Othman Y Alothman

List of Publications by Year
in descending order

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		159358	118652
95	4,320	30	62
papers	citations	h-index	g-index

96	96	96	4086
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical and physical properties analysis of olive biomass and bamboo reinforced epoxy-based hybrid composites. Biomass Conversion and Biorefinery, 2024, 14, 7959-7969.	2.9	5
2	New Cellulosic Fibers from Washingtonia Tree Agro-wastes: Structural, Morphological, and Thermal Properties. Journal of Natural Fibers, 2022, 19, 5333-5343.	1.7	17
3	Structural, Morphological and Thermal Properties of Nano Filler Produced from Date Palm-Based Micro Fibers (Phoenix dactylifera L.). Journal of Polymers and the Environment, 2022, 30, 622-630.	2.4	8
4	Olive fiber reinforced epoxy composites: Dimensional Stability, and mechanical properties. Polymer Composites, 2022, 43, 358-365.	2.3	22
5	A comparative assessment of chemical, mechanical, and thermal characteristics of treated oil palm/pineapple fiber/bio phenolic composites. Polymer Composites, 2022, 43, 2115-2128.	2.3	15
6	Olive Cellulosic Fibre Based Epoxy Composites: Thermal and Dynamic Mechanical Properties. Journal of Natural Fibers, 2022, 19, 12182-12194.	1.7	8
7	ABC-Type Triblock Copolyacrylamides via Copper-Mediated Reversible Deactivation Radical Polymerization. Polymers, 2022, 14, 116.	2.0	1
8	Performance Evaluation of Calcium Alkali-treated Oil Palm/Pineapple Fibre/Bio-phenolic Composites. Journal of Bionic Engineering, 2022, 19, 1493-1503.	2.7	7
9	Effect of alkali surface treatment and compatibilizer agent on tensile and morphological properties of date palm fibersâ€based high density polyethylene biocomposites. Polymer Composites, 2022, 43, 7211-7221.	2.3	2
10	Evaluation of the Effect of Recycled Polypropylene as Fine Aggregate Replacement on the Strength Performance and Chloride Penetration of Mortars. Polymers, 2022, 14, 2806.	2.0	6
11	Effects of Nanoclay on Mechanical and Dynamic Mechanical Properties of Bamboo/Kenaf Reinforced Epoxy Hybrid Composites. Polymers, 2021, 13, 395.	2.0	36
12	Picomolar-Level Melamine Detection via ATP Regulated CeO2 Nanorods Tunable Peroxidase-Like Nanozyme-Activity-Based Colorimetric Sensor: Logic Gate Implementation and Real Sample Analysis. Crystals, 2021, 11, 178.	1.0	6
13	Facile Synthesis of Hydrophilic Homo-Polyacrylamides via Cu(0)-Mediated Reversible Deactivation Radical Polymerization. Polymers, 2021, 13, 1947.	2.0	4
14	A comparative evaluation of chemical, mechanical, and thermal properties of oil palm fiber/pineapple fiber reinforced phenolic hybrid composites. Polymer Composites, 2021, 42, 6383-6393.	2.3	20
15	Reduced graphene/nanostructured cobalt oxide nanocomposite for enhanced electrochemical performance of supercapacitor applications. Journal of Colloid and Interface Science, 2020, 558, 68-77.	5.0	74
16	Thermal characterization of date palm/epoxy composites with fillers from different parts of the tree. Journal of Materials Research and Technology, 2020, 9, 15537-15546.	2.6	29
17	Doped SnO₂ Nanomaterials for E-Nose Based Electrochemical Sensing of Biomarkers of Lung Cancer. ACS Omega, 2020, 5, 27645-27654.	1.6	28
18	Investigation of Mn Doped ZnO Nanoparticles Towards Ascertaining Myocardial Infarction Through an Electrochemical Detection of Myoglobin. IEEE Access, 2020, 8, 164678-164692.	2.6	19

