

Azman bin Hassan

List of Publications by Year in descending order

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217
papers

9,102
citations

36303

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53230

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221
docs citations

221
times ranked

7717
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential materials for food packaging from nanoclay/natural fibres filled hybrid composites. <i>Materials & Design</i> , 2013, 46, 391-410.	5.1	488
2	Effect of jute fibre loading on tensile and dynamic mechanical properties of oil palm epoxy composites. <i>Composites Part B: Engineering</i> , 2013, 45, 619-624.	12.0	376
3	Isolation and characterization of microcrystalline cellulose from oil palm biomass residue. <i>Carbohydrate Polymers</i> , 2013, 93, 628-634.	10.2	335
4	Recent advances in epoxy resin, natural fiber-reinforced epoxy composites and their applications. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 447-470.	3.1	294
5	Current developments in chemical recycling of post-consumer polyethylene terephthalate wastes for new materials production: A review. <i>Journal of Cleaner Production</i> , 2019, 225, 1052-1064.	9.3	262
6	Comparison of Poly(lactic acid)/Kenaf and Poly(lactic acid)/Rice Husk Composites: The Influence of the Natural Fibers on the Mechanical, Thermal and Biodegradability Properties. <i>Journal of Polymers and the Environment</i> , 2010, 18, 422-429.	5.0	257
7	Isolation and characterization of cellulose nanowhiskers from oil palm biomass microcrystalline cellulose. <i>Carbohydrate Polymers</i> , 2014, 103, 119-125.	10.2	245
8	Properties of poly(lactic acid) composites reinforced with oil palm biomass microcrystalline cellulose. <i>Carbohydrate Polymers</i> , 2013, 98, 139-145.	10.2	224
9	Manganese-, cobalt-, and zinc-based mixed-oxide spinels as novel catalysts for the chemical recycling of poly(ethylene terephthalate) via glycolysis. <i>Polymer Degradation and Stability</i> , 2013, 98, 904-915.	5.8	190
10	Effect of ammonium polyphosphate on flame retardancy, thermal stability and mechanical properties of alkali treated kenaf fiber filled PLA biocomposites. <i>Materials & Design</i> , 2014, 54, 425-429.	5.1	179
11	Novel toughened poly(lactic acid) nanocomposite: Mechanical, thermal and morphological properties. <i>Materials & Design</i> , 2010, 31, 3289-3298.	5.1	160
12	A review on oil palm empty fruit bunch fiber reinforced polymer composite materials. <i>Polymer Composites</i> , 2010, 31, 2079-2101.	4.6	135
13	Dielectric properties and microwave heating of oil palm biomass and biochar. <i>Industrial Crops and Products</i> , 2013, 50, 366-374.	5.2	128
14	Materials for food packaging applications based on bio-based polymer nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 143-173.	4.2	123
15	Rice Husk Filled Polymer Composites. <i>International Journal of Polymer Science</i> , 2015, 2015, 1-32.	2.7	116
16	Characterization and preparation of conductive exfoliated graphene nanoplatelets kenaf fibre hybrid polypropylene composites. <i>Synthetic Metals</i> , 2016, 212, 91-104.	3.9	114
17	A review of recent developments in flammability of polymer nanocomposites. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	4.4	108
18	Improvement of physico-mechanical properties of coir-polypropylene biocomposites by fiber chemical treatment. <i>Materials & Design</i> , 2013, 52, 251-257.	5.1	106

