

Azhar Abu Bakar

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,145
citations

331670

21
h-index

243625

44
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65
all docs

65
docs citations

65
times ranked

1916
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of nanofillers/crosslinked polyethylene composites for cable insulation. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, E147-E154.	3.4	15
2	Mechanical, morphological, and thermal properties of kenaf filled linear low-density polyethylene/poly(vinyl alcohol) composites: Effect of chemical treatment. <i>Journal of Vinyl and Additive Technology</i> , 2018, 24, E164.	3.4	4
3	Eco-friendly coupling agent-treated kenaf/linear low-density polyethylene/poly (vinyl alcohol) composites. <i>Iranian Polymer Journal (English Edition)</i> , 2018, 27, 87-96.	2.4	10
4	Monitoring deformation mechanism of foam cells in polyethylene foams via optical microscopy: Effect of density and microstructure. <i>Journal of Cellular Plastics</i> , 2018, 54, 957-976.	2.4	7
5	Linear Low Density Polyethylene/Poly (Vinyl Alcohol)/Kenaf Composites: Effect of Natural Weathering on Functional Group, Weight Loss Characteristics, Tensile, Morphological and Thermal Properties. <i>Sains Malaysiana</i> , 2018, 47, 571-580.	0.5	5
6	Processing torque and thermal properties of kenaf (KNF) filled linear low-density polyethylene/poly (vinyl alcohol) (LLDPE/PVOH) composites with addition of 3-(trimethoxysilyl)propyl methacrylate. , 2017, , .		1
7	Degradation of linear low-density polyethylene/poly(vinyl alcohol)/kenaf composites. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 703-709.	2.4	4
8	The partial replacement of palm kernel shell by carbon black and halloysite nanotubes as fillers in natural rubber composites. , 2017, , .		2
9	Tensile Properties, Water Resistance, and Thermal Properties of Linear Low-Density Polyethylene/Polyvinyl Alcohol/Kenaf Composites: Effect of 3-(trimethoxysilyl) propyl Methacrylate (TMS) as a Silane Coupling Agent. <i>BioResources</i> , 2016, 11, .	1.0	14
10	A Study on the Curing Characteristics, Tensile, Fatigue, and Morphological Properties of Alkali-Treated Palm Kernel Shell-Filled Natural Rubber Composites. <i>BioResources</i> , 2016, 12, .	1.0	5
11	Soil Burial Study of Palm Kernel Shell-Filled Natural Rubber Composites: The Effect of Filler Loading and Presence of Silane Coupling Agent. <i>BioResources</i> , 2016, 11, .	1.0	4
12	The Effect of 3-aminopropyltrimethoxysilane (AMEO) as a Coupling Agent on Curing and Mechanical Properties of Natural Rubber/Palm Kernel Shell Powder Composites. <i>Procedia Chemistry</i> , 2016, 19, 327-334.	0.7	12
13	Production of Laminated Natural Fibre Board from Banana Tree Wastes. <i>Procedia Chemistry</i> , 2016, 19, 999-1006.	0.7	12
14	The Effect of Banana Leaves Lamination on the Mechanical Properties of Particle Board Panel. <i>Procedia Chemistry</i> , 2016, 19, 943-948.	0.7	9
15	Influence of Kenaf (KNF) Loading on Processing Torque and Water Absorption Properties of KNF-Filled Linear Low-Density Polyethylene/Poly (vinyl alcohol) (LLDPE/PVA) Composites. <i>Procedia Chemistry</i> , 2016, 19, 505-509.	0.7	5
16	Effectiveness of A Simple Image Enhancement Method in Characterizing Polyethylene Foam Morphology using Optical Microscopy. <i>Procedia Chemistry</i> , 2016, 19, 477-484.	0.7	5
17	Exploiting the Plackettâ€“Burman design to examine the formulation effect on curing characteristics of oil palm ash-filled acrylonitrile butadiene rubber compounds. <i>Iranian Polymer Journal (English)</i> Tj ETQq1 1 0.7843214 rgBT /Qverlock 10		
18	Effects of Kenaf Loading on Processability and Properties of Linear Low-Density Polyethylene/Poly (Vinyl Alcohol)/Kenaf Composites. <i>BioResources</i> , 2015, 10, .	1.0	14

