 |
| 10 | Chemical resistance, void content and tensile properties of oil palm/jute fibre reinforced polymer hybrid composites. Materials & Design, 2011, 32, 1014-1019. | 5.1 | 228 |
| 11 | Woven hybrid composites: Tensile and flexural properties of oil palm-woven jute fibres based epoxy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5190-5195. | 2.6 | 218 |
| 12 | Cell wall ultrastructure, anatomy, lignin distribution, and chemical composition of Malaysian cultivated kenaf fiber. Industrial Crops and Products, 2010, 31, 113-121. | 2.5 | 210 |
| 13 | A review on nanocellulosic fibres as new material for sustainable packaging: Process and applications. Renewable and Sustainable Energy Reviews, 2016, 64, 823-836. | 8.2 | 210 |
| 14 | Agro-hybrid Composite: The Effects on Mechanical and Physical Properties of Oil Palm Fiber (EFB)/Glass Hybrid Reinforced Polyester Composites. Journal of Reinforced Plastics and Composites, 2007, 26, 203-218. | 1.6 | 203 |
| 15 | Mechanical performance of oil palm empty fruit bunches/jute fibres reinforced epoxy hybrid composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 7944-7949. | 2.6 | 181 |
| 16 | Biodegradable green packaging with antimicrobial functions based on the bioactive compounds from tropical plants and their by-products. Trends in Food Science and Technology, 2020, 100, 262-277. | 7.8 | 175 |
| 17 | Woven hybrid biocomposites: Dynamic mechanical and thermal properties. Composites Part A: Applied Science and Manufacturing, 2012, 43, 288-293. | 3.8 | 172 |
| 18 | Recent advances in activated carbon modification techniques for enhanced heavy metal adsorption. Journal of Water Process Engineering, 2021, 43, 102221. | 2.6 | 172 |

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| 19 | Biodegradable polymer films from seaweed polysaccharides: A review on cellulose as a reinforcement material. EXPRESS Polymer Letters, 2017, 11, 244-265. | 1.1 | 168 |
| 20 | Chemical Composition, Morphological Characteristics, and Cell Wall Structure of Malaysian Oil Palm Fibers. Polymer-Plastics Technology and Engineering, 2008, 47, 273-280. | 1.9 | 159 |
| 21 | A Review on Plant Cellulose Nanofibre-Based Aerogels for Biomedical Applications. Polymers, 2020, 12, 1759. | 2.0 | 154 |
| 22 | Mechanical and thermal properties of sisal fiber-reinforced rubber seed oil-based polyurethane composites. Materials & Design, 2010, 31, 4274-4280. | 5.1 | 153 |
| 23 | Lignocellulose-based Hybrid Bilayer Laminate Composite: Part I - Studies on Tensile and Impact Behavior of Oil Palm Fiber-Glass Fiber-reinforced Epoxy Resin. Journal of Composite Materials, 2005, 39, 663-684. | 1.2 | 140 |
| 24 | Seaweed based sustainable films and composites for food and pharmaceutical applications: A review. Renewable and Sustainable Energy Reviews, 2017, 77, 353-362. | 8.2 | 136 |
| 25 | The effect of a compatibilizer on the mechanical properties and mass swell of white rice husk ash filled natural rubber/linear low density polyethylene blends. Polymer Testing, 2001, 20, 125-133. | 2.3 | 133 |
| 26 | Sisal/Carbon Fibre Reinforced Hybrid Composites: Tensile, Flexural and Chemical Resistance Properties. Journal of Polymers and the Environment, 2010, 18, 727-733. | 2.4 | 129 |
| 27 | Exploration of a Chemo-Mechanical Technique for the Isolation of Nanofibrillated Cellulosic Fiber from Oil Palm Empty Fruit Bunch as a Reinforcing Agent in Composites Materials. Polymers, 2014, 6, 2611-2624. | 2.0 | 126 |
