

Aziz Hassan

List of Publications by Year in descending order

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69
papers

1,861
citations

331538

21
h-index

276775

41
g-index

73
all docs

73
docs citations

73
times ranked

2475
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic rheological properties of spotted mangrove/high-density polyethylene composites. <i>Journal of Thermoplastic Composite Materials</i> , 2021, 34, 1273-1285.	2.6	3
2	Impact of water saturation on the tensile and thermal properties of heat-treated mangrove/high-density polyethylene composites. <i>Journal of Thermoplastic Composite Materials</i> , 2021, 34, 508-522.	2.6	6
3	Effects of wood flour content and heat treatment on the dynamic mechanical and impact properties of LDPE/red balau (<i>Shorea Dipterocarpaceae</i>) composites. <i>Polymer Bulletin</i> , 2021, 78, 5181-5203.	1.7	2
4	Influence of PTFE as a solid lubricant on the mechanical, electrical, and tribological properties of CF reinforced PC composites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50346.	1.3	3
5	Dual Microcapsulation of an Environmentally Friendly Based Reactive Multifunctional Acrylated Epoxy Resin and Thiol by Internal Phase Separation Technique for Self-healing Applications. <i>Journal of Polymers and the Environment</i> , 2021, 29, 2901-2915.	2.4	4
6	The effects of melt grafted maleated polybutylene succinate on the properties of poly(hydroxybutyrate-co-hydroxyhexanoate)/polybutylene succinate blends. <i>Journal of Vinyl and Additive Technology</i> , 2021, 27, 567-588.	1.8	6
7	Impact and thermal analysis of heat-treated and untreated mangrove wood/high-density polyethylene composites. <i>Polymer Bulletin</i> , 2020, 77, 3813-3829.	1.7	10
8	Mechanical and tribological properties of solid lubricant (PTFE) filled carbon fiber reinforced polycarbonate composites. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
9	Effects of different dicarboxylic acid on the UV-curable urethane resins made from palm fatty acid distillate. <i>Journal of Coatings Technology Research</i> , 2020, 17, 1571-1585.	1.2	1
10	Electrosprayed PMMA microcapsules containing green soybean oil-based acrylated epoxy and a thiol: a novel resin for smart self-healing coatings. <i>Smart Materials and Structures</i> , 2020, 29, 085037.	1.8	10
11	Essential Oils-Loaded Electrospun Biopolymers: A Future Perspective for Active Food Packaging. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-21.	0.8	48
12	Conditioning effect on the mechanical and thermal properties of heat-treated oil palm empty fruit bunch/high-density polyethylene composite. <i>High Performance Polymers</i> , 2020, 32, 158-167.	0.8	5
13	Mechanical, rheological and thermal properties of montmorillonite-modified polyhydroxybutyrate composites. <i>High Performance Polymers</i> , 2020, 32, 192-200.	0.8	8
14	Improved properties of coating binder from palm oil-based oleic acid by copolymerizing with acrylate monomers. <i>Journal of Coatings Technology Research</i> , 2020, 17, 1013-1022.	1.2	0
15	Thermal and mechanical properties of injection moulded heat-treated oil palm empty fruit bunch fibre-reinforced high-density polyethylene composites. <i>Plastics, Rubber and Composites</i> , 2019, 48, 410-421.	0.9	7
16	Novel chitosan derivative based composite scaffolds with enhanced angiogenesis; potential candidates for healing chronic non-healing wounds. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 72.	1.7	11
17	Valorization of Nutraceutical Industrial Coriander Seed Spent by the Process of Sustainable Adsorption System of Acid Black 52 from Aqueous Solution. <i>International Journal of Environmental Research</i> , 2019, 13, 639-659.	1.1	16
18	Optimizing Treatment of Oil Palm-Empty Fruit Bunch (OP-EFB) Fiber: Chemical, Thermal and Physical Properties of Alkalized Fibers. <i>Fibers and Polymers</i> , 2019, 20, 527-537.	1.1	10