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19	Characterization of Microcrystalline Cellulose Isolated from Conocarpus Fiber. Polymers, 2020, 12, 2926.	2.0	17
20	Ethyl Acetate Chemical Sensor as Lung Cancer Biomarker Detection Based on Doped Nano-SnOâ„‚ Synthesized by Sol-Gel Process. IEEE Sensors Journal, 2020, 20, 12504-12511.	2.4	9
21	Thermo-oxidative stability and flammability properties of bamboo/kenaf/nanoclay/epoxy hybrid nanocomposites. RSC Advances, 2020, 10, 21686-21697.	1.7	35
22	ATP fosters the tuning of nanostructured CeO₂ peroxidase-like activity for promising antibacterial performance. New Journal of Chemistry, 2020, 44, 11291-11303.	1.4	22
23	Characterization of Date Palm Fiber-Reinforced Different Polypropylene Matrices. Polymers, 2020, 12, 597.	2.0	26
24	Cu-Doped ZnO Nanoparticles as an Electrochemical Sensing Electrode for Cardiac Biomarker Myoglobin Detection. IEEE Sensors Journal, 2020, 20, 8820-8832.	2.4	20
25	Microcrystalline Cellulose from Fruit Bunch Stalk of Date Palm: Isolation and Characterization. Journal of Polymers and the Environment, 2020, 28, 1766-1775.	2.4	20
26	Investigating the Characteristics of Two-Phase Flow Using Electrical Capacitance Tomography (ECT) for Three Pipe Orientations. Processes, 2020, 8, 51.	1.3	23
27	Effects of nanoclay on physical and dimensional stability of Bamboo/Kenaf/nanoclay reinforced epoxy hybrid nanocomposites. Journal of Materials Research and Technology, 2020, 9, 5871-5880.	2.6	52
28	Flexural, thermal and dynamic mechanical properties of date palm fibres reinforced epoxy composites. Journal of Materials Research and Technology, 2019, 8, 853-860.	2.6	147
29	A New Study on Characterization and Properties of Natural Fibers Obtained from Olive Tree (Olea) Tj ETQq1 1 0.784314 rgBT /Overlo	2.4	56
30	Evaluation of Mechanical, Physical, and Morphological Properties of Epoxy Composites Reinforced with Different Date Palm Fillers. Materials, 2019, 12, 2145.	1.3	71
31	Date palm reinforced epoxy composites: tensile, impact and morphological properties. Journal of Materials Research and Technology, 2019, 8, 3959-3969.	2.6	82
32	Accelerated weathering and soil burial effects on colour, biodegradability and thermal properties of bamboo/kenaf/epoxy hybrid composites. Polymer Testing, 2019, 79, 106054.	2.3	79
33	Oil palm waste based hybrid nanocomposites: Fire performance and structural analysis. Journal of Building Engineering, 2019, 25, 100829.	1.6	16
34	Characterization of natural fiber obtained from different parts of date palm tree (Phoenix dactylifera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	114
35	Evaluation of dynamic properties of nano oil palm empty fruit bunch filler/epoxy composites. Journal of Materials Research and Technology, 2019, 8, 1470-1475.	2.6	27
36	ZnO Nanocrystal-Based Chloroform Detection: Density Functional Theory (DFT) Study. Coatings, 2019, 9, 769.	1.2	14

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37	Thermomechanical and dynamic mechanical properties of bamboo/woven kenaf mat reinforced epoxy hybrid composites. Composites Part B: Engineering, 2019, 163, 165-174.	5.9	181
38	Evaluation of mechanical and free vibration properties of the pineapple leaf fibre reinforced polyester composites. Construction and Building Materials, 2019, 195, 423-431.	3.2	77
39	Magnesium hydroxide reinforced kenaf fibers/epoxy hybrid composites: Mechanical and thermomechanical properties. Construction and Building Materials, 2019, 201, 138-148.	3.2	97
40	Evaluation of the hybridization effect on the thermal and thermo-oxidative stability of bamboo/kenaf/epoxy hybrid composites. Journal of Thermal Analysis and Calorimetry, 2019, 137, 55-63.	2.0	29
41	Nitrogen and carbon functionalized cobalt phosphide as efficient non-precious electrocatalysts for oxygen reduction reaction electrocatalysis in alkaline environment. Journal of Electroanalytical Chemistry, 2018, 809, 96-104.	1.9	43
42	Hierarchical Co3O4 decorated PPy nanocasting core-shell nanospheres as a high performance electrocatalysts for methanol oxidation. International Journal of Hydrogen Energy, 2018, 43, 2742-2753.	3.8	29
43	Thermal properties of sugar palm/glass fiber reinforced thermoplastic polyurethane hybrid composites. Composite Structures, 2018, 202, 954-958.	3.1	69
44	Mechanochemical synthesis of melamine doped TiO2 nanoparticles for dye sensitized solar cells application. Journal of Materials Science: Materials in Electronics, 2018, 29, 9108-9116.	1.1	12
45	Rapid Solar-Light Driven Superior Photocatalytic Degradation of Methylene Blue Using MoS2-ZnO Heterostructure Nanorods Photocatalyst. Materials, 2018, 11, 2254.	1.3	74
46	Effect of Hybridization on the Mechanical Properties of Pineapple Leaf Fiber/Kenaf Phenolic Hybrid Composites. Journal of Renewable Materials, 2018, 6, 38-46.	1.1	41
47	Hierarchical Porous Engineering of Three-Dimensional Stacked Blocks like NiCo₂O₄ Assembled from Vertically Aligned Nanoplates for Efficient Alcohols Electrooxidation. Journal of the Electrochemical Society, 2018, 165, F1067-F1074.	1.3	3
48	Nanostructured Cuprous-Oxide-Based Screen-Printed Electrode for Electrochemical Sensing of Picric Acid. Journal of Electronic Materials, 2018, 47, 7505-7513.	1.0	8
49	Porous Polyethylene Coated with Functionalized Hydroxyapatite Particles as a Bone Reconstruction Material. Materials, 2018, 11, 521.	1.3	13
50	Thermal, physical properties and flammability of silane treated kenaf/pineapple leaf fibres phenolic hybrid composites. Composite Structures, 2018, 202, 1330-1338.	3.1	117
51	Fabrication and Characterization of Electrochemical Organophosphate Sensor Device Based on Doped Tin Oxide Nanoparticles. Journal of Nanoelectronics and Optoelectronics, 2018, 13, 1082-1089.	0.1	2
52	Highly Sensitive Enzyme-Less Glucose Biosensor Based on Î±-Fe₂O₃ Nanoparticles. Nanoscience and Nanotechnology Letters, 2018, 10, 429-434.	0.4	16
53	A Review on Phenolic Resin and its Composites. Current Analytical Chemistry, 2018, 14, 185-197.	0.6	106
54	Mechanical, morphological and structural properties of cellulose nanofibers reinforced epoxy composites. International Journal of Biological Macromolecules, 2017, 97, 190-200.	3.6	148