| 28 | Green Composites Made of Bamboo Fabric and Poly (Lactic) Acid for Packaging Applicationsâ€”A Review. Materials, 2016, 9, 435. | 1.3 | 122 |
| 29 | A review of extractions of seaweed hydrocolloids: Properties and applications. EXPRESS Polymer Letters, 2018, 12, 296-317. | 1.1 | 122 |
| 30 | Conventional agro-composites from chemically modified fibres. Industrial Crops and Products, 2007, 26, 315-323. | 2.5 | 112 |
| 31 | Exploring biomass based carbon black as filler in epoxy composites: Flexural and thermal properties. Materials & Design, 2010, 31, 3419-3425. | 5.1 | 110 |
| 32 | ACETYLATED PLANT-FIBER-REINFORCED POLYESTER COMPOSITES: A STUDY OF MECHANICAL, HYGROTHERMAL, AND AGING CHARACTERISTICS. Polymer-Plastics Technology and Engineering, 2000, 39, 757-781. | 1.9 | 108 |
| 33 | A Jatropha biomass as renewable materials for biocomposites and its applications. Renewable and Sustainable Energy Reviews, 2013, 22, 667-685. | 8.2 | 107 |
| 34 | Development and material properties of new hybrid plywood from oil palm biomass. Materials & Design, 2010, 31, 417-424. | 5.1 | 106 |
| 35 | Exploiting microbial biomass in treating azo dyes contaminated wastewater: Mechanism of degradation and factors affecting microbial efficiency. Journal of Water Process Engineering, 2021, 43, 102255. | 2.6 | 105 |
| 36 | Hybrid Composites Made from Oil Palm Empty Fruit Bunches/Jute Fibres: Water Absorption, Thickness Swelling and Density Behaviours. Journal of Polymers and the Environment, 2011, 19, 106-109. | 2.4 | 103 |

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| 37 | Effect of acetylation and coupling agent treatments upon biological degradation of plant fibre reinforced polyester composites. Polymer Testing, 2000, 20, 65-75. | 2.3 | 98 |
| 38 | Biodegradable Films for Fruits and Vegetables Packaging Application: Preparation and Properties. Food Engineering Reviews, 2018, 10, 139-153. | 3.1 | 90 |
| 39 | Development and characterization of epoxy nanocomposites based on nano-structured oil palm ash. Composites Part B: Engineering, 2013, 53, 324-333. | 5.9 | 89 |
| 40 | Effect of Chemical Surface Modifications on the Properties of Woven Banana-Reinforced Unsaturated Polyester Composites. Journal of Reinforced Plastics and Composites, 2009, 28, 1519-1532. | 1.6 | 81 |
| 41 | Properties of Banana and Pandanus Woven Fabric Reinforced Unsaturated Polyester Composites. Journal of Composite Materials, 2008, 42, 931-941. | 1.2 | 79 |
| 42 | Natural fiber reinforced poly(vinyl chloride) composites: A review. Journal of Reinforced Plastics and Composites, 2013, 32, 330-356. | 1.6 | 78 |
| 43 | Evaluation of the thermomechanical properties and biodegradation of brown rice starch-based chitosan biodegradable composite films. International Journal of Biological Macromolecules, 2020, 156, 896-905. | 3.6 | 77 |
| 44 | Flat-pressed wood plastic composites from sawdust and recycled polyethylene terephthalate (PET): physical and mechanical properties. SpringerPlus, 2013, 2, 629. | 1.2 | 76 |
| 45 | Optimization of high pressure homogenization parameters for the isolation of cellulosic nanofibers using response surface methodology. Industrial Crops and Products, 2015, 74, 381-387. | 2.5 | 76 |