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19	Tensile Properties and Dynamic Mechanical Behaviour of Natural Rubber Compound Filled with Rice Husk Silica Produced via Solvent-Thermal Extraction Method. <i>Materials Science Forum</i> , 2019, 947, 195-199.	0.3	2
20	Role of sonication time on thermal behaviour and dynamic mechanical analysis of NiZn ferrite incorporated PLA/LNR nanocomposite. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	12
21	Influence of wood surface chemistry on the tensile and flexural properties of heat-treated mangrove/high-density polyethylene composites. <i>Polymer Bulletin</i> , 2019, 76, 6467-6486.	1.7	8
22	Water absorption behavior of heat-treated and untreated red balau saw dust/LDPE composites: Its kinetics and effects on mechanical properties. <i>Journal of Thermoplastic Composite Materials</i> , 2019, 32, 1408-1426.	2.6	7
23	Oil palm waste based phthaloyl cellulose: a product of photosynthesis as an electrolyte of photovoltaics. <i>Cellulose</i> , 2019, 26, 1605-1617.	2.4	10
24	A Novel Sustainable Design to Develop Polypropylene and Unsaturated Polyester Resin Polymer Composites From Waste of Major Polluting Industries and Investigation on Their Physicomechanical and Wear Properties. <i>Polymer Composites</i> , 2019, 40, 1142-1157.	2.3	18
25	A novel application for oil palm empty fruit bunch: extraction and modification of cellulose for solid polymer electrolyte. <i>Ionics</i> , 2018, 24, 3827-3836.	1.2	20
26	A Review on Hybrid Fillers in Rubber Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 523-539.	1.9	53
27	Synthesis of a novel organosoluble, biocompatible, and antibacterial chitosan derivative for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45905.	1.3	21
28	Preparation of one-shot and two-shot method of semi-rigid polyurethane film based on functionalized liquid natural rubber. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
29	UV-Curable Urethane Acrylate Resin from Palm Fatty Acid Distillate. <i>Polymers</i> , 2018, 10, 1374.	2.0	14
30	Physico-thermal properties of kenaf fiber/high-density polyethylene/maleic anhydride compatibilized composites. <i>High Performance Polymers</i> , 2018, 30, 900-910.	0.8	5
31	The behavior of semi-rigid polyurethane film based on functionalized rubber by one-shot and two-shot method preparation. <i>Journal of Materials Science</i> , 2018, 53, 13280-13290.	1.7	2
32	Characterization of sodium hydroxide-treated kenaf fibres for biodegradable composite application. <i>High Performance Polymers</i> , 2018, 30, 890-899.	0.8	22
33	Effect of compatibiliser on the properties of polypropylene/glass fibre/nanoclay composites. <i>Polimeros</i> , 2018, 28, 103-111.	0.2	5
34	Development of sustainable dye adsorption system using nutraceutical industrial fennel seed spentâ€™ studies using Congo red dye. <i>International Journal of Phytoremediation</i> , 2017, 19, 686-694.	1.7	30
35	Nano-scale copper oxidation on leadframe surface. <i>Ionics</i> , 2017, 23, 319-329.	1.2	4
36	Improving heat aging and mechanical properties of fluoroelastomer using carbon nanotubes. <i>Polish Journal of Chemical Technology</i> , 2017, 19, 132-142.	0.3	5

