# Muhammad Khusairy Bin Bakri

List of Publications by Year
in descending order

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| 110 | 951 | 567281 | 526287 |
|---|---|---|---|
| papers | citations | 15 h-index | 27 g-index |

| 119 | 119 | 119 | 670 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A review on the extraction of cellulose and nanocellulose as a filler through solid waste management. Journal of Thermoplastic Composite Materials, 2023, 36, 1306-1327. | 4.2 | 9 |
| 2 | A review on poly lactic acid (PLA) as a biodegradable polymer. Polymer Bulletin, 2023, 80, 1179-1213. | 3.3 | 135 |
| 3 | Optimization and characterization of acrylonitrile/MAPE/nano-clay bamboo nanocomposites by response surface methodology. Polymer Bulletin, 2022, 79, 3031-3059. | 3.3 | 9 |
| 4 | Applications of cellulose materials and their composites. , 2022, , 267-284. | | 1 |
| 5 | Recycled plastic and textile waste biocomposites. , 2022, , 97-118. | | 0 |
| 6 | Recycled industrial plasticsâ€™ fine waste incorporated into biocomposites. , 2022, , 213-228. | | 0 |
| 7 | Cellulose reinforcement in thermoplastic composites. , 2022, , 103-126. | | 1 |
| 8 | Utilization of nanocellulose as reinforcement in biodegradable biomaterials. , 2022, , 243-266. | | 0 |
| 9 | Extraction, types, and classification of cellulose. , 2022, , 19-40. | | 0 |
| 10 | Cellulose reinforcement in thermoset composites. , 2022, , 127-142. | | 3 |
| 11 | Micro and nano effects of recycled plastic waste to reinforce and enhance in biocomposites. , 2022, , 195-211. | | 0 |
| 12 | Development of pulp and paper waste-recycled plastic biocomposites. , 2022, , 51-79. | | 0 |
| 13 | Introduction to recycled plastic biocomposites. , 2022, , 1-27. | | 2 |
| 14 | Recycled rubber waste plastic and its composites. , 2022, , 147-163. | | 2 |
| 15 | Recycled polymer and plastic waste and its biocomposites. , 2022, , 81-96. | | 2 |
| 16 | Marine-based reinforcing materials for biocomposites. , 2022, , 229-245. | | 0 |
| 17 | Cellulose-reinforced rubber composites. , 2022, , 175-188. | | 0 |
| 18 | Cellulose reinforcement in bioplastic composites. , 2022, , 143-158. | | 0 |

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| 19 | Sources of cellulose. , 2022, , 1-18. | | 4 |
| 20 | Cellulose interunit linkages and model compounds. , 2022, , 41-52. | | 0 |
| 21 | Food residue to reinforce recycled plastic biocomposites. , 2022, , 29-49. | | 0 |
| 22 | Cellulose-based composite carbon nanofibers. , 2022, , 159-174. | | 0 |
| 23 | Effect of Chemical Treatment on Silicon Manganese: Its Morphological, Elemental and Spectral Properties and Its Usage in Concrete. Silicon, 2022, 14, 8081-8096. | 3.3 | 2 |
| 24 | Impact of recycled plastic biocomposites on the economy and socioenvironment. , 2022, , 247-259. | | 0 |
| 25 | Resources and energy recovery with recycled plastic biocomposites. , 2022, , 261-280. | | 0 |
| 26 | Education and awareness of waste and recycled plastic biocomposites. , 2022, , 281-297. | | 0 |
| 27 | Glass Waste as Fine Aggregate Filler Replacement in Concrete Addition of Superplasticizer. Engineering Materials, 2022, , 45-61. | 0.6 | 0 |
| 28 | Uncrushed Cockleshell as Coarse Aggregate Filler Replacement in Concrete. Engineering Materials, 2022, , 63-80. | 0.6 | 0 |
| 29 | Characterization and optimization of organoclay- poly(melamine-co-formaldehyde)-methylated solution impregnated pulai (Alstonia spp.) wood using response surface methodology. BioResources, 2022, 17, 2780-2809. | 1.0 | 0 |
| 30 | Characterization and comparative study on chemically treated luffa fiber as reinforcement for polylactic acid bio-composites. BioResources, 2022, 17, 2576-2597. | 1.0 | 3 |
| 31 | Application of synthetic acyl glucopyranosides for white-rot and brown-rot fungal decay resistance in aspen and pine wood. BioResources, 2022, 17, 3025-3041. | 1.0 | 5 |
| 32 | Electrical properties in reinforced polymer composites. , 2021, , 131-140. | | 0 |
| 33 | Applications of sustainable polymer composites in automobile and aerospace industry. , 2021, , 185-207. | | 52 |
| 34 | Importance of sustainable polymers for modern society and development. , 2021, , 1-35. | | 2 |
| 35 | Nano-reinforcement in sustainable polymer composites. , 2021, , 231-243. | | 0 |
| 36 | Life cycle assessment of sustainable composites. , 2021, , 245-265. | | 0 |