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19	Mechanical and thermal properties of date palm leaf fiber reinforced recycled poly (ethylene Tj ETQq1 1 0.784314 591 /Overlock 10 103	5.5	103
20	Influence of exfoliated graphene nanoplatelets on flame retardancy of kenaf flour polypropylene hybrid nanocomposites. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 123, 65-72.	5.5	102
21	Effect of reinforcement and chemical treatment of fiber on The Properties of jute-coir fiber reinforced hybrid polypropylene composites. <i>Fibers and Polymers</i> , 2014, 15, 1023-1028.	2.1	101
22	Recently emerging advancements in halloysite nanotubes polymer nanocomposites. <i>Composite Interfaces</i> , 2019, 26, 751-824.	2.3	99
23	Toughening of Polylactic Acid Nanocomposites: A Short Review. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 175-192.	1.9	97
24	Hibiscus Cannabinus Fiber/PP based Nano-Biocomposites Reinforced with Graphene Nanoplatelets. <i>Journal of Natural Fibers</i> , 2017, 14, 691-706.	3.1	95
25	Recently Emerging Nanotechnological Advancements in Polymer Nanocomposite Coatings for Anti-corrosion, Anti-fouling and Self-healing. <i>Surfaces and Interfaces</i> , 2020, 21, 100734.	3.0	86
26	Synergistic effect of exfoliated graphene nanoplatelets and non-halogen flame retardants on flame retardancy and thermal properties of kenaf flour-PP nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 1681-1703.	3.6	85
27	Physical and mechanical properties of jute, bamboo and coir natural fiber. <i>Fibers and Polymers</i> , 2013, 14, 1762-1767.	2.1	84
28	Polypropylene/calcium carbonate nanocomposites – effects of processing techniques and maleated polypropylene compatibiliser. <i>EXPRESS Polymer Letters</i> , 2010, 4, 611-620.	2.1	82
29	Effect of exfoliated graphite nanoplatelets on thermal and heat deflection properties of kenaf polypropylene hybrid nanocomposites. <i>Journal of Polymer Engineering</i> , 2016, 36, 877-889.	1.4	79
30	Natural fiber reinforced poly(vinyl chloride) composites: A review. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 330-356.	3.1	78
31	Effect of Nanofillers on Tribological Properties of Polymer Nanocomposites: A Review on Recent Development. <i>Polymers</i> , 2021, 13, 2867.	4.5	77
32	Optimization of high pressure homogenization parameters for the isolation of cellulosic nanofibers using response surface methodology. <i>Industrial Crops and Products</i> , 2015, 74, 381-387.	5.2	76
33	Recently emerging trends in thermal conductivity of polymer nanocomposites. <i>Reviews in Chemical Engineering</i> , 2016, 32, .	4.4	76
34	Mechanical and morphological properties of PP/NR/LLDPE ternary blend – effect of HVA-2. <i>Polymer Testing</i> , 2003, 22, 281-290.	4.8	74
35	Electrical, thermal and flammability properties of conductive filler kenaf – reinforced polymer nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 516-540.	4.2	74
36	Morphology, thermal and mechanical behavior of polypropylene nanocomposites toughened with poly(ethylene-co-octene). <i>Polymer International</i> , 2006, 55, 204-215.	3.1	73

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37	On the use of magnesium hydroxide towards halogen-free flame-retarded polyamide-6/polypropylene blends. <i>Polymer Degradation and Stability</i> , 2012, 97, 1447-1457.	5.8	72
38	Emerging trends in graphene carbon based polymer nanocomposites and applications. <i>Reviews in Chemical Engineering</i> , 2016, 32, .	4.4	71
39	Mechanical, Thermal, and Morphological Properties of Polylactic Acid/Linear Low Density Polyethylene Blends. <i>Journal of Elastomers and Plastics</i> , 2010, 42, 223-239.	1.5	65
40	Recently emerging trends in polymer nanocomposites packaging materials. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1054-1109.	1.3	65
41	Enhanced ductility and tensile properties of hybrid montmorillonite/cellulose nanowhiskers reinforced polylactic acid nanocomposites. <i>Journal of Materials Science</i> , 2015, 50, 3118-3130.	3.7	63
42	Exploring the effect of cellulose nanowhiskers isolated from oil palm biomass on polylactic acid properties. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 370-378.	7.5	63
43	EFFECT OF DEGREE OF DEACETYLATION OF CHITOSAN ON THERMAL STABILITY AND COMPATIBILITY OF CHITOSAN-POLYAMIDE BLEND. <i>BioResources</i> , 2012, 7, .	1.0	59
44	Mechanical Properties and Morphological Characterization of PLA/Chitosan/Epoxidized Natural Rubber Composites. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-7.	1.8	59
45	Effect of jute fibre loading on the mechanical and thermal properties of oil palm epoxy composites. <i>Journal of Composite Materials</i> , 2013, 47, 1633-1641.	2.4	57
46	Flammability and thermal properties of polycarbonate /acrylonitrile-butadiene-styrene nanocomposites reinforced with multilayer graphene. <i>Polymer Degradation and Stability</i> , 2015, 120, 88-97.	5.8	56
47	Impact properties of acrylate rubber-modified PVC: Influence of temperature. <i>Journal of Materials Processing Technology</i> , 2006, 172, 341-345.	6.3	55
48	Influence of exfoliated graphite nanoplatelets on the flammability and thermal properties of polyethylene terephthalate/polypropylene nanocomposites. <i>Polymer Degradation and Stability</i> , 2014, 110, 137-148.	5.8	55
49	Rubber-toughened polypropylene nanocomposite: Effect of polyethylene octene copolymer on mechanical properties and phase morphology. <i>Journal of Applied Polymer Science</i> , 2006, 99, 3441-3450.	2.6	53
50	Mechanical and thermal properties of exfoliated graphite nanoplatelets reinforced polyethylene terephthalate/polypropylene composites. <i>Polymer Composites</i> , 2014, 35, 2029-2035.	4.6	53
51	Dispersion and roles of montmorillonite on structural, flammability, thermal and mechanical behaviours of electron beam irradiated flame retarded nanocomposite. <i>Composites Part B: Engineering</i> , 2014, 61, 41-48.	12.0	52
52	Mechanical properties of wollastonite reinforced thermoplastic composites: A review. <i>Polymer Composites</i> , 2020, 41, 395-429.	4.6	51
53	Mechanical, thermal, and morphological properties of graphene reinforced polycarbonate/acrylonitrile butadiene styrene nanocomposites. <i>Polymer Composites</i> , 2016, 37, 1633-1640.	4.6	49
54	Enhanced Flexibility of Biodegradable Polylactic Acid/Starch Blends Using Epoxidized Palm Oil as Plasticizer. <i>Polymers</i> , 2018, 10, 977.	4.5	47