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37	The effect of filler on the protein content and interferences in rubber latices. AIP Conference Proceedings, 2017, , .	0.3	3
38	pH Sensitive Hydrogels in Drug Delivery: Brief History, Properties, Swelling, and Release Mechanism, Material Selection and Applications. Polymers, 2017, 9, 137.	2.0	415
39	Microstructural and thermal properties of fluoroelastomer/acidic surface modified carbon nanotube nanocomposites. Polymer Composites, 2016, 37, 3341-3353.	2.3	9
40	Improving the thermal properties of fluoroelastomer (Viton GF-600S) using carbon nanotube. Composite Interfaces, 2016, 23, 191-207.	1.3	4
41	Improving the thermal properties of fluoroelastomer (Viton GF-600S) using acidic surface modified carbon nanotube. Polimeros, 2015, 25, 392-401.	0.2	12
42	Optimizing the usability of unwanted latex yield by in situ depolymerization and functionalization. Industrial Crops and Products, 2015, 74, 773-783.	2.5	8
43	Compression and mechanical properties of directly compressible pregelatinized sago starches. Powder Technology, 2015, 269, 15-21.	2.1	24
44	Functionalized liquid natural rubber and liquid epoxidized natural rubber: A promising green toughening agent for polyester. Journal of Applied Polymer Science, 2015, 132, .	1.3	40
45	Effects of extrusion temperature on the rheological, dynamic mechanical and tensile properties of kenaf fiber/HDPE composites. Composites Part B: Engineering, 2014, 58, 259-266.	5.9	145
46	Improvement in the mechanical performance and interfacial behavior of kenaf fiber reinforced high density polyethylene composites by the addition of maleic anhydride grafted high density polyethylene. Journal of Polymer Research, 2014, 21, 1.	1.2	40
47	Synthesis, thermal stability, optical and electrochemical properties of halogen terminated azo-benzothiazole mesogen containing smectic side chain liquid crystalline polymers. Journal of Polymer Research, 2014, 21, 1.	1.2	12
48	Microstructural and thermal properties of fluoroelastomer/carbon nanotube composites. Composites Part B: Engineering, 2014, 58, 166-174.	5.9	31
49	Naphthalene group containing side chain liquid crystalline polymers and their rheological behavior. Journal of Polymer Research, 2013, 20, 1.	1.2	4
50	Structural and optical characterization of metal tungstates (MWO ₄ ; M=Ni, Ba, Bi) synthesized by a sucrose-templated method. Chemistry Central Journal, 2013, 7, 80.	2.6	125
51	Thermal conductivity and dynamic mechanical analysis of NiZn ferrite nanoparticles filled thermoplastic natural rubber nanocomposite. Composites Part B: Engineering, 2013, 52, 334-339.	5.9	35
52	Effect of the lateral substituent on the mesomorphic behavior of side-chain liquid-crystalline polymers containing a Schiff base ester. Journal of Polymer Research, 2013, 20, 1.	1.2	9
53	Synthesis and characterization of azo benzothiazole chromophore based liquid crystal macromers: Effects of substituents on benzothiazole ring and terminal group on mesomorphic, thermal and optical properties. Materials Chemistry and Physics, 2013, 140, 543-552.	2.0	26
54	Impact properties of glass-fiber/polypropylene composites: The influence of fiber loading, specimen geometry and test temperature. Fibers and Polymers, 2013, 14, 1877-1885.	1.1	33

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55	Thermal, optical and electrochemical study of side chain liquid crystalline polymers bearing azo-benzothiazole chromophore in the mesogen. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	13
56	Thermal and mechanical properties of treated and untreated Red Balau (<i>Shorea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (dipter 215-224.	1.6	28
57	Micro-structural, thermal, and mechanical properties of injection-molded glass fiber/nanoclay/polypropylene composites. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 269-281.	1.6	34
58	Polypropylene/glass fiber/nanoclay hybrid composites: morphological, thermal, dynamic mechanical and impact behaviors. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 1247-1257.	1.6	53
59	Moisture absorption effect on thermal, dynamic mechanical and mechanical properties of injection-molded short glass-fiber/polyamide 6,6 composites. <i>Fibers and Polymers</i> , 2012, 13, 899-906.	1.1	42
60	Study of Thermal Decomposition Kinetics of Palm Oleic Acid-Based Alkyds and Effect of Oil Length on Thermal Stability. <i>Journal of Polymers and the Environment</i> , 2012, 20, 507-513.	2.4	9
61	Synthesis and characterization of new copolymers from glycidyl methacrylate and tetrahydrofurfuryl acrylate: Determination of reactivity ratios. <i>Fibers and Polymers</i> , 2012, 13, 555-563.	1.1	7
62	Extrusion and injection-molding of glass fiber/MAPP/polypropylene: effect of coupling agent on DSC, DMA, and mechanical properties. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1223-1232.	1.6	48
63	Effect of acid modification on dyeing properties of Rajshahi silk fabric with different dye classes. <i>Fibers and Polymers</i> , 2011, 12, 642-647.	1.1	7
64	Reactions between epoxidized natural rubber and palm oilâ€based alkyds at ambient temperature. <i>Journal of Applied Polymer Science</i> , 2011, 120, 1503-1509.	1.3	23
65	Preparation and characterisation of tungstate scheelite structured nanoparticles. <i>Materials Research Innovations</i> , 2011, 15, s100-s97.	1.0	1
66	Interfacial shear strength and tensile properties of injection-molded, short- and long-glass fiber-reinforced polyamide 6,6 composites. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1233-1242.	1.6	22
67	Reactions of palm oilâ€based mclâ€PHAs with epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2039-2043.	1.3	15
68	Structural Studies of Potassium Hexatitanates Prepared under Hydrothermal and Solid State Conditions. <i>Materials Science Forum</i> , 2006, 517, 222-226.	0.3	10
69	Adsorption of Acid Blue 113 from aqueous solution onto nutraceutical industrial coriander seed spent: Isotherm, kinetics, thermodynamics and modeling studies. , 0, 153, 321-337.		10