

Zainal Arifin Mohd Ishak

List of Publications by Year in descending order

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49
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1,144
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361413

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1419
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of hygrothermal aging and a silane coupling agent on the tensile properties of injection molded short glass fiber reinforced poly(butylene terephthalate) composites. <i>European Polymer Journal</i> , 2001, 37, 1635-1647.	5.4	100
2	The hydrolytic effect of moisture and hygrothermal aging on poly(butylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (succinate)/org 1194-1203.	5.8	84
3	A study on the effect of pro-oxidant on the thermo-oxidative degradation behaviour of sago starch filled polyethylene. <i>Polymer Degradation and Stability</i> , 2001, 71, 381-393.	5.8	67
4	Surface-activated nanosilica treated with silane coupling agents/polypropylene composites: Mechanical, morphological, and thermal studies. <i>Polymer Composites</i> , 2011, 32, 1568-1583.	4.6	65
5	On the in-situ polymerization of cyclic butylene terephthalate oligomers: DSC and rheological studies. <i>Polymer Engineering and Science</i> , 2006, 46, 743-750.	3.1	60
6	Characterization and properties of activated nanosilica/polypropylene composites with coupling agents. <i>Polymer Composites</i> , 2009, 30, 1693-1700.	4.6	51
7	Degradation studies during water absorption, aerobic biodegradation, and soil burial of biobased thermoplastic starch from agricultural waste/polypropylene blends. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3656-3664.	2.6	38
8	Thermal behaviors and mechanical properties of halloysite nanotube-reinforced poly(lactic acid) nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 1639-1647.	3.6	36
9	Starch-grafted-polypropylene/kenaf fibres composites. Part 1: Mechanical performances and viscoelastic behaviour. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 56, 328-335.	7.6	35
10	Effect of crosslink density on the refractive index of a polysiloxane network based on 2,4,6,8-tetramethyl-2,4,6,8-tetravinylcyclotetrasiloxane. <i>Polymer International</i> , 2013, 62, 382-389.	3.1	34
11	Wettability and interfacial characterization of alkaline treated kenaf fiber-unsaturated polyester composites fabricated by resin transfer molding. <i>Polymer Composites</i> , 2017, 38, 507-515.	4.6	33
12	Properties of kenaf fiber/poly(lactic acid) biocomposites plasticized with polyethylene glycol. <i>Polymer Composites</i> , 2010, 31, 1213-1222.	4.6	32
13	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
14	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
15	Effect of hydroxyapatite filler concentration on mechanical properties of poly (methyl methacrylate) denture base. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	26
16	Organomodification of montmorillonite and its effects on the properties of poly(butylene succinate) nanocomposites. <i>Polymer Engineering and Science</i> , 2013, 53, 1947-1957.	3.1	24
17	Epoxidized natural rubber toughened poly(lactic acid)/halloysite nanocomposites with high activation energy of water diffusion. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	24
18	Flexural and Morphological Properties of Poly(Methyl Methacrylate)/ Hydroxyapatite Composites: Effects of Planetary Ball Mill Grinding Time. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 2065-2075.	3.1	22

