

Rosniza Hamzah

List of Publications by Year in descending order

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66
papers

429
citations

932766

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66
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	A structural study of epoxidized natural rubber (ENR-50) ring opening under mild acidic condition. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	50
2	Synthesis and structural studies of an epoxidized natural rubber/titania (ENR-50/TiO ₂) hybrid under mild acid conditions. <i>Polymer Testing</i> , 2018, 65, 10-20.	2.3	47
3	A Structural Study of Epoxidized Natural Rubber (ENR-50) and Its Cyclic Dithiocarbonate Derivative Using NMR Spectroscopy Techniques. <i>Molecules</i> , 2012, 17, 10974-10993.	1.7	45
4	NMR study of ring opening reaction of epoxidized natural rubber in presence of potassium hydroxide/isopropanol solution. <i>Polymer Testing</i> , 2017, 59, 55-66.	2.3	44
5	Insight on the structural aspect of ENR-50/TiO ₂ hybrid in KOH/C ₃ H ₈ O medium revealed by NMR spectroscopy. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2400-2413.	2.3	36
6	Characterization and properties of low-linear-density polyethylene/Typha latifolia composites. <i>International Journal of Polymer Analysis and Characterization</i> , 2016, 21, 590-598.	0.9	32
7	The Influences NaOH Treatment on Polypropylene/Cyperus Odoratus (PP/CY) Composites: Tensile and Morphology. <i>Journal of Physics: Conference Series</i> , 2018, 1019, 012057.	0.3	27
8	Slow Release Material from Epoxidized Natural Rubber and Rice Husk Composites for Agriculture Applications. <i>Journal of Physics: Conference Series</i> , 2018, 1019, 012063.	0.3	24
9	Chemical and Hydrophobic Properties of PLA/HNTs-ZrO ₂ Bionanocomposites. <i>Journal of Physics: Conference Series</i> , 2018, 1019, 012065.	0.3	21
10	The Effects of Trans-Polyoctylene Rubber (TOR) as a Compatibilizer on The Properties of Epoxidized Natural Rubber/Recycled Silicone Catheter (ENR-25/rSC) Vulcanizate. <i>MATEC Web of Conferences</i> , 2016, 78, 01076.	0.1	16
11	The Effects of Tensile Properties of PLA/HNTs-ZrO ₂ Bionanocomposites. <i>Journal of Physics: Conference Series</i> , 2018, 1019, 012066.	0.3	9
12	Sawdust Short Fiber Reinforced Epoxidized Natural Rubber: Insight on Its Mechanical, Physical, and Thermal Aspects. <i>Journal of Renewable Materials</i> , 2020, 8, 1633-1645.	1.1	8
13	Kinetic Parameters of Non-Isothermal Thermogravimetric Non-Catalytic and Catalytic Pyrolysis of Empty Fruit Bunch with Alumina by Kissinger and Ozawa Methods. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 318, 012019.	0.3	7
14	Properties of Natural Rubber/Styrene Butadiene Rubber/Recycled Nitrile Glove (NR/SBR/rNBRg) Blends: The Effects of Recycled Nitrile Glove (rNBRg) Particle Sizes. <i>Key Engineering Materials</i> , 0, 673, 151-160.	0.4	6
15	Effect of Temperature on the Behavior of Slow Release Fertilizer from ENR-50/RH/Urea Composites. <i>Materials Science Forum</i> , 0, 1021, 308-316.	0.3	6
16	The Influences of Zirconium Dioxide on ENR-25/ZrO ₂ Composites: FTIR and TGA Analysis. <i>Journal of Physics: Conference Series</i> , 2018, 1019, 012055.	0.3	5
17	Metal Oxide and Activated Carbon as Photocatalyst for Waste Water Treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 557, 012066.	0.3	4
18	The Influence of Cure Characteristics and Crosslink Density of Virgin Acrylonitrile Butadiene Rubber/Recycled Acrylonitrile Butadiene Rubber (vNBR/rNBR) Blends. <i>Key Engineering Materials</i> , 0, 594-595, 735-739.	0.4	3