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55	Heat sealability of laminated films with LLDPE and LDPE as the sealant materials in bar sealing application. <i>Journal of Applied Polymer Science</i> , 2007, 104, 3736-3745.	2.6	45
56	Aging of Toughened Polylactic Acid Nanocomposites: Water Absorption, Hygrothermal Degradation and Soil Burial Analysis. <i>Journal of Polymers and the Environment</i> , 2011, 19, 863-875.	5.0	44
57	Electron beam irradiation of low density polyethylene/ethylene vinyl acetate filled with metal hydroxides for wire and cable applications. <i>Polymer Degradation and Stability</i> , 2012, 97, 1432-1437.	5.8	44
58	Investigation of nano-size montmorillonite on electron beam irradiated flame retardant polyethylene and ethylene vinyl acetate blends. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 299, 42-50.	1.4	44
59	Effect of hydrolysed cellulose nanowhiskers on properties of montmorillonite/polylactic acid nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 998-1010.	7.5	44
60	Effect of Oil Palm Empty Fruit Bunch and Acrylic Impact Modifier on Mechanical Properties and Processability of Unplasticized Poly(Vinyl Chloride) Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 1125-1137.	1.9	40
61	Physicochemical characterization of cellulose nanowhiskers extracted from oil palm biomass microcrystalline cellulose. <i>Materials Letters</i> , 2013, 113, 87-89.	2.6	40
62	Effects of compatibilizers on mechanical properties of PET/PP blend. <i>Composite Interfaces</i> , 2013, 20, 507-515.	2.3	38
63	Enhanced mechanical and thermal properties of hybrid graphene nanoplatelets/multiwall carbon nanotubes reinforced polyethylene terephthalate nanocomposites. <i>Fibers and Polymers</i> , 2016, 17, 1657-1666.	2.1	38
64	Effects of ammonium polyphosphate content on mechanical, thermal and flammability properties of kenaf/polypropylene and rice husk/polypropylene composites. <i>Construction and Building Materials</i> , 2017, 152, 484-493.	7.2	38
65	Mechanical, thermal, morphological and leaching properties of nonmetallic printed circuit board waste in recycled HDPE composites. <i>Journal of Cleaner Production</i> , 2013, 57, 327-334.	9.3	37
66	Characterization and mechanical properties of exfoliated graphite nanoplatelets reinforced polyethylene terephthalate/polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	37
67	Effects of montmorillonite on the electron beam irradiated alumina trihydrate added polyethylene and ethylene vinyl acetate nanocomposite. <i>Polymer Composites</i> , 2012, 33, 1883-1892.	4.6	36
68	Epoxidized natural rubber toughened polylactic acid/talc composites: Mechanical, thermal, and morphological properties. <i>Journal of Composite Materials</i> , 2014, 48, 769-781.	2.4	36
69	Emerging trends in flame retardancy of biofibers, biopolymers, biocomposites, and bionanocomposites. <i>Reviews in Chemical Engineering</i> , 2016, 32, .	4.4	36
70	Effects of date palm leaf fiber on the thermal and tensile properties of recycled ternary polyolefin blend composites. <i>Fibers and Polymers</i> , 2017, 18, 1330-1335.	2.1	36
71	Effect of Organoclay and Ethylene-Octene Copolymer Inclusion on the Morphology and Mechanical Properties of Polyamide/Polypropylene Blends. <i>Journal of Reinforced Plastics and Composites</i> , 2006, 25, 933-955.	3.1	34
72	Mechanical and thermal properties of calcium carbonate-filled PP/LLDPE composite. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2413-2421.	2.6	34

