

# Mariatti Jaafar

## List of Publications by Year in descending order

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170  
papers

3,217  
citations

218677

26  
h-index

223800

46  
g-index

171  
all docs

171  
docs citations

171  
times ranked

3462  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on degradation mechanisms of polylactic acid: Hydrolytic, photodegradative, microbial, and enzymatic degradation. <i>Polymer Engineering and Science</i> , 2020, 60, 2061-2075.	3.1	299
2	Effect of particle shape of silica mineral on the properties of epoxy composites. <i>Composites Science and Technology</i> , 2008, 68, 346-353.	7.8	123
3	Characterization of the mechanical and thermal properties and morphological behavior of biodegradable poly(L-lactide)/poly( $\epsilon$ -caprolactone) and poly(L-lactide)/poly(butylene succinate-co-L-lactate) polymeric blends. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1784-1792.	2.6	116
4	Properties of graphene nanopowder and multi-walled carbon nanotube-filled epoxy thin-film nanocomposites for electronic applications: The effect of sonication time and filler loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 58, 77-83.	7.6	111
5	A review on advanced carbon-based thermal interface materials for electronic devices. <i>Carbon</i> , 2020, 168, 65-112.	10.3	107
6	Effects of surface-functionalized multi-walled carbon nanotubes on the properties of poly(dimethyl) Tj ETQq0 0 0 regBT /Overlock 10 Tf 5	7.8	94
7	Recent Development of Graphene-Based Ink and Other Conductive Material-Based Inks for Flexible Electronics. <i>Journal of Electronic Materials</i> , 2019, 48, 3428-3450.	2.2	71
8	Effect of electrolytes and sonication times on the formation of graphene using an electrochemical exfoliation process. <i>Applied Surface Science</i> , 2019, 469, 951-961.	6.1	70
9	Thermal stability and electrical behavior of polydimethylsiloxane nanocomposites with carbon nanotubes and carbon black fillers. <i>Journal of Composite Materials</i> , 2012, 46, 903-910.	2.4	66
10	Approaches to Improve Therapeutic Efficacy of Biodegradable PLA/PLGA Microspheres: A Review. <i>Polymer Reviews</i> , 2018, 58, 495-536.	10.9	62
11	Effects of filler shape and size on the properties of silver filled epoxy composite for electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 56-63.	2.2	57
12	A review of thermoplastic elastomeric nanocomposites for high voltage insulation applications. <i>Polymer Engineering and Science</i> , 2018, 58, E36.	3.1	53
13	Effects of the size and filler loading on the properties of copper-and silver-nanoparticle-filled epoxy composites. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3145-3152.	2.6	51
14	Effects of types of fillers and filler loading on the properties of silicone rubber composites. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1087-1096.	3.1	51
15	Tensile properties prediction of natural fibre composites using rule of mixtures: A review. <i>Journal of Reinforced Plastics and Composites</i> , 2019, 38, 211-248.	3.1	47
16	Properties of synthetic diamond and graphene nanoplatelet-filled epoxy thin film composites for electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 817-824.	2.2	46
17	The Properties of Woven Kenaf and Betel Palm ( <i>Areca catechu</i> ) Reinforced Unsaturated Polyester Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 1193-1199.	1.9	43
18	Effect of single-mineral filler and hybrid-mineral filler additives on the properties of polypropylene composites. <i>Journal of Vinyl and Additive Technology</i> , 2009, 15, 20-28.	3.4	33

