

Mohd Nor Faiz Norrrahim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Review on Natural Fiber Reinforced Polymer Composite for Bullet Proof and Ballistic Applications. <i>Polymers</i> , 2021, 13, 646.	2.0	213
2	Poly(lactic Acid (PLA) Biocomposite: Processing, Additive Manufacturing and Advanced Applications. <i>Polymers</i> , 2021, 13, 1326.	2.0	208
3	Sugar palm (<i>Arenga pinnata</i> (Wurmb.) Merr) cellulosic fibre hierarchy: a comprehensive approach from macro to nano scale. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2753-2766.	2.6	195
4	Fabrication, Functionalization, and Application of Carbon Nanotube-Reinforced Polymer Composite: An Overview. <i>Polymers</i> , 2021, 13, 1047.	2.0	195
5	A Review on Mechanical Performance of Hybrid Natural Fiber Polymer Composites for Structural Applications. <i>Polymers</i> , 2021, 13, 2170.	2.0	143
6	Thermogravimetric Analysis Properties of Cellulosic Natural Fiber Polymer Composites: A Review on Influence of Chemical Treatments. <i>Polymers</i> , 2021, 13, 2710.	2.0	143
7	Effect of hydrolysis time on the morphological, physical, chemical, and thermal behavior of sugar palm nanocrystalline cellulose (<i>Arenga pinnata</i> (Wurmb.) Merr). <i>Textile Research Journal</i> , 2021, 91, 152-167.	1.1	127
8	Natural Fiber-Reinforced Polycaprolactone Green and Hybrid Biocomposites for Various Advanced Applications. <i>Polymers</i> , 2022, 14, 182.	2.0	121
9	Polymer Composites Filled with Metal Derivatives: A Review of Flame Retardants. <i>Polymers</i> , 2021, 13, 1701.	2.0	101
10	Mechanical Performance and Applications of CNTs Reinforced Polymer Composites—A Review. <i>Nanomaterials</i> , 2021, 11, 2186.	1.9	101
11	Mechanical properties of oil palm fibre-reinforced polymer composites: a review. <i>Journal of Materials Research and Technology</i> , 2022, 17, 33-65.	2.6	92
12	Hydrothermal and wet disk milling pretreatment for high conversion of biosugars from oil palm mesocarp fiber. <i>Bioresource Technology</i> , 2015, 181, 263-269.	4.8	74
13	Emerging development of nanocellulose as an antimicrobial material: an overview. <i>Materials Advances</i> , 2021, 2, 3538-3551.	2.6	72
14	Nanocellulose: the next super versatile material for the military. <i>Materials Advances</i> , 2021, 2, 1485-1506.	2.6	68
15	Nanocellulose: a bioadsorbent for chemical contaminant remediation. <i>RSC Advances</i> , 2021, 11, 7347-7368.	1.7	66
16	Sustainable one-pot process for the production of cellulose nanofiber and polyethylene / cellulose nanofiber composites. <i>Journal of Cleaner Production</i> , 2019, 207, 590-599.	4.6	63
17	Hybridization of MMT/Lignocellulosic Fiber Reinforced Polymer Nanocomposites for Structural Applications: A Review. <i>Coatings</i> , 2021, 11, 1355.	1.2	60
18	Treatments of natural fiber as reinforcement in polymer composites—a short review. <i>Functional Composites and Structures</i> , 2021, 3, 024002.	1.6	55

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19	Effect of oil palm biomass cellulosic content on nanopore structure and adsorption capacity of biochar. <i>Bioresource Technology</i> , 2021, 332, 125070.	4.8	55
20	Recent advances of thermal properties of sugar palm lignocellulosic fibre reinforced polymer composites. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1587-1599.	3.6	53
21	Well-Dispersed Cellulose Nanofiber in Low Density Polyethylene Nanocomposite by Liquid-Assisted Extrusion. <i>Polymers</i> , 2020, 12, 927.	2.0	51
22	Performance evaluation and chemical recyclability of a polyethylene/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) blend for sustainable packaging. <i>RSC Advances</i> , 2013, 3, 24378.	1.7	50
23	Superheated steam pretreatment of cellulose affects its electrospinnability for microfibrillated cellulose production. <i>Cellulose</i> , 2018, 25, 3853-3859.	2.4	40
24	Performance evaluation of cellulose nanofiber reinforced polymer composites. <i>Functional Composites and Structures</i> , 2021, 3, 024001.	1.6	39
25	Greener Pretreatment Approaches for the Valorisation of Natural Fibre Biomass into Bioproducts. <i>Polymers</i> , 2021, 13, 2971.	2.0	39
26	Performance Evaluation of Cellulose Nanofiber with Residual Hemicellulose as a Nanofiller in Polypropylene-Based Nanocomposite. <i>Polymers</i> , 2021, 13, 1064.	2.0	36
27	Filament-wound glass-fibre reinforced polymer composites: Potential applications for cross arm structure in transmission towers. <i>Polymer Bulletin</i> , 2023, 80, 1059-1084.	1.7	33
28	One-pot nanofibrillation of cellulose and nanocomposite production in a twin-screw extruder. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 368, 012034.	0.3	31
29	Utilisation of superheated steam in oil palm biomass pretreatment process for reduced chemical use and enhanced cellulose nanofibre production. <i>International Journal of Nanotechnology</i> , 2019, 16, 668.	0.1	31
30	Advancement in fiber reinforced polymer, metal alloys and multi-layered armour systems for ballistic applications – A review. <i>Journal of Materials Research and Technology</i> , 2021, 15, 1300-1317.	2.6	30
31	Chemical Pretreatment of Lignocellulosic Biomass for the Production of Bioproducts: An Overview. <i>Applied Science and Engineering Progress</i> , 2021, , .	0.5	24
32	Emerging Developments Regarding Nanocellulose-Based Membrane Filtration Material against Microbes. <i>Polymers</i> , 2021, 13, 3249.	2.0	24
33	Sugar Palm Fibre-Reinforced Polymer Composites: Influence of Chemical Treatments on Its Mechanical Properties. <i>Materials</i> , 2022, 15, 3852.	1.3	24
34	Nanocellulose/Starch Biopolymer Nanocomposites: Processing, Manufacturing, and Applications. , 2020, , 65-88.		23
35	Potential of Flax Fiber Reinforced Biopolymer Composites for Cross-Arm Application in Transmission Tower: A Review. <i>Fibers and Polymers</i> , 2022, 23, 853-877.	1.1	23
36	Mechanical performance evaluation of bamboo fibre reinforced polymer composites and its applications: a review. <i>Functional Composites and Structures</i> , 2022, 4, 015009.	1.6	22