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55	Thermal and dynamic mechanical properties of cellulose nanofibers reinforced epoxy composites. International Journal of Biological Macromolecules, 2017, 102, 822-828.	3.6	206
56	Isolation and characterization of microcrystalline cellulose from roselle fibers. International Journal of Biological Macromolecules, 2017, 103, 931-940.	3.6	168
57	Self-assembled dopamine nanolayers wrapped carbon nanotubes as carbon-carbon bi-functional nanocatalyst for highly efficient oxygen reduction reaction and antiviral drug monitoring. Solid State Sciences, 2017, 71, 51-60.	1.5	15
58	A review on potential development of flame retardant kenaf fibers reinforced polymer composites. Polymers for Advanced Technologies, 2017, 28, 424-434.	1.6	26
59	Thermal conductivity behavior of oil palm/jute fibre-reinforced hybrid composites. AIP Conference Proceedings, 2017, , .	0.3	3
60	Physical, structural and thermomechanical properties of nano oil palm empty fruit bunch filler based epoxy nanocomposites. Industrial Crops and Products, 2017, 108, 840-843.	2.5	29
61	Effect of Nigella sativa Extracts on Candida Species Adhesion to Acrylic Denture Base Material and on Nanomechanical Properties. Science of Advanced Materials, 2017, 9, 775-781.	0.1	1
62	Green Biocomposites for Structural Applications. Green Energy and Technology, 2017, , 1-27.	0.4	19
63	Application of Amine and Copper Doped Magnesium Oxide Nanoparticles in Electrochemical Immunosensors for Detecting Brucella abortus. Nanoscience and Nanotechnology Letters, 2017, 9, 1656-1664.	0.4	9
64	Characterization of the Viscoelastic, Dielectric, and Biological Behavior of Porous Polyethylene for Hard Tissue Replacement. Science of Advanced Materials, 2017, 9, 2073-2081.	0.1	2
65	Significance of Doping Induced Tailored Zinc Oxide Nanoparticles: Implication on Structural, Morphological and Optical Characteristics. Science of Advanced Materials, 2017, 9, 2202-2213.	0.1	2
66	Effect of Aluminum Oxide Nanoparticles on Nanomechanical and Viscoelastic Properties of Low Density Polyethylene Composites. Nanoscience and Nanotechnology Letters, 2017, 9, 1891-1898.	0.4	0
67	Effect of accelerated environmental aging on tensile properties of oil palm/jute hybrid composites. AIP Conference Proceedings, 2016, , .	0.3	10
68	A review on dynamic mechanical properties of natural fibre reinforced polymer composites. Construction and Building Materials, 2016, 106, 149-159.	3.2	669
69	Recent advances in epoxy resin, natural fiber-reinforced epoxy composites and their applications. Journal of Reinforced Plastics and Composites, 2016, 35, 447-470.	1.6	294
70	Stromal Cells Attachment, Proliferation and Nano-Mechanical Behavior of High Density Polyethylene/Carbon Nanotubes/Nanoclay as Artificial Hip and Knee Joint Bearing Material. Nanoscience and Nanotechnology Letters, 2016, 8, 846-852.	0.4	2
71	Nanoclay-Reinforced High Density Polyethylene: Morphological and Nano-Indentation Characterizations. Science of Advanced Materials, 2016, 8, 458-465.	0.1	1
72	Effect of fibers treatment on dynamic mechanical and thermal properties of epoxy hybrid composites. Polymer Composites, 2015, 36, 1669-1674.	2.3	38