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73	Poly(lactic acid)/polycaprolactone nanocomposite. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 69-87.	1.5	34
74	Mechanical and thermal properties of SEBS-g-EMA compatibilized halloysite nanotubes reinforced polyethylene terephthalate/polycarbonate/nanocomposites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	33
75	The Effect of Oil Extraction of the Oil Palm Empty Fruit Bunch on the Processability, Impact, and Flexural Properties of PVC-U Composites. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2006, 55, 627-641.	3.4	32
76	Ethylene-octene copolymer (POE) toughened polyamide 6/polypropylene nanocomposites: Effect of POE maleation. <i>EXPRESS Polymer Letters</i> , 2009, 3, 309-319.	2.1	32
77	Bionanocomposite based on cellulose nanowhisker from oil palm biomass-filled poly(lactic acid). <i>Polymer Testing</i> , 2015, 48, 133-139.	4.8	32
78	Mechanical, Thermal and Electrical Properties of Ethylene Vinyl Acetate Irradiated by an Electron-Beam. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 589-594.	1.9	30
79	Mechanical, electrical, and thermal properties of irradiated low-density polyethylene by electron beam. <i>Polymer Bulletin</i> , 2012, 68, 2323-2339.	3.3	30
80	Impact of succinic anhydride on the properties of jute fiber/polypropylene biocomposites. <i>Fibers and Polymers</i> , 2014, 15, 307-314.	2.1	30
81	Partial replacement effect of montmorillonite with cellulose nanowhiskers on poly(lactic acid) nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 91-99.	7.5	30
82	Use of epoxidized natural rubber as a toughening agent in plastics. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	30
83	Effect of montmorillonite (MMT) content on the mechanical, oxygen barrier, and thermal properties of rice husk/MMT hybrid filler-filled low-density polyethylene nanocomposite blown films. <i>Journal of Thermoplastic Composite Materials</i> , 2016, 29, 1003-1019.	4.2	30
84	Flame retardancy, Thermal and mechanical properties of Kenaf fiber reinforced Unsaturated polyester/Phenolic composite. <i>Fibers and Polymers</i> , 2016, 17, 902-909.	2.1	29
85	Mechanical Properties of Mica-Filled Polycarbonate/Poly(Acrylonitrile-Butadiene-Styrene) Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 727-736.	1.9	28
86	Influence of maleic anhydride-grafted polyethylene compatibiliser on the tensile, oxygen barrier and thermal properties of rice husk and nanoclay-filled low-density polyethylene composite films. <i>Journal of Plastic Film and Sheeting</i> , 2014, 30, 120-140.	2.2	28
87	Mechanical and Thermal Properties of Montmorillonite-Reinforced Polypropylene/Rice Husk Hybrid Nanocomposites. <i>Polymers</i> , 2019, 11, 1557.	4.5	28
88	Morphology, Thermal, and Mechanical Behavior of Ethylene Octene Copolymer Toughened Polyamide 6/Polypropylene Nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2006, 19, 545-567.	4.2	27
89	Ethylene Copolymer Toughened Poly(lactic acid) Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 19-27.	1.9	27
90	Mechanical and thermal properties of recycled poly(ethylene terephthalate) reinforced newspaper fiber composites. <i>Fibers and Polymers</i> , 2014, 15, 1531-1538.	2.1	27