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37	Emerging Developments on Nanocellulose as Liquid Crystals: A Biomimetic Approach. <i>Polymers</i> , 2022, 14, 1546.	2.0	22
38	Recent developments on oximes to improve the blood brain barrier penetration for the treatment of organophosphorus poisoning: a review. <i>RSC Advances</i> , 2020, 10, 4465-4489.	1.7	21
39	Effect of silane treatments on mechanical performance of kenaf fibre reinforced polymer composites: a review. <i>Functional Composites and Structures</i> , 2021, 3, 045003.	1.6	20
40	Properties and Characterization of PLA, PHA, and Other Types of Biopolymer Composites. , 2020, , 111-138.		19
41	Oil Palm Biomass Cellulose-Fabricated Polylactic Acid Composites for Packaging Applications. , 2018, , 95-105.		17
42	Production, Processes and Modification of Nanocrystalline Cellulose from Agro-Waste: A Review. , 0, , .		17
43	Oxygen permeability properties of nanocellulose reinforced biopolymer nanocomposites. <i>Materials Today: Proceedings</i> , 2022, 52, 2414-2419.	0.9	16
44	Factors Affecting Spinnability of Oil Palm Mesocarp Fiber Cellulose Solution for the Production of Microfiber. <i>BioResources</i> , 2016, 12, .	0.5	12
45	Improving the decolorization of glycerol by adsorption using activated carbon derived from oil palm biomass. <i>Environmental Science and Pollution Research</i> , 2021, 28, 27976-27987.	2.7	12
46	Fabrication of a Nickel Ferrite/Nanocellulose-Based Nanocomposite as an Active Sensing Material for the Detection of Chlorine Gas. <i>Polymers</i> , 2022, 14, 1906.	2.0	11
47	Performance evaluation of cellulose nanofiber reinforced polypropylene biocomposites for automotive applications. , 2021, , 199-215.		10
48	Macro to nanoscale natural fiber composites for automotive components: Research, development, and application. , 2021, , 51-105.		10
49	Cationic Nanocellulose as Promising Candidate for Filtration Material of COVID-19: A Perspective. <i>Applied Science and Engineering Progress</i> , 2021, , .	0.5	10
50	Emerging technologies for value-added use of oil palm biomass. <i>Environmental Science Advances</i> , 2022, 1, 259-275.	1.0	10
51	Cellulose Nanofiber as Potential Absorbent Material for Chloride Ion. <i>Solid State Phenomena</i> , 0, 317, 263-269.	0.3	9
52	Nanocellulose nanocomposites in textiles. , 2022, , 397-408.		5
53	Nanocellulose-Based Filters as Novel Barrier Systems for Chemical Warfare Agents. <i>Solid State Phenomena</i> , 0, 317, 180-186.	0.3	4
54	Nanocellulose composites in the automotive industry. , 2022, , 439-467.		4

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55	Nanocellulose in sensors. , 2022, , 213-243.		4
56	Evaluation and Optimization of a New Approach on Phenol Extraction from Real Water. Sains Malaysiana, 2020, 49, 2477-2486.	0.3	2
57	Introduction to nanocellulose production from biological waste. , 2022, , 1-37.		2
58	Nanocellulose as an adsorbent for heavy metals. , 2022, , 197-211.		2
59	Economic insights into the production of cellulose nanofibrils from oil palm biomass. , 2022, , 39-48.		1
60	Policy and environmental aspects of oil palm biomass. , 2022, , 339-351.		1
61	An Overview on Chemical Contaminants of Wastewater and Their Current Removal Techniques. Asian Journal of Water, Environment and Pollution, 2022, 19, 15-22.	0.4	1
62	Introduction to oil palm biomass. , 2022, , 3-38.		0