| 46 | The role of soil properties and itâ€™s interaction towards quality plant fiber: A review. Renewable and Sustainable Energy Reviews, 2015, 43, 1006-1015. | 8.2 | 73 |
| 47 | A review on mechanism and future perspectives of cadmium-resistant bacteria. International Journal of Environmental Science and Technology, 2018, 15, 243-262. | 1.8 | 73 |
| 48 | Activated Carbon from Various Agricultural Wastes by Chemical Activation with KOH: Preparation and Characterization. Journal of Biobased Materials and Bioenergy, 2013, 7, 708-714. | 0.1 | 71 |
| 49 | A Review on Revolutionary Natural Biopolymer-Based Aerogels for Antibacterial Delivery. Antibiotics, 2020, 9, 648. | 1.5 | 71 |
| 50 | A Review on Micro- to Nanocellulose Biopolymer Scaffold Forming for Tissue Engineering Applications. Polymers, 2020, 12, 2043. | 2.0 | 71 |
| 51 | Tensile, Flexural and Chemical Resistance Properties of Sisal Fibre Reinforced Polymer Composites: Effect of Fibre Surface Treatment. Journal of Polymers and the Environment, 2011, 19, 115-119. | 2.4 | 69 |
| 52 | The Effects of Unbleached and Bleached Nanocellulose on the Thermal and Flammability of Polypropylene-Reinforced Kenaf Core Hybrid Polymer Bionanocomposites. Polymers, 2021, 13, 116. | 2.0 | 69 |
| 53 | A current advancement on the role of lignin as sustainable reinforcement material in biopolymeric blends. Journal of Materials Research and Technology, 2021, 15, 2287-2316. | 2.6 | 68 |
| 54 | Exploring the effect of cellulose nanowhiskers isolated from oil palm biomass on polylactic acid properties. International Journal of Biological Macromolecules, 2016, 85, 370-378. | 3.6 | 63 |

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| 55 | Enhancement of basic properties of polysaccharideâ€based composites with organic and inorganic fillers: A review. Journal of Applied Polymer Science, 2019, 136, 47251. | 1.3 | 63 |
| 56 | The incorporation of oil palm ash in concrete as a means of recycling: A review. Cement and Concrete Composites, 2015, 55, 129-138. | 4.6 | 58 |
| 57 | Effect of jute fibre loading on the mechanical and thermal properties of oil palmâ€“epoxy composites. Journal of Composite Materials, 2013, 47, 1633-1641. | 1.2 | 57 |
| 58 | Cell Wall Morphology, Chemical and Thermal Analysis of Cultivated Pineapple Leaf Fibres for Industrial Applications. Journal of Polymers and the Environment, 2012, 20, 404-411. | 2.4 | 55 |
| 59 | Insights into the Role of Biopolymer Aerogel Scaffolds in Tissue Engineering and Regenerative Medicine. Polymers, 2021, 13, 1612. | 2.0 | 55 |
| 60 | Micro Crystalline Bamboo Cellulose Based Seaweed Biodegradable Composite Films for Sustainable Packaging Material. Journal of Polymers and the Environment, 2019, 27, 1602-1612. | 2.4 | 54 |
| 61 | Bioactive compounds and advanced processing technology: Phaleria macrocarpa (sheff.) Boerl, a review. Journal of Chemical Technology and Biotechnology, 2015, 90, 981-991. | 1.6 | 53 |
| 62 | Development of seaweed-based bamboo microcrystalline cellulose films intended for sustainable food packaging applications. BioResources, 2019, 14, 3389-3410. | 0.5 | 53 |
| 63 | Tensile properties prediction of natural fibre composites using rule of mixtures: A review. Journal of Reinforced Plastics and Composites, 2019, 38, 211-248. | 1.6 | 47 |