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19	Effects of lysine triisocyanate on the mode I fracture behavior of polymer blend of poly (l-lactic acid) and poly (butylene succinate-co-l-lactate). <i>Journal of Materials Science</i> , 2009, 44, 3006-3009.	3.7	33
20	Effect of processing methods and functional groups on the properties of multi-walled carbon nanotube filled poly(dimethyl siloxane) composites. <i>Polymer Bulletin</i> , 2012, 69, 937-953.	3.3	33
21	Tensile, dielectric, and thermal properties of epoxy composites filled with silica, mica, and calcium carbonate. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2111-2119.	2.2	33
22	Recent development in silver-based ink for flexible electronics. <i>Journal of Science: Advanced Materials and Devices</i> , 2022, 7, 100395.	3.1	33
23	Effect of different types of silver and epoxy systems on the properties of silver/epoxy conductive adhesives. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 757-764.	2.2	32
24	Effects of the filler loading and aging time on the mechanical and electrical conductivity properties of carbon black filled natural rubber. <i>Journal of Applied Polymer Science</i> , 2008, 110, 747-752.	2.6	30
25	Characterization of discarded fruit waste as substitute for harmful synthetic fiber-reinforced polymer composites. <i>Journal of Materials Science</i> , 2020, 55, 8513-8525.	3.7	30
26	Green Strategies to Printed Sensors for Healthcare Applications. <i>Polymer Reviews</i> , 2021, 61, 116-156.	10.9	30
27	Enhanced performance of lightweight kenaf-based hierarchical composite laminates with embedded carbon nanotubes. <i>Materials and Design</i> , 2019, 171, 107710.	7.0	29
28	Techniques for fabrication and construction of three-dimensional bioceramic scaffolds: Effect on pores size, porosity and compressive strength. <i>Ceramics International</i> , 2018, 44, 18400-18407.	4.8	28
29	Tensile and morphological properties of nanocrystalline cellulose and nanofibrillated cellulose reinforced PLA/bionanocomposites: A review. <i>Polymer Engineering and Science</i> , 2021, 61, 22-38.	3.1	27
30	Formulation of Biodegradable Plastic Mulch Film for Agriculture Crop Protection: A Review. <i>Polymer Reviews</i> , 2022, 62, 890-918.	10.9	27
31	Mechanical and thermal properties of polymethylmethacrylate bone cement composites incorporated with hydroxyapatite and glass ceramic fillers. <i>Journal of Applied Polymer Science</i> , 2012, 125, E661.	2.6	26
32	Effect of Peanut Shell Powder Content on the Properties of Recycled Polypropylene (RPP)/ Peanut Shell Powder (PSP) Composites. <i>BioResources</i> , 2013, 8, .	1.0	26
33	Simultaneous impact modified and chain extended glass fiber reinforced poly(lactic acid) composites: Mechanical, thermal, crystallization, and dynamic mechanical performance. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49752.	2.6	24
34	Properties of spin coated epoxy/silica thin film composites: Effect of nano- and micron-size fillers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 1432-1437.	7.6	23
35	Fabrication and characterization of porous $\beta$ -tricalcium phosphate scaffolds coated with alginate. <i>Ceramics International</i> , 2016, 42, 5141-5147.	4.8	23
36	Effect of ultrasonication medium on the properties of copper nanoparticle-filled epoxy composite for electrical conductive adhesive (ECA) application. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 772-778.	2.2	22

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37	Changes in the crystallinity and mechanical properties of poly(l-lactic acid)/poly(butylene Tj ETQq1 1 0.784314 rgBT/Overlock 22 10 Tf 50	3.3	22
38	The Effects of Modifying Peanut Shell Powder with Polyvinyl Alcohol on the Properties of Recycled Polypropylene and Peanut Shell Powder Composites. <i>BioResources</i> , 2014, 9, .	1.0	21
39	Electrical insulation characteristics of alumina, titania, and organoclay nanoparticles filled PP/EPDM nanocomposites. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	21
40	Development and fabrication of highly flexible, stretchable, and sensitive strain sensor for long durability based on silver nanoparticlesâ€“polydimethylsiloxane composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11897-11910.	2.2	21
41	Value adding limestone to filler grade through an ultra-fine grinding process in jet mill for use in plastic industries. <i>Minerals Engineering</i> , 2009, 22, 695-703.	4.3	20
42	Effects of hybrid fillers based on micro- and nano-sized silver particles on the electrical performance of epoxy composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1523-1529.	2.2	20
43	Mechanical properties of particulateâ€“filler/wovenâ€“glassâ€“fabricâ€“filled vinyl ester composites. <i>Journal of Vinyl and Additive Technology</i> , 2010, 16, 98-104.	3.4	19
44	Properties of epoxy nanocomposite thin films prepared by spin coating technique. <i>Journal of Plastic Film and Sheeting</i> , 2011, 27, 331-346.	2.2	19
45	Evaluation of the flexural properties and bioactivity of bioresorbable PLLA/PBSL/CNT and PLLA/PBSL/TiO2 nanocomposites. <i>Composites Part B: Engineering</i> , 2012, 43, 1374-1381.	12.0	19
46	Initial growth study of TiO 2 nanotube arrays anodised in KOH/fluoride/ethylene glycol electrolyte. <i>Materials and Design</i> , 2017, 128, 195-205.	7.0	19
47	Mechanical Properties and In Vitro Evaluation of Thermoplastic Polyurethane and Polylactic Acid Blend for Fabrication of 3D Filaments for Tracheal Tissue Engineering. <i>Polymers</i> , 2021, 13, 3087.	4.5	19
48	Multi-walled carbon nanotubes buckypaper/epoxy composites: effect of loading and pressure on tensile and electrical properties. <i>Polymer Bulletin</i> , 2019, 76, 2801-2817.	3.3	18
49	Effect of curing agent on the properties of mineral silica filled epoxy composites. <i>Polymer Composites</i> , 2008, 29, 27-36.	4.6	17
50	Effect of structural changes of silica filler on the coefficient of thermal expansion (CTE) of underfill encapsulant. <i>Powder Technology</i> , 2008, 185, 54-57.	4.2	17
51	Polypropylene/natural rubber composites filled with recycled newspaper: Effect of chemical treatment using maleic anhydrideâ€“grafted polypropylene and 3â€“aminopropyltriethoxysilane. <i>Polymer Composites</i> , 2012, 33, 609-618.	4.6	17
52	Fabrication and characterization of nano filler-filled epoxy composites for underfill application. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1293-1299.	2.2	17
53	Effect of hybrid nanofillers on the thermal, mechanical, and physical properties of polypropylene composites. <i>Polymer Bulletin</i> , 2013, 70, 871-884.	3.3	17
54	Thermal and Flame Resistant Properties of Poly (Lactic Acid)/Poly (Methyl Methacrylate) Blends Containing Halogen-free Flame Retardant. <i>Procedia Chemistry</i> , 2016, 19, 795-802.	0.7	17