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| 37 | Recycling of sustainable polymers and composites. , 2021, , 267-282. | | 8 |
| 38 | Use of sustainable polymers to make green composites. , 2021, , 109-129. | | 5 |
| 39 | Characterization and optimization of mechanical properties of bamboo/nanoclay/polyvinyl alcohol/styrene nanocomposites using response surface methodology. Journal of Vinyl and Additive Technology, 2021, 27, 147-160. | 3.4 | 8 |
| 40 | Bamboo Cellulose Gel/MMT Polymer Nanocomposites for High Strength Materials. Engineering Materials, 2021, , 131-157. | 0.6 | 1 |
| 41 | Bamboo Nanocomposites Future Development and Applications. Engineering Materials, 2021, , 183-191. | 0.6 | 1 |
| 42 | Introduction of Various Types of Bamboo Species and Its Nanocomposites Preparation. Engineering Materials, 2021, , 1-19. | 0.6 | 0 |
| 43 | Acrylation and Acrylonitrile Grafting with MMT Bamboo Nanocomposite. Engineering Materials, 2021, , 39-61. | 0.6 | 2 |
| 44 | Impact of Poly (Ethylene-Alt-Maleic Anhydride) and Nanoclay on the Physicochemical, Mechanical, and Thermal Properties of Bamboo Nanocomposite. Engineering Materials, 2021, , 21-37. | 0.6 | 1 |
| 45 | Bamboo and Wood Fibers/MMT Hybrid Nanocomposites. Engineering Materials, 2021, , 107-130. | 0.6 | 0 |
| 46 | Polylactic Acid Activated Bamboo Carbon Nanocomposites. Engineering Materials, 2021, , 63-82. | 0.6 | 0 |
| 47 | Bamboo Nanocellulose Reinforced Polylactic Acid Nanocomposites. Engineering Materials, 2021, , 159-181. | 0.6 | 0 |
| 48 | Investigation onÂthe Brittle and Ductile Behavior of Bamboo Nano Fiber Reinforced Polypropylene Nanocomposites. Engineering Materials, 2021, , 83-105. | 0.6 | 0 |
| 49 | Educational and Awareness of Bamboo Nanocomposites Towards Sustainable Environment. Engineering Materials, 2021, , 193-205. | 0.6 | 0 |
| 50 | Characterization study of flax/strontium titanate/polypropylene composite for lowâ€k dielectric applications. Journal of Applied Polymer Science, 2021, 138, 50577. | 2.6 | 3 |
| 51 | Morphological and thermal properties of composites prepared with poly(lactic acid), poly(ethylene-alt-maleic anhydride), and biochar from microwave-pyrolyzed jatropha seeds. BioResources, 2021, 16, 3171-3185. | 1.0 | 14 |
| 52 | A Review Based on Low- and High-Stream Global Carbon Capture and Storage (CCS) Technology and Implementation Strategy. Journal of Applied Science & Process Engineering, 2021, 8, 722-737. | 0.1 | 4 |
| 53 | Small-size jatropha seed biochar extracted from microwave pyrolysis: Optimization of its biocomposites mechanical properties by mixture design. BioResources, 2021, 16, 4716-4730. | 1.0 | 3 |
| 54 | Analysis of char prepared by pyrolysis of dabai (Canarium odontophyllum) nutshells as a potential precursor of biocarbon used for wastewater treatment. BioResources, 2021, 16, 5036-5046. | 1.0 | 3 |