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91	The Effect of Polyethylene-Octene Elastomer on the Morphological and Mechanical Properties of Polyamide 6/Polypropylene Nanocomposites. <i>Polymers and Polymer Composites</i> , 2005, 13, 795-805.	1.9	26
92	Experimental analysis and theoretical modeling of the mechanical behavior of short glass fiber and short carbon fiber reinforced polycarbonate hybrid composites. <i>Polymer Composites</i> , 2016, 37, 1238-1248.	4.6	26
93	Mechanical and thermal properties of chemical treated kenaf fibres reinforced polyester composites. <i>Journal of Composite Materials</i> , 2013, 47, 3343-3350.	2.4	25
94	The chemical modification of tropical wood polymer composites. <i>Journal of Composite Materials</i> , 2014, 48, 783-789.	2.4	25
95	Effect of zinc borate on flammability/thermal properties of ethylene vinyl acetate filled with metal hydroxides. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 1122-1128.	3.1	24
96	Mechanical properties of poly(lactic acid)/multiwalled carbon nanotubes nanocomposites. <i>Materials Research Innovations</i> , 2014, 18, S6-14-S6-17.	2.3	24
97	Experimental investigations of skin-like material and computation of its material properties. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 1909-1914.	2.2	24
98	Influence of rubber content on mechanical, thermal, and morphological behavior of natural rubber toughened poly(lactic acid)-multiwalled carbon nanotube nanocomposites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	24
99	The Effect of the Structure of Clay and Clay Modifier on Polystyrene-Clay Nanocomposite Morphology: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 1433-1444.	1.9	23
100	Maleic Anhydride Polyethylene Octene Elastomer Toughened Polyamide 6/Polypropylene Nanocomposites: Mechanical and Morphological Properties. <i>Macromolecular Symposia</i> , 2006, 239, 182-191.	0.7	22
101	BI-LAYER HYBRID BIOCOMPOSITES: CHEMICAL RESISTANT AND PHYSICAL PROPERTIES. <i>BioResources</i> , 2012, 7, .	1.0	22
102	Mechanical and Thermal Properties of ABS/PVC Composites: Effect of Particles Size and Surface Treatment of Ground Calcium Carbonate. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 473-479.	1.9	21
103	Mechanical properties of talc and (calcium carbonate) filled poly(vinyl chloride) hybrid composites. <i>Journal of Vinyl and Additive Technology</i> , 2012, 18, 76-86.	3.4	21
104	Development of Scratch- and Abrasion-Resistant Coating Materials Based on Nanoparticles, Cured by Radiation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2009, 58, 422-451.	3.4	20
105	Mechanical and Rheological Properties of PA6/ABS Blends - With and Without Short Glass Fiber. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 2808-2820.	3.1	20
106	Poly(lactic acid) Based Blends, Composites and Nanocomposites. <i>Advanced Structured Materials</i> , 2013, , 361-396.	0.5	20
107	Enhanced Flame Retardancy, Thermal and Mechanical Properties of Hybrid Magnesium Hydroxide/Montmorillonite Reinforced Polyamide 6/Polypropylene Nanocomposites. <i>Fibers and Polymers</i> , 2018, 19, 914-926.	2.1	20
108	Effect of bar sealing parameters on OPP/MCPP heat seal strength. <i>EXPRESS Polymer Letters</i> , 2007, 1, 773-779.	2.1	20

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109	Mechanical behaviour and fracture toughness evaluation of rubber toughened polypropylene nanocomposites. <i>Plastics, Rubber and Composites</i> , 2006, 35, 37-46.	2.0	19
110	Novel epoxidized natural rubber toughened polyamide 6/halloysite nanotubes nanocomposites. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	19
111	The Effect of TMPTMA Addition on Electron-beam Irradiated LDPE, EVA and Blend Properties. <i>International Polymer Processing</i> , 2013, 28, 386-392.	0.5	19
112	Properties of ethylene-vinyl acetate filled with metal hydroxide. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 88-100.	1.5	19
113	Phase Morphology and Mechanical Properties of Rubber-Toughened Polypropylene Nanocomposites: Effect of Elastomer Polarity. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 411-419.	1.9	18
114	Polypropylene/organically modified Sabah montmorillonite nanocomposites: Surface modification and nanocomposites characterization. <i>Polymer Composites</i> , 2011, 32, 1927-1936.	4.6	18
115	PLA/Kenaf/APP Biocomposites: Effect of Alkali Treatment and Ammonium Polyphosphate (APP) on Dynamic Mechanical and Morphological Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 760-766.	1.9	18
116	Effect of microcrystalline cellulose on biodegradability, tensile and morphological properties of montmorillonite reinforced polylactic acid nanocomposites. <i>Fibers and Polymers</i> , 2015, 16, 2284-2293.	2.1	18
117	Interface modification of compatibilized polyethylene terephthalate/polypropylene blends: Effect of compatibilization on thermomechanical properties and thermal stability. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, 45-54.	3.4	18
118	Thermal and flammability properties of wollastonite-filled thermoplastic composites: a review. <i>Journal of Materials Science</i> , 2021, 56, 8911-8950.	3.7	18
119	Mechanical Properties of Silane and Zirconate Coupling Agent-Treated Oil Palm Empty Fruit Bunch Fiber-Filled Acrylic-Impact Modified Poly (Vinyl Chloride) Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 1563-1570.	1.9	17
120	Effects of irradiation on the mechanical, electrical, and flammability properties of (low-density) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Vinyl and Additive Technology, 2014, 20, 91-98.	3.4	17
121	The Effect of Rubber Type and Rubber Functionality on the Morphological and Mechanical Properties of Rubber-toughened Polyamide 6/Polypropylene Nanocomposites. <i>Polymer Journal</i> , 2006, 38, 767-780.	2.7	16
122	Electron-beam irradiation of low density polyethylene/ethylene vinyl acetate blends. <i>Journal of Polymer Engineering</i> , 2013, 33, 149-161.	1.4	16
123	Effects of zinc borate loading on thermal stability, flammability, crystallization properties of magnesium oxide/(90/10) mLLDPE/(NR/ENR-50) blends. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 277-287.	2.4	16
124	Epoxidized natural rubber-toughened polypropylene/organically modified montmorillonite nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2014, 27, 233-250.	4.2	16
125	Polymerization of polyaniline under various concentrations of ammonium peroxydisulfate and hydrochloric acid by ultrasonic irradiation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50637.	2.6	16
126	New Approach to Oil Palm Trunk Core Lumber Material Properties Enhancement via Resin Impregnation. <i>Journal of Biobased Materials and Bioenergy</i> , 2012, 6, 299-308.	0.3	16