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19	Characterization of oil palm ash (OPA) and thermal properties of OPA-filled natural rubber compounds. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 13-27.	1.5	17
20	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
21	Characterization and Properties of Pretreatment Effect on Oil Palm Ash Filled Natural Rubber Vulcanizates. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 123-129.	1.9	1
22	Mechanical, thermal and water absorption behavior of hollow epoxy particle-filled polyester composites. <i>Journal of Composite Materials</i> , 2014, 48, 1725-1733.	2.4	2
23	Mechanical and thermal properties improvement of nano calcium carbonate-filled epoxy/glass fiber composite laminates. <i>High Performance Polymers</i> , 2014, 26, 223-229.	1.8	27
24	Chemically modified oil palm ash-filled natural rubber composites and its properties. <i>Polymer Composites</i> , 2014, 35, 691-697.	4.6	3
25	Curing characteristics, mechanical, morphological, and swelling assessment of liquid epoxidized natural rubber coated oil palm ash reinforced natural rubber composites. <i>Polymer Testing</i> , 2014, 33, 145-151.	4.8	23
26	Thermal properties and aging characteristics of chemically modified oil palm ash-filled natural rubber composites. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 723-730.	2.4	12
27	Study on the ageing characteristics of oil palm ash reinforced natural rubber composites by introducing a liquid epoxidized natural rubber coating technique. <i>Polymer Testing</i> , 2014, 37, 156-162.	4.8	26
28	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
29	Mechanical and water absorption behaviors of carbon nanotube reinforced epoxy/glass fiber laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 1715-1721.	3.1	37
30	A comparative study of aging characteristics and thermal stability of oil palm ash, silica, and carbon black filled natural rubber vulcanizates. <i>Journal of Applied Polymer Science</i> , 2013, 130, 4474-4481.	2.6	9
31	Optimisation of oil palm ash as reinforcement in natural rubber vulcanisation: A comparison between silica and carbon black fillers. <i>Polymer Testing</i> , 2013, 32, 625-630.	4.8	40
32	Synergistic effect of oil palm ash filled natural rubber compound at low filler loading. <i>Polymer Testing</i> , 2013, 32, 38-44.	4.8	42
33	Properties of Kenaf Bast Powder-Filled High Density Polyethylene/Ethylene Propylene Diene Monomer Composites. <i>BioResources</i> , 2013, 8, .	1.0	4
34	The Effect of Hydrochloric Acid Treatment on Properties of Oil Palm Ash-filled Natural Rubber Composites. <i>BioResources</i> , 2013, 8, .	1.0	8
35	Electron beam irradiation of sulphur vulcanised ethylene propylene diene monomer (EPDM) nanocomposites reinforced by halloysite nanotubes. <i>Plastics, Rubber and Composites</i> , 2012, 41, 430-440.	2.0	5
36	The Comparison Effect of Sorbitol and Glycerol as Plasticizing Agents on the Properties of Biodegradable Polyvinyl Alcohol/Rambutan Skin Waste Flour Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 432-437.	1.9	22