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| 55 | Interfacial polarization effects on dielectric properties in flax reinforced polypropylene/strontium titanate composites. Materials Chemistry and Physics, 2021, 265, 124489. | 4.0 | 11 |
| 56 | Characterization and impact of curing duration on the compressive strength of coconut shell coarse aggregate in concrete. BioResources, 2021, 16, 6057-6073. | 1.0 | 5 |
| 57 | STAGE-STORAGE AND FLOOD RISK ASSESSMENTS OF UPGRADED BATU KITANG SUBMERSIBLE WEIR. Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University, 2021, 56, 203-212. | 0.2 | 0 |
| 58 | Comparative study of Fourier transform infrared spectroscopy (FTIR) analysis of natural fibres treated with chemical, physical and biological methods. Polymer Bulletin, 2020, 77, 1605-1629. | 3.3 | 26 |
| 59 | The effect of palm oil fuel ash (POFA) and polyvinyl alcohol (PVA) on the physico-mechanical, thermal and morphological properties of hybrid bio-composites. Polymer Bulletin, 2020, 77, 3523-3535. | 3.3 | 7 |
| 60 | The curing times effect on the strength of ground granulated blast furnace slag (GGBFS) mortar. Construction and Building Materials, 2020, 260, 120622. | 7.2 | 31 |
| 61 | Effect of biomass ash mixture composite on sound absorption. Materials Today: Proceedings, 2020, 29, 223-227. | 1.8 | 1 |
| 62 | Impact of polyvinyl alcohol/acrylonitrile on bamboo nanocomposite and optimization of mechanical performance by response surface methodology. Construction and Building Materials, 2020, 258, 119693. | 7.2 | 14 |
| 63 | Comparative study of fly ash/sugarcane fiber reinforced polymer composites properties. BioResources, 2020, 15, 5514-5531. | 1.0 | 11 |
| 64 | Dielectric properties of natural Borneo woods: Keranji, Kayu Malam, and Kumpang. BioResources, 2020, 15, 7815-7827. | 1.0 | 3 |
| 65 | Synthesis and characterization of micro-nano carbon filler from Jatropha seeds. BioResources, 2020, 15, 3237-3251. | 1.0 | 8 |
| 66 | Tert-butyl catechol/alkaline-treated kenaf/jute polyethylene hybrid composites: impact on physico-mechanical, thermal and morphological properties. Polymer Bulletin, 2019, 76, 763-784. | 3.3 | 19 |
| 67 | Cellulose fiber-reinforced thermosetting composites: impact of cyanoethyl modification on mechanical, thermal and morphological properties. Polymer Bulletin, 2019, 76, 4295-4311. | 3.3 | 15 |
| 68 | Introduction of Various Types of Acacia Wood. Engineering Materials, 2019, , 1-21. | 0.6 | 2 |
| 69 | Infrared Spectral Functional Group and Thermal Properties of Acacia Wood Bio-composites. Engineering Materials, 2019, , 135-151. | 0.6 | 1 |
| 70 | Tensile, Flexural and Impact Strength of Acacia Wood Bio-composites. Engineering Materials, 2019, , 103-119. | 0.6 | 0 |
| 71 | Effect of Nano-enhancement on Acacia Wood Bio-composites. Engineering Materials, 2019, , 187-205. | 0.6 | 0 |
| 72 | Environmental Impact Analysis of Wood and Natural Fiber Bio-Composites. Engineering Materials, 2019, , 153-170. | 0.6 | 0 |

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| 73 | Study of Surface Behavior of Acacia Wood Bio-composites by Morphological Analysis. Engineering Materials, 2019, , 121-134. | 0.6 | 0 |
| 74 | Potential of Borneo Acacia wood in fully biodegradable bio-compositesâ€™ commercial production and application. Polymer Bulletin, 2018, 75, 5333-5354. | 3.3 | 18 |
| 75 | Short Review: Potential Production of Acacia Wood and its Biocomposites. Materials Science Forum, 2018, 917, 37-41. | 0.3 | 4 |
| 76 | Lignocellulosic Fibres Reinforced Polymer Composites for Acoustical Applications. Springer Series on Polymer and Composite Materials, 2018, , 415-444. | 0.7 | 2 |
| 77 | Comparative analysis on dielectric properties of polymer composites reinforced with synthetic and natural fibers. Journal of Vinyl and Additive Technology, 2018, 24, E201. | 3.4 | 12 |
| 78 | Study of dielectric properties of luffaâ€“polylactide quadratic splint composites: The effect of cyclic absorption and desorption of water. Journal of Vinyl and Additive Technology, 2018, 24, 388-394. | 3.4 | 8 |
| 79 | Biomedical and packaging application of silica and various clay dispersed nanocomposites. , 2018, , 109-136. | | 1 |
| 80 | Durability and sustainability of the silica and clay and its nanocomposites. , 2018, , 137-157. | | 2 |
| 81 | Improvement of epoxy nanocomposites on physical, morphology, and mechanical properties as well as fracture behavior with the addition of mesoporous silica/nano-silica. , 2018, , 259-280. | | 1 |
| 82 | Comparative Study of Compressive Strength of Epoxy Based Bio-Composites. Key Engineering Materials, 2018, 775, 68-73. | 0.4 | 2 |
| 83 | Biocomposite Materials and Its Applications in Acoustical Comfort and Noise Control. Green Energy and Technology, 2017, , 247-259. | 0.6 | 5 |
| 84 | Processing and Characterization of Banana Fiber/Epoxy Composites: Effect of Alkaline Treatment. Materials Today: Proceedings, 2017, 4, 2871-2878. | 1.8 | 40 |
| 85 | Comparative Study of Sound Absorption Coefficients of Coir/Kenaf/Sugarcane Bagasse Fiber Reinforced Epoxy Composites. Key Engineering Materials, 2017, 730, 48-53. | 0.4 | 6 |
| 86 | Application of Analytic Hierarchy Process (AHP) in the analysis of the fuel efficiency in the automobile industry with the utilization of Natural Fiber Polymer Composites (NFPC). IOP Conference Series: Materials Science and Engineering, 2017, 191, 012004. | 0.6 | 5 |
| 87 | An Experimental and Simulation Studies on Sound Absorption Coefficients of Banana Fibers and their Reinforced Composites. Nano Hybrids and Composites, 2016, 12, 9-20. | 0.8 | 17 |
| 88 | Acoustical, thermal, and morphological properties of zein reinforced oil palm empty fruit bunch fiber bioâ€composites. Journal of Applied Polymer Science, 2016, 133, . | 2.6 | 18 |
| 89 | Analysis of natural fiber polymer composites: Effects of alkaline treatment on sound absorption. Journal of Reinforced Plastics and Composites, 2016, 35, 703-711. | 3.1 | 31 |
| 90 | INVESTIGATION ON DIELECTRIC AND SOUND ABSORPTION PROPERTIES OF BANANA FIBERS REINFORCED EPOXY COMPOSITES. Jurnal Teknologi (Sciences and Engineering), 2016, 78, . | 0.4 | 10 |

