

Noraiham Mohamad

List of Publications by Year in descending order

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60
papers

402
citations

758635

12
h-index

839053

18
g-index

60
all docs

60
docs citations

60
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical and Morphological Properties of Polypropylene/Epoxidized Natural Rubber Blends at Various Mixing Ratio. <i>Procedia Engineering</i> , 2013, 68, 439-445.	1.2	30
2	Effect of Carbon Nanotubes Loading in Multifiller Polymer Composite as Bipolar Plate for PEM Fuel Cell. <i>Procedia Chemistry</i> , 2016, 19, 91-97.	0.7	29
3	Characterization of Urea Encapsulated by Biodegradable Starch-PVA-Glycerol. <i>Journal of Polymers and the Environment</i> , 2013, 21, 1083-1087.	2.4	25
4	Epoxidized natural rubber-alumina nanoparticle composites: Optimization of mixer parameters via response surface methodology. <i>Journal of Applied Polymer Science</i> , 2010, 115, 183-189.	1.3	23
5	Effects of EPDM-g-MAH compatibilizer and internal mixer processing parameters on the properties of NR/EPDM blends: An analysis using response surface methodology. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	21
6	Effects of poly(ethyleneimine) adsorption on graphene nanoplatelets to the properties of NR/EPDM rubber blend nanocomposites. <i>Journal of Materials Science</i> , 2015, 50, 6365-6381.	1.7	20
7	Boric acid modified starch polyvinyl alcohol matrix for slow release fertilizer. <i>E-Polymers</i> , 2016, 16, 151-158.	1.3	20
8	Application of response surface methodology for optimizing the oxidative stability of natural ester oil using mixed antioxidants. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017, 24, 974-983.	1.8	19
9	Effects of filler calcination on structure and dielectric properties of polyethylene/silica nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019, 26, 284-291.	1.8	17
10	Effects of accelerators on the cure characteristics and mechanical properties of natural rubber compounds. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015, 12, 2954-2966.	0.5	17
11	Correlation of Filler Loading and Silane Coupling Agent on the Physical Characteristics of Epoxidized Natural Rubber-Alumina Nanoparticles Composites. <i>Journal of Elastomers and Plastics</i> , 2010, 42, 331-346.	0.7	15
12	Effects of epoxidized natural rubber (ENR50) and processing parameters on the properties of NR/EPDM blends using response surface methodology. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	15
13	Vibrational damping behaviors of graphene nanoplatelets reinforced NR/EPDM nanocomposites. <i>Journal of Mechanical Engineering and Sciences</i> , 2017, 11, 3274-3287.	0.3	15
14	Morphological and Mechanical Properties of Polypropylene/Epoxidized Natural Rubber Thermoplastic Vulcanizates Treated with Maleic Anhydride-Grafted Polypropylene. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1305-1315.	0.5	14
15	The Effect of Pulse DC and DC Substrate Bias during in situ Cleaning PVD Process on Surface Roughness. <i>Procedia Engineering</i> , 2013, 53, 562-568.	1.2	12
16	Effect of recycled carbon fiber reinforcement on the wear behavior of epoxy composite. <i>Journal of Materials Research</i> , 2016, 31, 1900-1907.	1.2	12
17	A Sustainable Polymer Composite from Recycled Polypropylene Filled with Shrimp Shell Waste. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 167-172.	1.9	11
18	Correlation of wear characteristics with hardness of recycled carbon fiber prepreg reinforced polypropylene composites. <i>Journal of Materials Research</i> , 2016, 31, 1908-1913.	1.2	10

