

# 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	pH Sensitive Hydrogels in Drug Delivery: Brief History, Properties, Swelling, and Release Mechanism, Material Selection and Applications. <i>Polymers</i> , 2017, 9, 137.	2.0	415
2	Effects of extrusion temperature on the rheological, dynamic mechanical and tensile properties of kenaf fiber/HDPE composites. <i>Composites Part B: Engineering</i> , 2014, 58, 259-266.	5.9	145
3	Structural and optical characterization of metal tungstates (MWO <sub>4</sub> ; M=Ni, Ba, Bi) synthesized by a sucrose-templated method. <i>Chemistry Central Journal</i> , 2013, 7, 80.	2.6	125
4	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
5	A Review on Hybrid Fillers in Rubber Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 523-539.	1.9	53
6	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
7	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
8	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
9	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. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	40
10	Functionalized liquid natural rubber and liquid epoxidized natural rubber: A promising green toughening agent for polyester. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	40
11	Thermal conductivity and dynamic mechanical analysis of NiZn ferrite nanoparticles filled thermoplastic natural rubber nanocomposite. <i>Composites Part B: Engineering</i> , 2013, 52, 334-339.	5.9	35
12	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
13	Impact properties of glass-fiber/polypropylene composites: The influence of fiber loading, specimen geometry and test temperature. <i>Fibers and Polymers</i> , 2013, 14, 1877-1885.	1.1	33
14	Microstructural and thermal properties of fluoroelastomer/carbon nanotube composites. <i>Composites Part B: Engineering</i> , 2014, 58, 166-174.	5.9	31
15	Development of sustainable dye adsorption system using nutraceutical industrial fennel seed spent "studies using Congo red dye. <i>International Journal of Phytoremediation</i> , 2017, 19, 686-694.	1.7	30
16	Thermal and mechanical properties of treated and untreated Red Balau ( <i>Shorea</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (dipterocarpus) composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, 215-224.	1.6	28
17	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. <i>Materials Chemistry and Physics</i> , 2013, 140, 543-552.	2.0	26
18	Compression and mechanical properties of directly compressible pregelatinized sago starches. <i>Powder Technology</i> , 2015, 269, 15-21.	2.1	24

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19	Reactions between epoxidized natural rubber and palm oil-based alkyds at ambient temperature. <i>Journal of Applied Polymer Science</i> , 2011, 120, 1503-1509.	1.3	23
20	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
21	Characterization of sodium hydroxide-treated kenaf fibres for biodegradable composite application. <i>High Performance Polymers</i> , 2018, 30, 890-899.	0.8	22
22	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
23	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
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	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
26	Reactions of palm oil-based mcl-EPHAs with epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2039-2043.	1.3	15
27	UV-Curable Urethane Acrylate Resin from Palm Fatty Acid Distillate. <i>Polymers</i> , 2018, 10, 1374.	2.0	14
28	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
29	Synthesis, thermal stability, optical and electrochemical properties of halogen terminated azo-benzothiazole mesogen containing smectic side chain liquid crystalline polymers. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	12
30	Improving the thermal properties of fluoroelastomer (Viton GF-600S) using acidic surface modified carbon nanotube. <i>Polimeros</i> , 2015, 25, 392-401.	0.2	12
31	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
32	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
33	Structural Studies of Potassium Hexatitanates Prepared under Hydrothermal and Solid State Conditions. <i>Materials Science Forum</i> , 2006, 517, 222-226.	0.3	10
34	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
35	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
36	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

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37	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
38	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
39	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
40	Effect of the lateral substituent on the mesomorphic behavior of side-chain liquid-crystalline polymers containing a Schiff base ester. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	9
41	Microstructural and thermal properties of fluoroelastomer/acidic surface modified carbon nanotube nanocomposites. <i>Polymer Composites</i> , 2016, 37, 3341-3353.	2.3	9
42	Optimizing the usability of unwanted latex yield by in situ depolymerization and functionalization. <i>Industrial Crops and Products</i> , 2015, 74, 773-783.	2.5	8
43	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
44	Mechanical, rheological and thermal properties of montmorillonite-modified polyhydroxybutyrate composites. <i>High Performance Polymers</i> , 2020, 32, 192-200.	0.8	8
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	Effect of compatibiliser on the properties of polypropylene/glass fibre/nanoclay composites. <i>Polimeros</i> , 2018, 28, 103-111.	0.2	5
54	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

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55	Naphthalene group containing side chain liquid crystalline polymers and their rheological behavior. Journal of Polymer Research, 2013, 20, 1.	1.2	4
56	Improving the thermal properties of fluoroelastomer (Viton GF-600S) using carbon nanotube. Composite Interfaces, 2016, 23, 191-207.	1.3	4
57	Nano-scale copper oxidation on leadframe surface. Ionics, 2017, 23, 319-329.	1.2	4
58	Dual Microcapsulation of an Environmentally Friendly Based Reactive Multifunctional Acrylated Epoxy Resin and Thiol by Internal Phase Separation Technique for Self-healing Applications. Journal of Polymers and the Environment, 2021, 29, 2901-2915.	2.4	4
59	The effect of filler on the protein content and interferences in rubber latices. AIP Conference Proceedings, 2017, , .	0.3	3
60	Dynamic rheological properties of spotted mangrove/high-density polyethylene composites. Journal of Thermoplastic Composite Materials, 2021, 34, 1273-1285.	2.6	3
61	Influence of PTFE as a solid lubricant on the mechanical, electrical, and tribological properties of CF reinforced PC composites. Journal of Applied Polymer Science, 2021, 138, 50346.	1.3	3
62	The behavior of semi-rigid polyurethane film based on functionalized rubber by one-shot and two-shot method preparation. Journal of Materials Science, 2018, 53, 13280-13290.	1.7	2
63	Tensile Properties and Dynamic Mechanical Behaviour of Natural Rubber Compound Filled with Rice Husk Silica Produced via Solvent-Thermal Extraction Method. Materials Science Forum, 2019, 947, 195-199.	0.3	2
64	Mechanical and tribological properties of solid lubricant (PTFE) filled carbon fiber reinforced polycarbonate composites. AIP Conference Proceedings, 2020, , .	0.3	2
65	Effects of wood flour content and heat treatment on the dynamic mechanical and impact properties of LDPE/red balau (Shorea Dipterocarpaceae) composites. Polymer Bulletin, 2021, 78, 5181-5203.	1.7	2
66	Preparation and characterisation of tungstate scheelite structured nanoparticles. Materials Research Innovations, 2011, 15, s100-s97.	1.0	1
67	Effects of different dicarboxylic acid on the UV-curable urethane resins made from palm fatty acid distillate. Journal of Coatings Technology Research, 2020, 17, 1571-1585.	1.2	1
68	Preparation of one-shot and two-shot method of semi-rigid polyurethane film based on functionalized liquid natural rubber. AIP Conference Proceedings, 2018, , .	0.3	0
69	Improved properties of coating binder from palm oil-based oleic acid by copolymerizing with acrylate monomers. Journal of Coatings Technology Research, 2020, 17, 1013-1022.	1.2	0