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55	Oxidative induction and performance of oil palm fiber reinforced polypropylene composites " Effects of coupling agent and UV stabilizer. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 125, 105577.	7.6	17
56	Performance of inkjet-printed strain sensor based on graphene/silver nanoparticles hybrid conductive inks on polyvinyl alcohol substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15361-15371.	2.2	17
57	The Influence of Substrate Functionalization for Enhancing the Interfacial Bonding between Graphene Oxide and Nonwoven Polyester. <i>Fibers and Polymers</i> , 2021, 22, 3192-3202.	2.1	17
58	Properties of calcium copper titanate and barium titanate filled epoxy composites for electronic applications: effect of filler loading and hybrid fillers. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4923-4932.	2.2	16
59	Investigation of surface and mechanical properties of Anodic Aluminium Oxide (AAO) developed on Al substrate for an electronic package enclosure. <i>Surface and Coatings Technology</i> , 2020, 401, 126273.	4.8	16
60	Recent advancements in nonwoven bio-degradable facemasks to ameliorate the post-pandemic environmental impact. <i>Materials Research Express</i> , 2021, 8, 112001.	1.6	16
61	Simultaneous enhancement of conductivity and Seebeck coefficient of PEDOT:PSS by triflic acid treatment for flexible thermoelectric generator. <i>Synthetic Metals</i> , 2022, 286, 117037.	3.9	16
62	Effect of filler surface treatment on mechanical properties and thermal properties of single and hybrid filler"filled PP composites. <i>Journal of Applied Polymer Science</i> , 2011, 120, 857-865.	2.6	15
63	Silver-filled epoxy composites: effect of hybrid and silane treatment on thermal properties. <i>Polymer Bulletin</i> , 2013, 70, 311-323.	3.3	15
64	Investigation on dielectric strength of alumina nanofiller with SiR/EPDM composites for HV insulator. , 2015, , .		15
65	Utilization of Polyvinyl Alcohol on Properties of Recycled Polypropylene/Peanut Shell Powder Composites. <i>Procedia Chemistry</i> , 2016, 19, 763-769.	0.7	15
66	Properties of nanofillers/crosslinked polyethylene composites for cable insulation. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, E147-E154.	3.4	15
67	Reduction efficiencies of natural substances for reduced graphene oxide synthesis. <i>Journal of Materials Science</i> , 2021, 56, 18477-18492.	3.7	15
68	Effect of Polymethyl Methacrylate (PMMA) Powder to Liquid Monomer (P/L) Ratio and Powder Molecular Weight on the Properties of PMMA Cement. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 554-560.	1.9	14
69	Thermal properties and moisture absorption of nanofillers"filled epoxy composite thin film for electronic application. <i>Polymers for Advanced Technologies</i> , 2012, 23, 1620-1627.	3.2	14
70	Dielectric and thermal properties of CCTO/epoxy composites for embedded capacitor applications: mixing and fabrication methods. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8118-8129.	2.2	14
71	Effects of Silver Microparticles and Nanoparticles on Thermal and Electrical Characteristics of Electrically Conductive Adhesives. <i>Journal of Electronic Materials</i> , 2017, 46, 6727-6735.	2.2	14
72	Mechanical, electrical and thermal properties of multi-walled carbon nanotubes/epoxy composites: effect of post-processing techniques and filler loading. <i>Polymer Bulletin</i> , 2017, 74, 2513-2533.	3.3	14