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127	Mechanical and Oxygen Barrier Properties of LDPE/MMT/MAPE and LDPE/MMT/EVA Nanocomposite Films: A Comparison Study. <i>Journal of Physical Science</i> , 2018, 29, 43-58.	0.9	16
128	Properties and Structure of Polypropylene/ Polyethylene-Octene Elastomer/Nano CaCO ₃ Composites. <i>Journal of Thermoplastic Composite Materials</i> , 2008, 21, 123-140.	4.2	15
129	Effect of UV/EB radiation dosages on the properties of nanocomposite coatings. <i>Radiation Physics and Chemistry</i> , 2011, 80, 136-141.	2.8	15
130	Converting non-metallic printed circuit boards waste into a value added product. <i>Journal of Environmental Health Science & Engineering</i> , 2013, 11, 2.	3.0	15
131	Electron Beam Irradiation of LDPE Filled with Calcium Carbonate and Metal Hydroxides. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1362-1366.	1.9	15
132	Encapsulation of nonmetallic fractions recovered from printed circuit boards waste with thermoplastic. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 1085-1092.	1.9	15
133	Accelerated weathering properties of compatibilized composites made from recycled <sc>HDPE</sc> and nonmetallic printed circuit board waste. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	15
134	Barrier, Biodegradation, and mechanical properties of (Rice husk)/(Montmorillonite) hybrid filler-filled low-density polyethylene nanocomposite films. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, 162-171.	3.4	15
135	Comparison of mechanical properties and thermal stability of graphene-based materials and halloysite nanotubes reinforced maleated polymer compatibilized polypropylene nanocomposites. <i>Polymer Composites</i> , 2022, 43, 1852-1863.	4.6	15
136	Effect of Ammonium Polyphosphate on Flame Retardancy, Thermal Stability, and Mechanical Properties of Unsaturated Polyester/Phenolic/Montmorillonite Nanocomposites. <i>Advances in Polymer Technology</i> , 2017, 36, 278-283.	1.7	14
137	Effects of halloysite nanotubes on the mechanical, thermal, and flammability properties of PP-g-MAH compatibilized polyethylene terephthalate/polypropylene nanocomposites. <i>Polymer Composites</i> , 2018, 39, E1554.	4.6	14
138	Effect of core-shell rubber toughening on mechanical, thermal, and morphological properties of poly(lactic acid)/multiwalled carbon nanotubes nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47756.	2.6	14
139	Kenaf fibers reinforced unsaturated polyester composites: A review. <i>Journal of Engineered Fibers and Fabrics</i> , 2021, 16, 155892502110401.	1.0	14
140	Effect of SEBS on the Mechanical Properties and Miscibility of Polystyrene Rich Polystyrene/ Polypropylene Blends. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2005, 21, 261-276.	1.8	13
141	Effect of Compatibilizer Type on Properties of 70:30 Polyamide 6/Polypropylene/MMT Nanocomposites. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2007, 56, 893-909.	3.4	13
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