| 64 | Interfacial Compatibility Evaluation on the Fiber Treatment in the Typha Fiber Reinforced Epoxy Composites and Their Effect on the Chemical and Mechanical Properties. Polymers, 2018, 10, 1316. | 2.0 | 45 |
| 65 | Simultaneous dual syringe electrospinning system using benign solvent to fabricate nanofibrous P(3HB-co-4HB)/collagen peptides construct as potential leave-on wound dressing. Materials Science and Engineering C, 2016, 66, 147-155. | 3.8 | 44 |
| 66 | A Review on Quality Enhancement of Oil Palm Trunk Waste by Resin Impregnation: Future Materials. BioResources, 2013, 8, . | 0.5 | 43 |
| 67 | Preparation and Characterization of Microcrystalline Cellulose from Sacred Bali Bamboo as Reinforcing Filler in Seaweed-based Composite Film. Fibers and Polymers, 2018, 19, 423-434. | 1.1 | 43 |
| 68 | Isolation and Characterization of Cellulose Nanofibers fromGigantochloa scortechiniias a Reinforcement Material. Journal of Nanomaterials, 2016, 2016, 1-8. | 1.5 | 42 |
| 69 | Enhancement in the Physico-Mechanical Functions of Seaweed Biopolymer Film via Embedding Fillers for Plasticulture Applicationâ€”A Comparison with Conventional Biodegradable Mulch Film. Polymers, 2019, 11, 210. | 2.0 | 42 |
| 70 | Development and material properties of new hybrid medium density fibreboard from empty fruit bunch and rubberwood. Materials & Design, 2010, 31, 4229-4236. | 5.1 | 41 |
| 71 | Rational design of aromatic surfactants for graphene/natural rubber latex nanocomposites with enhanced electrical conductivity. Journal of Colloid and Interface Science, 2018, 516, 34-47. | 5.0 | 41 |
| 72 | Extraction of Cellulose Nanofibers via Eco-friendly Supercritical Carbon Dioxide Treatment Followed by Mild Acid Hydrolysis and the Fabrication of Cellulose Nanopapers. Polymers, 2019, 11, 1813. | 2.0 | 41 |

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| 73 | Carbon dioxide plasma treated PVDF electrospun membrane for the removal of crystal violet dyes and iron oxide nanoparticles from water. Nano Structures Nano Objects, 2019, 18, 100268. | 1.9 | 41 |
| 74 | Exploring isolated lignin material from oil palm biomass waste in green composites. Materials & Design, 2011, 32, 2604-2610. | 5.1 | 40 |
| 75 | Disposal Options of Bamboo Fabric-Reinforced Poly(Lactic) Acid Composites for Sustainable Packaging: Biodegradability and Recyclability. Polymers, 2015, 7, 1476-1496. | 2.0 | 40 |
| 76 | Polyester Composites Filled Carbon Black and Activated Carbon from Bamboo (Gigantochloa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 2007, 26, 305-320. | 1.6 | 38 |
| 77 | Effect of Oil Palm and Jute Fiber Treatment on Mechanical Performance of Epoxy Hybrid Composites. International Journal of Polymer Analysis and Characterization, 2014, 19, 62-69. | 0.9 | 38 |
| 78 | Effect of fibers treatment on dynamic mechanical and thermal properties of epoxy hybrid composites. Polymer Composites, 2015, 36, 1669-1674. | 2.3 | 38 |
| 79 | Microbial-induced CaCO3 filled seaweed-based film for green plasticulture application. Journal of Cleaner Production, 2018, 199, 150-163. | 4.6 | 38 |
| 80 | Robust Superhydrophobic Cellulose Nanofiber Aerogel for Multifunctional Environmental Applications. Polymers, 2019, 11, 495. | 2.0 | 37 |
| 81 | The effects of partial replacement of oil palm wood flour by silica and silane coupling agent on properties of natural rubber compounds. Polymer Testing, 2000, 20, 33-41. | 2.3 | 35 |
