

Muhammad Remanul Islam

List of Publications by Year in descending order

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52
papers

2,102
citations

393982

19
h-index

243296

44
g-index

54
all docs

54
docs citations

54
times ranked

2078
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyurethane types, synthesis and applications – a review. RSC Advances, 2016, 6, 114453-114482.	1.7	1,036
2	Development of vegetable-oil-based polymers. Journal of Applied Polymer Science, 2014, 131, .	1.3	156
3	Recent advancements in synthesis, properties, and applications of conductive polymers for electrochemical energy storage devices: A review. Polymer Engineering and Science, 2022, 62, 269-303.	1.5	67
4	Crystalline morphology and properties of multi-walled carbon nanotube filled isotactic polypropylene nanocomposites: Influence of filler size and loading. Composites Part A: Applied Science and Manufacturing, 2013, 52, 70-79.	3.8	45
5	Mechanical, structural, thermal and morphological properties of epoxy composites filled with chicken eggshell and inorganic CaCO ₃ particles. Polymer Bulletin, 2020, 77, 805-821.	1.7	42
6	Characterization of alkali-treated kenaf fibre-reinforced recycled polypropylene composites. Journal of Thermoplastic Composite Materials, 2014, 27, 909-932.	2.6	36
7	Alkyd Based Resin from Non-drying Oil. Procedia Engineering, 2014, 90, 78-88.	1.2	34
8	Dissimilar welding of A7075-T651 and AZ31B alloys by gas metal arc plug welding method. International Journal of Advanced Manufacturing Technology, 2017, 88, 2773-2783.	1.5	34
9	Structures and properties of injection-molded biodegradable poly(lactic acid) nanocomposites prepared with untreated and treated multiwalled carbon nanotubes. Polymer Engineering and Science, 2014, 54, 317-326.	1.5	32
10	Optimal performances of ultrasound treated kenaf fiber reinforced recycled polypropylene composites as demonstrated by response surface method. Journal of Applied Polymer Science, 2013, 128, 2847-2856.	1.3	28
11	Effects of nanosilica, zinc oxide, titanium oxide on the performance of epoxy hybrid nanocoating in presence of rubber latex. Polymer Testing, 2018, 70, 197-207.	2.3	28
12	The effects of sintering on the properties of epoxy composites reinforced with chicken bone-based hydroxyapatites. Polymer Testing, 2019, 78, 105987.	2.3	28
13	Preparation and characterization of natural silk fiber-reinforced polypropylene and synthetic E-glass fiber-reinforced polypropylene composites: a comparative study. Journal of Composite Materials, 2011, 45, 2301-2308.	1.2	27
14	Characterization of oil palm empty fruit bunch and glass fibre reinforced recycled polypropylene hybrid composites. Fibers and Polymers, 2014, 15, 1523-1530.	1.1	25
15	Characterization of microwave-treated oil palm empty fruit bunch/glass fibre/polypropylene composites. Journal of Thermoplastic Composite Materials, 2017, 30, 986-1002.	2.6	25
16	Preparation and Characterization of Poly(lactic acid)-Based Composites Reinforced with Poly Dimethyl Siloxane/Ultrasound-Treated Oil Palm Empty Fruit Bunch. Polymer-Plastics Technology and Engineering, 2015, 54, 1321-1333.	1.9	24
17	Mechanical and thermal properties of snail shell particles-reinforced bisphenol-A bio-composites. Polymer Bulletin, 2020, 77, 2573-2589.	1.7	24
18	Mechanical, structural, thermal and morphological properties of a protein (fish scale)-based bisphenol-A composites. Polymer Testing, 2019, 74, 7-13.	2.3	23