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19	Processability of polypropylene/multiwalled carbon nanotube nanocomposites via direct melt compounding. <i>Journal of Elastomers and Plastics</i> , 2013, 45, 239-251.	0.7	7
20	Wear Behaviour of Cryogenic Treated Recycled Carbon Fibers Filled Epoxy Composite. <i>Applied Mechanics and Materials</i> , 0, 761, 489-493.	0.2	6
21	Acoustic Benefits of Ecofriendly Spent Tea Leaves Filled Porous Material. <i>Key Engineering Materials</i> , 0, 739, 125-134.	0.4	6
22	Surface Roughness Optimization in Drilling Process Using Response Surface Method (RSM). <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 66, .	0.3	5
23	NR/EPDM elastomeric rubber blend miscibility evaluation by two-level fractional factorial design of experiment. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	5
24	Dispersion Stability of Graphene Nanoplatelets (GNPs) and Noncovalent-Functionalization of GNPs with Chitosan in Ethanol. <i>Applied Mechanics and Materials</i> , 0, 761, 447-451.	0.2	5
25	Effect of Chitosan Gelatinization Temperature on Water Absorption and Water Retention of Chitosan-Based Urea Fertilizer. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1357-1366.	0.5	5
26	Mechanical Properties of Short Fiber and Non-Woven Kenaf Reinforced Polypropylene Composites: Effects of Oil Palm Shell Powder Addition. <i>Applied Mechanics and Materials</i> , 0, 815, 111-115.	0.2	4
27	Facile Surface Modification of Graphene Nanoplatelets (GNPs) Using Covalent APTS-Dehydration (GNPs-ATPS) and Non-Covalent Polyetherimide Adsorption (GNPs-PEI) Method. <i>Applied Mechanics and Materials</i> , 0, 761, 391-396.	0.2	4
28	Nanostructuring Ultra-thin Co Films to Active Catalyst Particles for Vertically Aligned Single-walled CNT Growth. <i>Procedia Engineering</i> , 2013, 68, 566-571.	1.2	3
29	Electrically conductive aluminum oxide thin film used as cobalt catalyst-support layer in vertically aligned carbon nanotube growth. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2015, 6, 045008.	0.7	3
30	Potential of Epoxidized Natural Rubber (ENR) as Hydrophobicity Contributor in Chitosan-Urea Fertilizer. <i>Applied Mechanics and Materials</i> , 0, 761, 536-541.	0.2	3
31	EFFECT OF CNTS ON THE ELECTRICAL AND MECHANICAL PROPERTIES OF POLYMERIC COMPOSITE AS PEM FUEL CELL BIPOLAR PLATE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018, 80, .	0.3	3
32	Non-Covalent Polymeric Wrapping of IGEPAL C0890 for Graphene Nanoplatelets (GNPs-C0890) Filled NR/EPDM Rubber Blend Nanocomposites. <i>Applied Mechanics and Materials</i> , 0, 761, 385-390.	0.2	2
33	Electrophoretic Deposition and Heat Treatment of Steel-Supported PVDF-Graphite Composite Film. <i>Applied Mechanics and Materials</i> , 0, 761, 412-416.	0.2	2
34	Mechanical Properties of Rubber Mat Compound via Two Factors Modelling Using Response Surface Methodology. <i>Applied Mechanics and Materials</i> , 0, 761, 358-363.	0.2	2
35	Effect of Nanofiller Calcination on Breakdown Performance of Silica Based Polyethylene Nanocomposites. , 2018, , .		2
36	Effect of Nanofiller Calcination on Breakdown Performance of Zirconia Based Polyethylene Nanocomposites. , 2018, , .		2