| 82 | Properties and Characterization of a PLAâ€“Chitinâ€“Starch Biodegradable Polymer Composite. Polymers, 2019, 11, 1656. | 2.0 | 35 |
| 83 | Flexible papers derived from polypyrrole deposited cellulose nanofibers for enhanced electromagnetic interference shielding in gigahertz frequencies. Journal of Applied Polymer Science, 2021, 138, 50262. | 1.3 | 35 |
| 84 | Isolation of Textile Waste Cellulose Nanofibrillated Fibre Reinforced in Polylactic Acid-Chitin Biodegradable Composite for Green Packaging Application. Polymers, 2021, 13, 325. | 2.0 | 35 |
| 85 | An Approach to Using Agricultural Waste Fibres in Biocomposites Application: Thermogravimetric Analysis and Activation Energy Study. BioResources, 2013, 9, . | 0.5 | 34 |
| 86 | Properties enhancement using oil palm shell nanoparticles of fibers reinforced polyester hybrid composites. Advanced Composite Materials, 2017, 26, 259-272. | 1.0 | 34 |
| 87 | THE EFFECT OF ANHYDRIDE MODIFICATION OF SAGO STARCH ON THE TENSILE AND WATER ABSORPTION PROPERTIES OF SAGO-FILLED LINEAR LOW-DENSITY POLYETHYLENE (LLDPE). Polymer-Plastics Technology and Engineering, 2001, 40, 249-263. | 1.9 | 33 |
| 88 | Optimization of bioresource material from oil palm trunk core drying using microwave radiation; a response surface methodology application. Bioresource Technology, 2010, 101, 8396-8401. | 4.8 | 33 |
| 89 | Preparation and Fundamental Characterization of Cellulose Nanocrystal from Oil Palm Fronds Biomass. Journal of Polymers and the Environment, 2017, 25, 692-700. | 2.4 | 33 |
| 90 | Recent trends and future prospects of nanostructured aerogels in water treatment applications. Journal of Water Process Engineering, 2022, 45, 102481. | 2.6 | 33 |

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| 91 | Preparation and Characterization of Nanocellulose/Chitosan Aerogel Scaffolds Using Chemical-Free Approach. Gels, 2021, 7, 246. | 2.1 | 33 |
| 92 | Dynamic Mechanical Properties of Activated Carbonâ€“Filled Epoxy Nanocomposites. International Journal of Polymer Analysis and Characterization, 2013, 18, 247-256. | 0.9 | 32 |
| 93 | Bionanocomposite based on cellulose nanowhisker from oil palm biomass-filled poly(lactic acid). Polymer Testing, 2015, 48, 133-139. | 2.3 | 32 |
| 94 | Recent Progress in Modification Strategies of Nanocellulose-Based Aerogels for Oil Absorption Application. Polymers, 2022, 14, 849. | 2.0 | 32 |
| 95 | The use of bamboo fibres as reinforcements in composites. , 2015, , 488-524. | | 31 |
| 96 | Curing and thermal properties of co-polymerized tannin phenolâ€“formaldehyde resin for bonding wood veneers. Journal of Materials Research and Technology, 2020, 9, 6994-7001. | 2.6 | 31 |
| 97 | Graphene oxide nanocomposites based room temperature gas sensors: A review. Chemosphere, 2021, 280, 130641. | 4.2 | 31 |
| 98 | Incorporation of coconut shell based nanoparticles in kenaf/coconut fibres reinforced vinyl ester composites. Materials Research Express, 2017, 4, 035020. | 0.8 | 30 |
| 99 | Hybrid composites of oil palm empty fruit bunches/woven jute fiber: chemical resistance, physical, and impact properties. Journal of Composite Materials, 2011, 45, 2515-2522. | 1.2 | 29 |
| 100 | Flame retardancy, Thermal and mechanical properties of Kenaf fiber reinforced Unsaturated polyester/Phenolic composite. Fibers and Polymers, 2016, 17, 902-909. | 1.1 | 29 |