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73	Agricultural Biomass Based Potential Materials. , 2015, , .		32
74	Effect of polypropylene, ethylene vinyl acetate and polyamide-6 on properties of recycled polypropylene/empty fruit bunch composites. Fibers and Polymers, 2015, 16, 2359-2367.	1.1	7
75	Enhanced dispersion of carbon nanotubes in high density polyethylene matrix using secondary nanofiller and compatibilizer. Fibers and Polymers, 2015, 16, 129-137.	1.1	11
76	Potential of bioenergy production from industrial kenaf (Hibiscus cannabinus L.) based on Malaysian perspective. Renewable and Sustainable Energy Reviews, 2015, 42, 446-459.	8.2	125
77	Vascular Tissue Engineering Using Polycaprolactone Nanofibrous Scaffolds Fabricated via Electrospinning. Science of Advanced Materials, 2015, 7, 407-413.	0.1	9
78	Fused Imidazopyrazoles: Synthetic Strategies and Medicinal Applications. Journal of Chemistry, 2014, 2014, 1-15.	0.9	9
79	Enhanced mechanical and thermal properties of CNT/HDPE nanocomposite using MMT as secondary filler. , 2014, , .		1
80	Effect of coir fiber loading on mechanical and morphological properties of oil palm fibers reinforced polypropylene composites. Polymer Composites, 2014, 35, 1418-1425.	2.3	79
81	Processing and Properties of Date Palm Fibers and Its Composites. , 2014, , 1-25.		57
82	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
83	Influence of Natural and Accelerated Weathering on the Mechanical Properties of Low-Density Polyethylene Films. International Journal of Polymer Analysis and Characterization, 2014, 19, 189-203.	0.9	15
84	Thermal, creep-recovery and viscoelastic behavior of high density polyethylene/hydroxyapatite nano particles for bone substitutes: effects of gamma radiation. BioMedical Engineering OnLine, 2014, 13, 125.	1.3	12
85	Measurement of mechanical and physical properties of particleboard by hybridization of kenaf with rubberwood particles. Measurement: Journal of the International Measurement Confederation, 2014, 56, 70-80.	2.5	19
86	Optimization of rotor speed based on stretching, efficiency, and viscous heating in nonintermeshing internal batch mixer: Simulation and experimental verification. Journal of Applied Polymer Science, 2013, 127, 2739-2748.	1.3	8
87	In vitro assessment of Function Graded (FG) artificial Hip joint stem in terms of bone/cement stresses: 3D Finite Element (FE) study. BioMedical Engineering OnLine, 2013, 12, 5.	1.3	14
88	Thermo-mechanical, Wear and Fracture Behavior of High-density Polyethylene/Hydroxyapatite Nano Composite for Biomedical Applications: Effect of Accelerated Ageing. Journal of Materials Science and Technology, 2013, 29, 573-581.	5.6	40
89	Effect of gamma radiation and accelerated aging on the mechanical and thermal behavior of HDPE/HA nano-composites for bone tissue regeneration. BioMedical Engineering OnLine, 2013, 12, 95.	1.3	29
90	Effect of Fiber Treatment on Dimensional Stability and Chemical Resistance Properties of Hybrid Composites. International Journal of Polymer Analysis and Characterization, 2013, 18, 608-616.	0.9	10

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91	Synthesis and Microbial Activity of Novel 3-Methyl-2-pyrazolin-5-one Derivatives. Journal of Chemistry, 2013, 2013, 1-7.	0.9	4
92	Synthesis and Antimicrobial Activities of Some New Heterocyclic Compounds Based on 6-Chloropyridazine-3(2H)-thione. Journal of Chemistry, 2013, 2013, 1-8.	0.9	19
93	Processing and Characterization of High Density Polyethylene/Ethylene Vinyl Acetate Blends with Different VA Contents. Advances in Materials Science and Engineering, 2012, 2012, 1-10.	1.0	42
94	Formation of Vinylidene in Polypropylene/Ethylene Vinyl Acetate (PP/EVA) Blends During Degradation. Polymer-Plastics Technology and Engineering, 2012, 51, 540-547.	1.9	6
95	Comparative study of internal batch mixer such as cam, banbury and roller: Numerical simulation and experimental verification. Chemical Engineering Science, 2011, 66, 2502-2511.	1.9	38