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19	Effect of Recycled Nitrile Glove (rNBRg) Particle Sizes on Curing Characteristics and Physical Properties of Natural Rubber/Styrene Butadiene Rubber/Recycled Nitrile Glove (NR/SBR/rNBRg) Blends. Applied Mechanics and Materials, 0, 815, 54-58.	0.2	3
20	The Properties of Linear Low Density Polyethylene/Cyperus Odoratus (LLDPE/CY) Blends: Effect of Sodium Hydroxide. Applied Mechanics and Materials, 0, 815, 69-73.	0.2	3
21	Recycled Natural Rubber Latex Gloves Filled Chloroprene Rubber: Effects of Compatibilizers. Journal of Physics: Conference Series, 2018, 1019, 012067.	0.3	3
22	Preparation of Cyclopentyl Trisilanol Silsesquioxanes - Modified Natural Rubber (CpSSQ(OH) ₃ ENR-50) Composite Hybrid in the Presence of HCL Acid. Advanced Materials Research, 2013, 795, 251-255.	0.3	2
23	Effects of Sodium Hydroxide Treatment on LLDPE/DS Composites: Tensile Properties and Morphology. Journal of Physics: Conference Series, 2018, 1019, 012061.	0.3	2
24	Effects of Date Seeds Size and Loading on Properties of Linear Low-Density Polyethylene/Date Seeds Powder Composites. Journal of Physics: Conference Series, 2018, 1019, 012060.	0.3	2
25	Studies of ENR-25/TiO ₂ Composites for Electronic Materials Packaging Applications. Journal of Physics: Conference Series, 2018, 1019, 012054.	0.3	2
26	The Effects of Different Rice Husk Loading and Size on The Properties of Standard Malaysian Rubber / Rice Husk Composites. Journal of Physics: Conference Series, 2018, 1019, 012091.	0.3	2
27	Slow Release Fertilizer from Treated Rice Straw/Urea Beads Coated With Natural Rubber: FTIR and UV-Vis Analysis. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012068.	0.3	2
28	Modification of Polylactic Acid/ Halloysite Bionanocomposites Using Electron Beam Radiation: Physical, Barrier and Thermal Properties. Materials Science Forum, 0, 1002, 57-65.	0.3	2
29	Impact strength of LDPE/RH composites for industrial injection moulded parts. AIP Conference Proceedings, 2020, , .	0.3	2
30	Flexural properties of rice husk (Oryza sativa) reinforced low density polyethylene composites for industrial injection moulded parts. AIP Conference Proceedings, 2020, , .	0.3	2
31	The Structural Studies of Oxirane Ring Opening Reaction in Epoxidized Natural Rubber (ENR-50) by SnCl ₂ .2H ₂ O and the Formation of ENR/TiN Complex Hybrid. Advanced Materials Research, 2012, 626, 727-737.	0.3	1
32	The Effect of Cyperus Odoratus Size and Loading on the Properties of Polypropylene/Cyperus Odoratus (PP/CY) Composites. Journal of Physics: Conference Series, 2018, 1019, 012056.	0.3	1
33	Optimization of shrinkage on thick plate plastic part by using particle swarm optimization (PSO). AIP Conference Proceedings, 2018, , .	0.3	1
34	LDPE/paddy straw biocomposite: The effect of filler loading. , 2018, , .		1
35	A slow release fertilizer from urea and rice straw coated by ENR-50 for agricultural application. AIP Conference Proceedings, 2018, , .	0.3	1
36	Identification of timber material defect using VIA on selected traditional Malay house: Case study on Tuan Hj Hashim Itam (Kerani) historical house at Penang, Malaysia. AIP Conference Proceedings, 2020, , .	0.3	1