| 101 | Enhanced performance of lightweight kenaf-based hierarchical composite laminates with embedded carbon nanotubes. Materials and Design, 2019, 171, 107710. | 3.3 | 29 |
| 102 | Characterization and Performance Evaluation of Cellulose Acetateâ€“Polyurethane Film for Lead II Ion Removal. Polymers, 2020, 12, 1317. | 2.0 | 29 |
| 103 | Tensile, Electrical Conductivity, and Morphological Properties of Carbon Blackâ€“Filled Epoxy Composites. International Journal of Polymer Analysis and Characterization, 2013, 18, 329-338. | 0.9 | 28 |
| 104 | The Role of Biopolymer-Based Materials in Obstetrics and Gynecology Applications: A Review. Polymers, 2021, 13, 633. | 2.0 | 28 |
| 105 | Cotton Wastes Functionalized Biomaterials from Micro to Nano: A Cleaner Approach for a Sustainable Environmental Application. Polymers, 2021, 13, 1006. | 2.0 | 28 |
| 106 | Microencapsulation of Fish Oil Using Hydroxypropyl Methylcellulose As a Carrier Material by Spray Drying. Journal of Food Processing and Preservation, 2016, 40, 140-153. | 0.9 | 27 |
| 107 | Sustainable Durio zibethinus-Derived Biosorbents for Congo Red Removal from Aqueous Solution: Statistical Optimization, Isotherms and Mechanism Studies. Sustainability, 2021, 13, 13264. | 1.6 | 27 |
| 108 | Recycled Polypropylene-Oil Palm Biomass: The Effect on Mechanical and Physical Properties. Journal of Reinforced Plastics and Composites, 2010, 29, 1117-1130. | 1.6 | 26 |

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| 109 | Biomacromolecule immobilization: grafting of fish-scale collagen peptides onto aminolyzed P(3HB-co-4HB) scaffolds as a potential wound dressing. Biomedical Materials (Bristol), 2016, 11, 055009. | 1.7 | 26 |
| 110 | Cellulose Reinforced Biodegradable Polymer Composite Film for Packaging Applications. , 2018, , 49-69. | | 26 |
| 111 | Improved Hydrophobicity of Macroalgae Biopolymer Film Incorporated with Kenaf Derived CNF Using Silane Coupling Agent. Molecules, 2021, 26, 2254. | 1.7 | 26 |
| 112 | Effect of weathering on physical, mechanical and morphological properties of chemically modified wood materials. Materials & Design, 2010, 31, 4363-4368. | 5.1 | 25 |
| 113 | Mechanical and thermal properties of chemical treated kenaf fibres reinforced polyester composites. Journal of Composite Materials, 2013, 47, 3343-3350. | 1.2 | 25 |
| 114 | Plasticizer Enhancement on the Miscibility and Thermomechanical Properties of Polylactic Acid-Chitin-Starch Composites. Polymers, 2020, 12, 115. | 2.0 | 25 |
| 115 | Enhancement of Oil Palm Waste Nanoparticles on the Properties and Characterization of Hybrid Plywood Biocomposites. Polymers, 2020, 12, 1007. | 2.0 | 25 |
| 116 | Oil Palm Empty Fruit Bunches (OPEFB) Reinforced in New Unsaturated Polyester Composites. Journal of Reinforced Plastics and Composites, 2008, 27, 1817-1826. | 1.6 | 24 |
| 117 | Empty Fruit Bunches as a Reinforcement in Laminated Bio-composites. Journal of Composite Materials, 2011, 45, 219-236. | 1.2 | 24 |
| 118 | Effect of Hydrolysis Treatment on Cellulose Nanowhiskers from Oil Palm (Elaeis guineesis) Fronds: Morphology, Chemical, Crystallinity, and Thermal Characteristics. BioResources, 2016, 11, . | 0.5 | 23 |
| 119 | Filler-Modified Castor Oil-Based Polyurethane Foam for the Removal of Aqueous Heavy Metals Detected Using Laser-Induced Breakdown Spectroscopy (LIBS) Technique. Polymers, 2020, 12, 903. | 2.0 | 23 |