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| 91 | Effect of Developing Analytic/Task Specific Rubric for an Enhanced Student Learning in Manufacturing Subjects. , 2016, , . | | 0 |
| 92 | An investigation of sound absorption coefficient on sisal fiber poly lactic acid bioâ€composites. Journal of Applied Polymer Science, 2015, 132, . | 2.6 | 18 |
| 93 | Study of Sound Absorption Coefficients and Characterization of Rice Straw Stem Fibers Reinforced Polypropylene Composites. BioResources, 2015, 10, . | 1.0 | 33 |
| 94 | Dielectric Properties of Lignocellulosic Fibers Reinforced Polymer Composites: Effect of Fiber Loading and Alkaline Treatment. Materials Today: Proceedings, 2015, 2, 2757-2766. | 1.8 | 30 |
| 95 | Reinforced Oil Palm Fiber Epoxy Composites: An Investigation on Chemical Treatment of Fibers on Acoustical, Morphological, Mechanical and Spectral Properties. Materials Today: Proceedings, 2015, 2, 2747-2756. | 1.8 | 15 |
| 96 | Processing and Characterization of Epoxy/Luffa Composites: Investigation on Chemical Treatment of Fibers on Mechanical and Acoustical Properties. BioResources, 2014, 9, . | 1.0 | 22 |
| 97 | Investigation of Fiber Surface Treatment on Mechanical, Acoustical and Thermal Properties of Betelnut Fiber Polyester Composites. Procedia Engineering, 2014, 97, 545-554. | 1.2 | 75 |
| 98 | Comparative Study of Dielectric Properties of Hybrid Natural Fiber Composites. Procedia Engineering, 2014, 97, 536-544. | 1.2 | 105 |
| 99 | Preliminary Study on the Acoustical, Dielectric and Mechanical Properties of Sugarcane Bagasse Reinforced Unsaturated Polyester Composites. Materials Science Forum, 0, 890, 12-15. | 0.3 | 2 |
| 100 | Dielectric Properties of Pineapple Leaf Fiber Reinforced Epoxy Based Composites. Key Engineering Materials, 0, 730, 42-47. | 0.4 | 6 |
| 101 | Heat Treated Luffa - PLA Composites: Effect of Cyclic Moisture Absorption and Desorption on the Mechanical Properties. Materials Science Forum, 0, 917, 42-46. | 0.3 | 1 |
| 102 | Potential in the Development of Borneo Acacia Wood Reinforced Polyhydroxyalkanoates Bio-Composites. Key Engineering Materials, 0, 779, 19-24. | 0.4 | 3 |
| 103 | Mechanical Properties of Chicken Feather Reinforced Unsaturated Polyester Composites. Key Engineering Materials, 0, 775, 3-6. | 0.4 | 4 |
| 104 | Short Review on Conductive Polymer Composites as Functional Materials. Key Engineering Materials, 0, 796, 17-21. | 0.4 | 4 |
| 105 | Performance of Coconut Biodiesel Fueled Diesel Engine with Exhaust Gas Emission Analysis. Materials Science Forum, 0, 1030, 149-158. | 0.3 | 0 |
| 106 | Towards the Development of Value-Added Nanocomposites. , 0, , . | | 0 |
| 107 | Current and Past: Nanocellulose and Nanocomposites and Its Future Applications. , 0, , . | | 0 |
| 108 | Environmental Sustainability of Biopolymers. , 0, , . | | 1 |

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| 109 | Elimination of Heavy Metal Ion using Nanocellulose Based Membranes. , 0, , . | | 1 |
| 110 | Bamboo and Its Bio-composites. , 0, , . | | 1 |