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37	Hardness of Laminated Composite for Different Angle Cured Positions under Influence of Gravity Effects. Applied Mechanics and Materials, 2013, 446-447, 1566-1569.	0.2	1
38	Water Absorption and Thickness Swelling of Laminated Composite after Cured at Different Angle. Applied Mechanics and Materials, 0, 465-466, 86-90.	0.2	1
39	Tensile Behavior of Polypropylene Reinforced with Comminutes Extracted from Out-of-Condition Aerospace Grade Carbon Fiber Prepreg Waste. Applied Mechanics and Materials, 0, 761, 526-530.	0.2	1
40	Green Magnetic Composite Sheet from Durian Shell and Nano-Magnetite Particles. Applied Mechanics and Materials, 0, 761, 515-519.	0.2	1
41	Effect of Neodymium and Samarium on the Properties of Bismuth Titanate Ceramics. Applied Mechanics and Materials, 0, 761, 397-401.	0.2	1
42	DC Breakdown Performance of Silica and Zirconia Based Polyethylene Nanocomposites. , 2018, , .		1
43	Cure characteristics, mechanical properties and back face signature of ballistic rubber trauma pack. International Journal of Nanotechnology, 2019, 16, 715.	0.1	1
44	Brief Review on Potential Production of Plastic Waste Concrete Aggregates Using Water-Assisted Melt Compounding. Lecture Notes in Mechanical Engineering, 2022, , 523-532.	0.3	1
45	Surface Energy and Crystallite Size Comparisons by Applying Direct Current and Pulse Direct Current on Substrate Bias in PVD Process. Applied Mechanics and Materials, 2013, 315, 98-102.	0.2	0
46	Functionalisation of ethylene-propylene copolymer by melt grafting of maleic anhydride using a high shear internal mixer. Materials Research Innovations, 2014, 18, S6-36-S6-42.	1.0	0
47	Correlation between Process Parameters with Flexural Properties of Hybrid Glass/Jute Fibre Reinforced Epoxy Composite Fabricated via Vacuum Infusion Technique. Applied Mechanics and Materials, 0, 761, 531-535.	0.2	0
48	The Implementation of Product Architecture in Developing Conceptual Design for Passive Grease Trap. Applied Mechanics and Materials, 0, 761, 636-640.	0.2	0
49	Fabrication of Activated Carbon Filled Epoxidized Natural Rubber Composite Using Solvent Casting Method. Applied Mechanics and Materials, 0, 761, 426-430.	0.2	0
50	Cure Characteristics of Natural Rubber/EPDM Blends for the Effect of MAH Grafted EPM and Compounding Parameters via Response Surface Methodology. Applied Mechanics and Materials, 0, 761, 441-446.	0.2	0
51	Compressive properties of green rubber foam from reclaimed rubber glove. International Journal of Materials and Product Technology, 2016, 53, 252.	0.1	0
52	Effect of formation temperature on properties of graphite/stannum composite for bipolar plate. AIP Conference Proceedings, 2016, , .	0.3	0
53	Slow Release of Urea Encapsulated by Starch PVA Matrix. Key Engineering Materials, 0, 707, 28-31.	0.4	0
54	Wear characteristics of recycled carbon fibre-filled polypropylene composites via acidic surface treatment. World Review of Science, Technology and Sustainable Development, 2018, 14, 165.	0.3	0

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55	INFLUENCE OF SONICATION ASSISTED DISPERSION METHOD ON THE MECHANICAL AND ELECTRICAL PROPERTIES OF NYLON 66/NANO-COPPER NANOCOMPOSITE. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	0
56	Mechanical Properties and Fracture Morphological Observation of Recycled Polypropylene (rPP) Filled Dried Banana Leaves Fibre (DBLF) Composites: Effects of Sodium Hydroxide (NaOH) Surface Treatment. Lecture Notes in Mechanical Engineering, 2020, , 353-360.	0.3	0
57	Tensile, Flexural and Fracture Morphological Properties of Recycled Polypropylene (rPP) Filled Dried Banana Leaves Fibre (DBLF) Composites: Effects of DBLF Loadings. Lecture Notes in Mechanical Engineering, 2020, , 609-618.	0.3	0
58	Surface Modification of Graphene Nanoplatelets (GNP) Towards Preparation of Natural/Synthetic Rubber Blend Nanocomposites. , 2020, , 67-89.		0
59	Graphene Nanoplatelets Modified Chemlok® Adhesive System for Natural Rubber “ Aluminium Bonded Component in Engine Mount. International Journal of Automotive and Mechanical Engineering, 2022, 19, 9530-9542.	0.5	0
60	Degradation of swollen NR/EPDM filled with graphene nanoplatelets in different types of service oils for engine mounting. International Journal of Materials and Product Technology, 2022, 64, 338.	0.1	0