| 120 | BI-LAYER HYBRID BIOCOMPOSITES: CHEMICAL RESISTANT AND PHYSICAL PROPERTIES. BioResources, 2012, 7, . | 0.5 | 22 |
| 121 | Nanocellulose-Based Membranes for Water Purification. , 2019, , 59-85. | | 22 |
| 122 | Extracted Compounds from Neem Leaves as Antimicrobial Agent on the Physico-Chemical Properties of Seaweed-Based Biopolymer Films. Polymers, 2020, 12, 1119. | 2.0 | 22 |
| 123 | Functional Properties and Molecular Degradation of Schizostachyum Brachycladum Bamboo Cellulose Nanofibre in PLA-Chitosan Bionanocomposites. Molecules, 2021, 26, 2008. | 1.7 | 22 |
| 124 | Exploring chemical analysis of vermicompost of various oil palm fibre wastes. The Environmentalist, 2010, 30, 273-278. | 0.7 | 21 |
| 125 | Impact Properties of Natural Fiber Hybrid Reinforced Epoxy Composites. Advanced Materials Research, 2011, 264-265, 688-693. | 0.3 | 21 |
| 126 | Nonwood-Based Composites. Current Forestry Reports, 2015, 1, 221-238. | 3.4 | 21 |

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| 127 | Microstructural Study, Tensile Properties, and Scanning Electron Microscopy Fractography Failure Analysis of Various Agricultural Residue Fibers. Journal of Natural Fibers, 2015, 12, 154-168. | 1.7 | 21 |
| 128 | EVALUATION OF ANTITERMITIC ACTIVITY OF DIFFERENT EXTRACTS OBTAINED FROM INDONESIAN TEAKWOOD (Tectona grandis L.f). BioResources, 2012, 7, . | 0.5 | 20 |
| 129 | Effect of Chemical Modifications of Fibers on Tensile Properties of Epoxy Hybrid Composites. International Journal of Polymer Analysis and Characterization, 2014, 19, 391-403. | 0.9 | 20 |
| 130 | Cellulosic Nanocomposites from Natural Fibers for Medical Applications: A Review. , 2015, , 475-511. | | 20 |
| 131 | Oil Palm Shell Nanofiller in Seaweed-based Composite Film: Mechanical, Physical, and Morphological Properties. BioResources, 2017, 12, . | 0.5 | 20 |
| 132 | Incorporation of Electrochemically Exfoliated Graphene Oxide and TiO2 into Polyvinylidene Fluoride-Based Nanofiltration Membrane for Dye Rejection. Water, Air, and Soil Pollution, 2019, 230, 1. | 1.1 | 20 |
| 133 | The Role of Bamboo Nanoparticles in Kenaf Fiber Reinforced Unsaturated Polyester Composites. Journal of Renewable Materials, 2018, 6, 75-86. | 1.1 | 19 |
| 134 | Extracted supercritical CO2 cinnamon oil functional properties enhancement in cellulose nanofibre reinforced Euchema cottoni biopolymer films. Journal of Materials Research and Technology, 2021, 15, 4293-4308. | 2.6 | 19 |
| 135 | Extraction and Isolation of Cellulose Nanofibers from Carpet Wastes Using Supercritical Carbon Dioxide Approach. Polymers, 2022, 14, 326. | 2.0 | 19 |
| 136 | Agro-wastes: Mechanical and physical properties of resin impregnated oil palm trunk core lumber. Polymer Composites, 2009, 31, NA-NA. | 2.3 | 18 |
| 137 | Properties of Macroalgae Biopolymer Films Reinforcement with Polysaccharide Microfibre. Polymers, 2020, 12, 2554. | 2.0 | 18 |
| 138 | An experimental and finite element analysis of the static deformation of natural fiber-reinforced composite beam. Polymer Testing, 2003, 22, 169-177. | 2.3 | 17 |
| 139 | The Effect of Storage Time and Humidity on Mechanical and Physical Properties of Medium Density Fiberboard (MDF) from Oil Palm Empty Fruit Bunch and Rubberwood. Polymer-Plastics Technology and Engineering, 2008, 47, 1046-1053. | 1.9 | 17 |