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73	Graphene nanoparticle dispersion in epoxy thin film composites for electronic applications: effect on tensile, electrical and thermal properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 808-817.	2.2	14
74	Hybrid filler filled polypropylene/(natural rubber) composites: Effects of natural weathering on mechanical and thermal properties and morphology. <i>Journal of Vinyl and Additive Technology</i> , 2008, 14, 142-151.	3.4	13
75	Comparison on the Properties of Nickel-Coated Graphite (NCG) and Graphite Particles as Conductive Fillers in Polypropylene (PP) Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 614-620.	1.9	13
76	Effect of PEO-PPO-PEO copolymer on the mechanical and thermal properties and morphological behavior of biodegradable poly (L-lactic acid) (PLLA) and poly (butylene succinate-co-L-lactate) (PBSL) blends. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1786-1793.	3.2	13
77	Characterization of the Microstructure and Mode I Fracture Property of Biodegradable Poly(L-lactic) Tj ETQq1 1 0.784314 rgBT /Overl Technology and Engineering, 2013, 52, 768-773.	1.9	13
78	Thermo-physical, thermal degradation, and flexural properties of betel nut husk fiber reinforced vinyl ester composites. <i>Polymer Composites</i> , 2016, 37, 2008-2017.	4.6	13
79	Preparation and properties of amine functionalized graphene filled epoxy thin film nano composites for electrically conductive adhesive. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 3160-3169.	2.2	13
80	Performance of poly(vinyl alcohol) nanocomposite reinforced with hybrid TEMPO mediated cellulose-graphene filler. <i>Polymer Testing</i> , 2019, 80, 106140.	4.8	13
81	Past and Current Progress in the Development of Antiviral/Antimicrobial Polymer Coating towards COVID-19 Prevention: A Review. <i>Polymers</i> , 2021, 13, 4234.	4.5	13
82	Recycled Polypropylene/Peanut Shell Powder Composites: Pre-Treatment of Lignin Using Alkaline Peroxide. <i>BioResources</i> , 2016, 11, .	1.0	12
83	Effect of selective localization on dielectric properties of boron nitride nanofiller filled linear low density polyethylene (LLDPE)/silicone rubber (SR) blends. <i>Polymer Testing</i> , 2016, 56, 131-139.	4.8	12
84	Laminate Design of Lightweight Glass Fiber Reinforced Epoxy Composite for Electrical Transmission Structure. <i>Procedia Chemistry</i> , 2016, 19, 871-878.	0.7	12
85	A study of the degradation of compatibilized and uncompatibilized peanut shell powder/recycled polypropylene composites due to natural weathering. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, 290-297.	3.4	12
86	Recycled polypropylene/peanut shell powder (RPP/PSP) composites: Property comparison before and after electron beam irradiation. <i>Polymer Composites</i> , 2018, 39, 3048-3056.	4.6	12
87	Palm kernel oil polyol based shape memory polyurethane: effect of polycaprolactone and polyethylene glycol as soft segment. <i>Materials Research Express</i> , 2020, 7, 025704.	1.6	12
88	Performance Enhancement of Inkjet Printed Multi-Walled Carbon Nanotubes Inks using Synthetic and Green Surfactants. <i>Advanced Materials Technologies</i> , 2021, 6, 2001026.	5.8	12
89	Mild functionalization of carbon nanotubes filled epoxy composites: Effect on electromagnetic interferences shielding effectiveness. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	11
90	One-step synthesis of conductive graphene/polyaniline nanocomposites using sodium dodecylbenzenesulfonate: preparation and properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 18418-18428.	2.2	11