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37	Flexural and morphology properties of rHDPE/BF composites: Effect of surface modification of bamboo filler by NaOH treatment. AIP Conference Proceedings, 2020, , .	0.3	1
38	The effects of ionic liquid (ILs) as additive on recycled high-density polyethylene reinforced bamboo filler composites. AIP Conference Proceedings, 2020, , .	0.3	1
39	Tensile and Morphology Properties of PLA/MMT-TiO ₂ Bionanocomposites. Defect and Diffusion Forum, 2020, 398, 131-135.	0.4	1
40	PLA/MMT-TiO ₂ Bionanocomposites: Chemical Structure and Surface Wettability. Defect and Diffusion Forum, 2020, 398, 136-139.	0.4	1
41	Flexural and impact properties of rHDPE/BF composites in presence of ionic liquid (ILs). AIP Conference Proceedings, 2020, , .	0.3	1
42	VISITORS PERSPECTIVES TOWARDS THE CONSERVATION OF HERITAGE BUILDING: THE CASE STUDY OF GURNEY PARAGON MALL, PENANG. Planning Malaysia, 2018, 16, .	0.2	1
43	Properties of Natural Rubber/Ethylene Propylene Diene Monomer/Recycled Latex Catheter (NR/EPDM/rLC) Ternary Blends: Cure Characteristics and Hardness. Key Engineering Materials, 2013, 594-595, 725-729.	0.4	0
44	Mechanical and morphological study of linear low density polyethylene (LLDPE)/cyperus odoratus (CY) biocomposites. , 2017, , .		0
45	Curing characteristics tensile and physical properties of rice straw filled standard Malaysian rubber. Journal of Physics: Conference Series, 2017, 908, 012071.	0.3	0
46	The properties of linear low density polyethylene (LLDPE)/cyperus odoratus (CY) biocomposite: Effects of natural weathering. AIP Conference Proceedings, 2017, , .	0.3	0
47	Optimization of shrinkage on thick plate plastic part by using genetic algorithm (GA). AIP Conference Proceedings, 2018, , .	0.3	0
48	Optimization of shrinkage on thick plate plastic part by using response surface methodology (RSM). AIP Conference Proceedings, 2018, , .	0.3	0
49	Sawdust Flour Reinforced Epoxidized Natural Rubber: Effect Of Trans-Polyoctylene Rubber on Curing Characteristics and Tensile Properties. Journal of Physics: Conference Series, 2018, 1019, 012090.	0.3	0
50	The effects of different content and size of date seeds filler on thermal properties of LLDPE/date seeds (DS) composites. AIP Conference Proceedings, 2018, , .	0.3	0
51	Study of fillers treatment using NaOH on the thermal properties of LLDPE/date seeds (DS) composites. AIP Conference Proceedings, 2018, , .	0.3	0
52	The Effect of Epoxidized Natural Rubber as A Compatibilizer on the Properties of Standard Malaysian Rubber/Ethylene Propylene Diene Monomer Blends. Journal of Physics: Conference Series, 2018, 1019, 012068.	0.3	0
53	The Effects of SMR L Content on the Properties of ENR-25 / RSC Compounds. Journal of Physics: Conference Series, 2018, 1019, 012058.	0.3	0
54	New Slow Release Fertilizer from ENR-50/RH/Urea Composites: Effect of Sodium Chloride Concentration. Journal of Physics: Conference Series, 2018, 1019, 012062.	0.3	0

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55	The effects of different bamboo filler loading on HDPE/BF composites and rHDPE/BF composites: Flexural and morphology. AIP Conference Proceedings, 2020, , .	0.3	0
56	Tailoring Polylactic Acid Properties for Packaging Applications: Effects of Coâ€Addition of Halloysite Nanotubes and Selected Plasticizers. Materials Science Forum, 0, 1002, 47-56.	0.3	0
57	UV-visible performance of urea beads coated with banana peels bioplastic and epoxidized natural rubber. AIP Conference Proceedings, 2020, , .	0.3	0
58	Preparation coated of urea beads from banana peel bioplastic and epoxidized natural rubber 50. AIP Conference Proceedings, 2020, , .	0.3	0
59	The influences of soil burial assessment on linear low-density polyethylene/Cyperus odoratus biocomposite. AIP Conference Proceedings, 2020, , .	0.3	0
60	The effects of electron beam irradiation on LLDPE/CY biocomposites: Tensile and morphology properties. AIP Conference Proceedings, 2020, , .	0.3	0
61	Surface modification of bamboo filler by acid treatment on flexural and morphology rHDPE/BF composites. AIP Conference Proceedings, 2020, , .	0.3	0
62	Current method on spalling repair work in ages building. AIP Conference Proceedings, 2020, , .	0.3	0
63	The effects on different date seeds loading and size of LLDPE/Date seeds composites: Flexural properties and impact strength. AIP Conference Proceedings, 2020, , .	0.3	0
64	FTIR and gel content analyses of LLDPE/Date seeds composites. AIP Conference Proceedings, 2020, , .	0.3	0
65	Mechanical properties of rice husk (Oryza sativa) reinforced low density polyethylene composites for industrial injection moulded parts. , 2020, , .		0
66	The influence of alkali treatment on date seeds powder reinforced LLDPE composites: Flexural properties and impact strength. AIP Conference Proceedings, 2020, , .	0.3	0