| 140 | Exploring Material Properties of Vinyl Ester Biocomposites Filled Carbonized Jatropha Seed Shell. BioResources, 2014, 9, . | 0.5 | 17 |
| 141 | Waterless sterilization of oil palm fruitlets using supercritical carbon dioxide. Journal of Supercritical Fluids, 2017, 126, 65-71. | 1.6 | 17 |
| 142 | Reduced graphene oxide/platinum hybrid counter electrode assisted by custom-made triple-tail surfactant and zinc oxide/titanium dioxide bilayer nanocomposite photoanode for enhancement of DSSCs photovoltaic performance. Optik, 2018, 161, 70-83. | 1.4 | 17 |
| 143 | Reduced graphene oxide-multiwalled carbon nanotubes hybrid film with low Pt loading as counter electrode for improved photovoltaic performance of dye-sensitised solar cells. Journal of Materials Science: Materials in Electronics, 2018, 29, 10723-10743. | 1.1 | 17 |
| 144 | Treatment of Palm Oil Refinery Effluent Using Tannin as a Polymeric Coagulant: Isotherm, Kinetics, and Thermodynamics Analyses. Polymers, 2020, 12, 2353. | 2.0 | 17 |

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| 145 | Properties and Characterization of Lignin Nanoparticles Functionalized in Macroalgae Biopolymer Films. Nanomaterials, 2021, 11, 637. | 1.9 | 17 |
| 146 | Development of green MMT-modified hemicelluloses based nanocomposite film with enhanced functional and barrier properties. BioResources, 2019, 14, 8029-8047. | 0.5 | 17 |
| 147 | Investigation of Rheological Behavior of Low Pressure Injection Molded Stainless Steel Feedstocks. Advances in Materials Science and Engineering, 2016, 2016, 1-9. | 1.0 | 16 |
| 148 | Evaluation of Interfacial Fracture Toughness and Interfacial Shear Strength of Typha Spp. Fiber/Polymer Composite by Double Shear Test Method. Materials, 2019, 12, 2225. | 1.3 | 16 |
| 149 | Functional Properties of Antimicrobial Neem Leaves Extract Based Macroalgae Biofilms for Potential Use as Active Dry Packaging Applications. Polymers, 2021, 13, 1664. | 2.0 | 16 |
| 150 | Effect of empty fruit bunches microcrystalline cellulose (MCC) on the thermal, mechanical and morphological properties of biodegradable poly (lactic acid) (PLA) and polybutylene adipate terephthalate (PBAT) composites. Materials Research Express, 2020, 7, 015336. | 0.8 | 16 |
| 151 | New Approach to Oil Palm Trunk Core Lumber Material Properties Enhancement via Resin Impregnation. Journal of Biobased Materials and Bioenergy, 2012, 6, 299-308. | 0.1 | 16 |
| 152 | Chemical Modification of Wood with Maleic Anhydride and Subsequent Copolymerization with Diallyl Phthalate. Journal of Wood Chemistry and Technology, 1997, 17, 419-433. | 0.9 | 15 |
| 153 | Adhesion Properties of Adhesive Prepared from Waste Polystyrene. Journal of Polymers and the Environment, 2009, 17, 165-169. | 2.4 | 15 |
| 154 | Development and Material Properties of Chitosan and Phosphomolybdic Acid-based Composites. Journal of Composite Materials, 2011, 45, 39-49. | 1.2 | 15 |
| 155 | Development and characterization of bamboo fiber reinforced biopolymer films. Materials Research Express, 2018, 5, 085309. | 0.8 | 15 |
| 156 | Preparation of Palm Oil Ash Nanoparticles: Taguchi Optimization Method by Particle Size Distribution and Morphological Studies. Applied Sciences (Switzerland), 2020, 10, 985. | 1.3 | 15 |
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