#	ARTICLE	IF	CITATIONS
19	Fibre surface modifications through different treatments with the help of design expert software for natural fibre-based biocomposites. <i>Journal of Composite Materials</i> , 2014, 48, 1887-1899.	1.2	22
20	Effects of poly(dimethyl siloxane) on the water absorption and natural degradation of poly(lactic acid) based epoxy composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	22
21	Effect of Accelerated Weathering on Physico-Mechanical Properties of Polylactide Bio-Composites. <i>Journal of Polymers and the Environment</i> , 2019, 27, 942-955.	2.4	22
22	Mechanical and thermal properties of fishbone-based epoxy composites: The effects of thermal treatment. <i>Polymer Composites</i> , 2021, 42, 1224-1234.	2.3	22
23	Dispersion of montmorillonite nanoclays and their effects on the thermomechanical, structural and drying properties of palm oil based coating. <i>Progress in Organic Coatings</i> , 2016, 91, 17-24.	1.9	19
24	The effects of wettability, shear strength, and Weibull characteristics of fiber-reinforced poly(lactic acid) based epoxy composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	0.6	18
25	Effects of variation of steric repulsion between multiwall carbon nanotubes and anionic surfactant in epoxy nanocomposites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46883.	1.3	18
26	Rheological and antimicrobial properties of epoxy-based hybrid nanocoatings. <i>Polymer Testing</i> , 2020, 81, 106202.	2.3	18
27	Recent advances of the graphite exfoliation processes and structural modification of graphene: a review. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	17
28	Acid-Based Surfactant-Aided Dispersion of Multi-Walled Carbon Nanotubes in Epoxy-Based Nanocomposites. <i>Polymer Engineering and Science</i> , 2019, 59, E80.	1.5	16
29	The effects of anionic surfactant on the mechanical, thermal, structure and morphological properties of epoxy-MWCNT composites. <i>Polymer Bulletin</i> , 2019, 76, 5919-5938.	1.7	15
30	Characterization of multiwalled carbon nanotube filled, palm oil-based polyalkyds: Effects of loading and <i>in situ</i> reaction. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	14
31	Effects of nanosilica and titanium oxide on the performance of epoxy-amine nanocoatings. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47901.	1.3	14
32	Effects of fiber surface treatment on the properties of hybrid composites prepared from oil palm empty fruit bunch fibers, glass fibers, and recycled polypropylene. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	13
33	Degradation analysis of epoxy resin composites reinforced with bioprotein: Effects of hydrolysis using papain and bromelain. <i>Polymer Composites</i> , 2021, 42, 2717-2727.	2.3	13
34	Study of Resistance Spot Welding Between AISI 301 Stainless Steel and AISI 1020 Carbon Steel Dissimilar Alloys. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 6, 793-806.	0.3	12
35	PERFORMANCE EVALUATION OF ADVANCED ENERGY STORAGE SYSTEMS: A REVIEW. <i>Energy and Environment</i> , 2023, 34, 1094-1141.	2.7	11
36	Effects of zinc oxide on pretreated multiwalled carbon nanotube-reinforced biobased polyesters. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	10

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37	Effects of luffa and glass fibers in polyurethane-based ternary sandwich composites for building materials. SN Applied Sciences, 2020, 2, 1.	1.5	10
38	The effects of five different types of acid anhydrides and incorporation of montmorillonite nanoclays on thermosetting resins. Polymer Bulletin, 2015, 72, 3007-3030.	1.7	9
39	Characterization of polyamide 6.10 composites incorporated with microcrystalline cellulose fiber: Effects of fiber loading and impact modifier. Advances in Polymer Technology, 2018, 37, 3412-3420.	0.8	9
40	Thermo-mechanical properties of glass fiber and functionalized multi-walled carbon nanotubes filled polyester composites. Polymer Composites, 2019, 40, E1235.	2.3	9
41	Influence of hydration on the mechanical, structural, thermal, and morphological properties of cement filled epoxy composites. Journal of Vinyl and Additive Technology, 2021, 27, 119-126.	1.8	9
42	Dispersion characteristics of hydroxyl and carboxyl-functionalized multi-walled carbon nanotubes in polyester nanocomposites. Journal of Polymer Engineering, 2018, 38, 759-765.	0.6	7
43	Effects of reinforcing arrangement of kenaf fibres into unsaturated polyester for improved properties. Journal of Mechanical Engineering and Sciences, 2016, 10, 2020-2030.	0.3	7
44	Control of biodegradability in a natural fibre based nanocomposite as a function of impregnated copper nanoparticles. RSC Advances, 2016, 6, 28937-28946.	1.7	6
45	Effects of nano- and micro-sized inorganic fillers on the performance of epoxy hybrid nanocoatings. Polymers and Polymer Composites, 2019, 27, 82-91.	1.0	6
46	Effect of preheat and encapsulation of steel particles on the interaction with Bisphenol A composites. Polymer Testing, 2020, 89, 106611.	2.3	3
47	Mechanical, interfacial, and fracture characteristics of poly (lactic acid) and <i>Moringa oleifera</i> fiber composites. Advances in Polymer Technology, 2018, 37, 1665-1673.	0.8	2
48	Optimization of reaction parameters of esterification on the synthesis of palm oil-based alkyds using response surface methods. IOP Conference Series: Materials Science and Engineering, 2019, 634, 012038.	0.3	1
49	Rheological and Mechanical Properties of Polyisobutylene Filled with Nanosilica, Zinc Oxide and Titanium Oxide. Advanced Structured Materials, 2022, , 271-287.	0.3	1
50	Effect of Curing on Hydrolytic Degradation of Montmorillonite Nanoclays Filled Biobased Polyesters. Polymers From Renewable Resources, 2017, 8, 43-60.	0.8	0
51	Comparative analysis of the properties: Microcrystalline cellulose fiber polyamide composites filled with ethylene copolymer and olefin elastomer. Polymers and Polymer Composites, 2020, 28, 242-251.	1.0	0
52	Effects of chemical modification on the performance evaluation of photoinitiated, dispersion-polymerized poly(methyl methacrylate-co-ethylene glycol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (dimethacrylat 29, 362-372.	1.0	0