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37	Effect of water absorption on pultruded jute/glass fiber-reinforced unsaturated polyester hybrid composites. <i>Journal of Composite Materials</i> , 2012, 46, 51-61.	2.4	110
38	Effect of interlocking between porous epoxy microparticles and elastomer on mechanical properties and deformation modes. <i>Polymer Testing</i> , 2012, 31, 931-937.	4.8	6
39	Properties of the crosslinked plasticized biodegradable poly(vinyl alcohol)/rambutan skin waste flour blends. <i>Journal of Applied Polymer Science</i> , 2012, 125, 1127-1135.	2.6	23
40	Properties of Pultruded Jute Fiber Reinforced Unsaturated Polyester Composites. <i>Advanced Composite Materials</i> , 2011, 20, 231-244.	1.9	22
41	Preparation of poly(methyl methacrylate) and polystyrene-composite-filled porous epoxy microparticles via in-situ suspension polymerization. <i>Polymer Testing</i> , 2011, 30, 841-847.	4.8	4
42	Porous epoxy microparticles prepared by an advanced aqueous method. <i>Materials Letters</i> , 2011, 65, 1655-1658.	2.6	8
43	Influence of acetylation on the tensile properties, water absorption, and thermal stability of (High-density polyethylene)/(soya powder)/(kenaf core) composites. <i>Journal of Vinyl and Additive Technology</i> , 2011, 17, 132-137.	3.4	28
44	Effects of jackfruit waste flour on the properties of poly(vinyl alcohol) film. <i>Journal of Vinyl and Additive Technology</i> , 2011, 17, 198-208.	3.4	26
45	Degradation of dynamic mechanical properties of pultruded kenaf fiber reinforced composites after immersion in various solutions. <i>Composites Part B: Engineering</i> , 2011, 42, 71-76.	12.0	79
46	Woven hybrid composites: Tensile and flexural properties of oil palm-woven jute fibres based epoxy composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5190-5195.	5.6	218
47	Advanced hollow epoxy particle-filled composites. <i>Journal of Composite Materials</i> , 2011, 45, 2287-2299.	2.4	3
48	Hybrid composites of oil palm empty fruit bunches/woven jute fiber: chemical resistance, physical, and impact properties. <i>Journal of Composite Materials</i> , 2011, 45, 2515-2522.	2.4	29
49	Preparation and Properties of Biodegradable Polymer Film Based on Polyvinyl Alcohol and Tropical Fruit Waste Flour. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 705-711.	1.9	20
50	Mechanical performance of oil palm empty fruit bunches/jute fibres reinforced epoxy hybrid composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 7944-7949.	5.6	181
51	Mechanical properties of particulate filler/woven glass fabric filled vinyl ester composites. <i>Journal of Vinyl and Additive Technology</i> , 2010, 16, 98-104.	3.4	19
52	Kenaf Core Reinforced High-density Polyethylene/Soya Powder Composites: The Effects of Filler Loading and Compatibilizer. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 2489-2497.	3.1	30
53	EPDM/modified halloysite nanocomposites. <i>Applied Clay Science</i> , 2010, 48, 405-413.	5.2	202
54	Production of novel epoxy micro-balloons. <i>Materials Letters</i> , 2009, 63, 827-829.	2.6	11

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55	The partial replacement of silica or calcium carbonate by halloysite nanotubes as fillers in ethylene propylene diene monomer composites. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3910-3919.	2.6	41
56	Influence of maleic anhydride grafted ethylene propylene diene monomer (MAH-g-EPDM) on the properties of EPDM nanocomposites reinforced by halloysite nanotubes. <i>Polymer Testing</i> , 2009, 28, 548-559.	4.8	135
57	The effects of dynamic vulcanization and compatibilizer on properties of paper sludge-filled polypropylene/ethylene propylene diene terpolymer composites. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2266-2273.	2.6	9
58	Morphological, thermal and tensile properties of halloysite nanotubes filled ethylene propylene diene monomer (EPDM) nanocomposites. <i>Polymer Testing</i> , 2008, 27, 841-850.	4.8	309
59	Properties of Banana and Pandanus Woven Fabric Reinforced Unsaturated Polyester Composites. <i>Journal of Composite Materials</i> , 2008, 42, 931-941.	2.4	79
60	The Effect of Carbon Black on the Properties of Magnetic Ferrite Filled Natural Rubber Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2008, 27, 1893-1908.	3.1	13
61	An investigation of the potential of rice husk ash as a filler for epoxidized natural rubber-II. Fatigue behaviour. <i>European Polymer Journal</i> , 1997, 33, 73-79.	5.4	36
62	Investigation on Improvement of Mechanical Properties of Kenaf / E-Glass Fiber Composites by Mercerization Process. <i>Key Engineering Materials</i> , 0, 471-472, 227-232.	0.4	1
63	Dynamic Mechanical Properties and Tensile Behavior of Oil Palm Ash Filled Natural Rubber Vulcanizates. <i>Advanced Materials Research</i> , 0, 844, 305-308.	0.3	0
64	Effect of Chemical Treatment on the Mechanical Properties of Pultruded Kenaf Fibre Reinforced Polyester Composites. <i>Key Engineering Materials</i> , 0, 594-595, 691-695.	0.4	6