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19	Elastic anisotropy of kenaf fibre and micromechanical modeling of nonwoven kenaf fibre/epoxy composites. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 1424-1433.	3.1	22
20	Characterization of sodium hydroxide-treated kenaf fibres for biodegradable composite application. <i>High Performance Polymers</i> , 2018, 30, 890-899.	1.8	22
21	Injection Molded Short Glass and Carbon Fibers Reinforced Polycarbonate Hybrid Composites: Effects of Fiber Loading. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 2592-2603.	3.1	21
22	Effect of different fiber loadings and sizes on pultruded kenaf fiber reinforced unsaturated polyester composites. <i>Polymer Composites</i> , 2015, 36, 1224-1229.	4.6	21
23	Water absorption behavior of different types of organophilic montmorillonite-filled polyamide 6/polypropylene nanocomposites. <i>Polymer Composites</i> , 2010, 31, 195-202.	4.6	20
24	Mechanical properties and micromechanical analysis of nonwoven kenaf fibre/epoxy composites produced by resin transfer moulding. <i>Journal of Composite Materials</i> , 2017, 51, 1875-1885.	2.4	19
25	Effect of fibre surface treatment on interfacial and mechanical properties of nonwoven kenaf fibre reinforced acrylic based polyester composites. <i>Polymer Composites</i> , 2019, 40, E214.	4.6	19
26	The effect of ambient moisture and temperature conditions on the mechanical properties of glass fiber/carbon fiber/nylon 6 sandwich hybrid composites consisting of skin-core morphologies. <i>Polymer Composites</i> , 2005, 26, 52-59.	4.6	17
27	Natural weathering studies of biobased thermoplastic starch from agricultural waste/polypropylene blends. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3237-3246.	2.6	16
28	The effect of alkalization on the mechanical and water absorption properties of nonwoven kenaf fiber/unsaturated polyester composites produced by resin-transfer molding. <i>Polymer Composites</i> , 2016, 37, 3516-3526.	4.6	16
29	Poly(lactic acid)/halloysite nanotube nanocomposites with high impact strength and water barrier properties. <i>Journal of Composite Materials</i> , 2016, 50, 3925-3934.	2.4	15
30	Effect of hybridization on the water absorption behaviour of pultruded kenaf fibre-reinforced polyester composites. <i>Composite Interfaces</i> , 2013, 20, 517-528.	2.3	13
31	Thermal, mechanical, and morphological characterization of biobased thermoplastic starch from agricultural waste/polypropylene blends. <i>Polymer Engineering and Science</i> , 2014, 54, 1357-1365.	3.1	12
32	Creep behavior of glass fibre reinforced polymer structures in crossarms transmission line towers. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	12
33	Effect of clay modification on the morphological, mechanical, and thermal properties of polyamide 6/polypropylene/montmorillonite nanocomposites. <i>Polymer Composites</i> , 2010, 31, 1156-1167.	4.6	11
34	Effects of compatibilizer and testing speed on the mechanical and morphology behaviors of co-continuous amorphous copolyester-polyoxymethylene blends. <i>Polymer Engineering and Science</i> , 2005, 45, 710-719.	3.1	9
35	A study on the effects of organoclay content and compatibilizer addition on the properties of biodegradable poly(butylene succinate) nanocomposites under natural weathering. <i>Journal of Composite Materials</i> , 2015, 49, 891-902.	2.4	9
36	Starch-grafted-polypropylene/kenaf fibres composites. Part 2: thermal stability and dynamic-mechanical response. <i>Journal of Reinforced Plastics and Composites</i> , 2015, 34, 2045-2058.	3.1	9

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37	Development of green pultruded composites using kenaf fibre: influence of linear mass density on weathering performance. <i>Journal of Cleaner Production</i> , 2016, 125, 320-330.	9.3	9
38	Experimental analysis and theoretical modeling of the mechanical behavior of starch-grafted polypropylene/kenaf fibers composites. <i>Polymer Composites</i> , 2018, 39, 3289-3299.	4.6	9
39	Effects of compatibilizers and testing speeds on the mechanical properties of organophilic montmorillonite filled polyamide 6/polypropylene nanocomposites. <i>Polymer Engineering and Science</i> , 2010, 50, 1493-1504.	3.1	8
40	Effects of Alkali Treatment on the Properties of Kenaf Fiber-Unsaturated Polyester Composites Prepared by Resin Transfer Molding. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 603, 165-172.	0.9	8
41	Mechanical, rheological and thermal properties of montmorillonite-modified polyhydroxybutyrate composites. <i>High Performance Polymers</i> , 2020, 32, 192-200.	1.8	8
42	Predicting the Tensile Modulus of Randomly Oriented Nonwoven Kenaf/Epoxy Composites. <i>Procedia Chemistry</i> , 2016, 19, 419-425.	0.7	7
43	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.	3.4	6
44	Effect of Water Absorption on the Mechanical Properties of Pultruded Kenaf Fibre Reinforced Polyester Composites. <i>Advanced Composites Letters</i> , 2011, 20, 096369351102000.	1.3	5
45	Effect of water exposure on dimensional stability and mechanical properties of unpurified and purified maleated poly(butylene succinate) compatibilised poly(butylene succinate)/kenaf bast fibre composites. <i>Composite Interfaces</i> , 2013, 20, 469-482.	2.3	5
46	Effect of ϵ -ethylenebis(stearamide) on the water absorption and hydrolytic degradation of poly(lactic acid)/halloysite nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 416-433.	4.2	4
47	Mechanical and Morphological Properties of Poly(Butylene Terephthalate)/Maleated Compatibiliser. <i>Key Engineering Materials</i> , 2017, 737, 313-319.	0.4	4
48	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.	2.6	3
49	Effect of Needle Punching Direction on Nonwoven Fiber Mat to the Mechanical Properties of Kenaf Reinforced Epoxy Composites Produced by Vacuum Assisted Resin Transfer Molding. <i>Advanced Materials Research</i> , 0, 1024, 267-270.	0.3	2