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91	Solvent mediated dispersion of carbon nanotubes for glass fibre surface modification " Suspensions stability and its effects on mechanical, interlaminar and dynamic mechanical properties of modified glass fibre reinforced epoxy laminates. Composites Part A: Applied Science and Manufacturing, 2020, 139, 106091.	7.6	11
92	A novel sealing and high scratch resistant nanorod Ni-P coating on anodic aluminum oxide. Materials Letters, 2021, 289, 129425.	2.6	11
93	Biocomposites based on poly(lactic acid) matrix and reinforced with natural fiber fabrics: The effect of fiber type and compatibilizer content. Polymer Composites, 2022, 43, 4191-4209.	4.6	11
94	Properties of Aluminium and Zinc-Filled Natural Rubber Composites. Polymer-Plastics Technology and Engineering, 2007, 46, 667-674.	1.9	10
95	Thermal and flame properties of calcium borate and intumescent ammonium polyphosphate in epoxy/glass fiber composites. Journal of Fire Sciences, 2012, 30, 428-436.	2.0	10
96	Single and hybrid mineral fillers (talc/silica and talc/calcium carbonate) filled polypropylene composites: Effects of filler loading and ratios. Journal of Vinyl and Additive Technology, 2014, 20, 160-167.	3.4	10
97	Optimization of magnetic and dielectric properties of surface-treated magnetite-filled epoxy composites by factorial design. Journal of Magnetism and Magnetic Materials, 2014, 355, 319-324.	2.3	10
98	Dielectric and thermal properties of flame retardant fillers in polypropylene/ethylene propylene diene monomer composites. Journal of Reinforced Plastics and Composites, 2014, 33, 1931-1940.	3.1	10
99	Synthesis and Characterization of Graphene-Based Inks for Spray-Coating Applications. Journal of Electronic Materials, 2019, 48, 5757-5770.	2.2	10
100	Formation of grassy TiO2 nanotube thin film by anodisation in peroxide electrolyte for Cr(VI) removal under ultraviolet radiation. Nanotechnology, 2020, 31, 435605.	2.6	10
101	Synthesis and analysis of anodic aluminum oxide-nanopore structure on Al substrates for efficient thermal management in electronic packaging. Journal of Materials Science: Materials in Electronics, 2020, 31, 9641-9649.	2.2	10
102	Silane treatment of magnetite filler and its effect on the properties of magnetite-filled epoxy thin-film composites. Polymer Bulletin, 2014, 71, 3333-3346.	3.3	9
103	Properties of treated calcium copper titanate filled epoxy thin film composites for electronic applications. Journal of Applied Polymer Science, 2016, 133, .	2.6	9
104	$\beta$ -cyclodextrin as a Partial Replacement of Phosphorus Flame Retardant for Poly(Lactic) Polymer-Plastics Technology and Engineering, 2017, 56, 1680-1694.	1.9	9
105	Effect of electron beam irradiation on dielectric properties, morphology and melt rheology of linear low density polyethylene/silicone rubber based thermoplastic elastomer nanocomposites. Polymer Engineering and Science, 2018, 58, E135.	3.1	9
106	The Effect of Recycled Newspaper Content and Size on the Properties of Polypropylene (PP)/Natural Rubber (NR) Composites. Polymer-Plastics Technology and Engineering, 2007, 47, 23-29.	1.9	8
107	The Properties of Polymethyl Methacrylate (PMMA) Bone Cement Filled with Titania and Hydroxyapatite Fillers. Polymer-Plastics Technology and Engineering, 2010, 49, 1163-1171.	1.9	8
108	Physico-Mechanical Properties of HA/TCP Pellets and Their Three-Dimensional Biological Evaluation In Vitro. Advances in Experimental Medicine and Biology, 2017, 1084, 1-15.	1.6	8



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109	Structure and performance of poly(lactic acid)/poly(butylene succinate-co-L-lactate) blend reinforced with rice husk and coconut shell filler. <i>Polymers and Polymer Composites</i> , 2021, 29, 992-1002.	1.9	8
110	The technology of tongue and hard palate contact detection: a review. <i>BioMedical Engineering OnLine</i> , 2021, 20, 17.	2.7	8
111	Study on Tensile, Electrical, and Thermal Properties of Aluminium Particle Filled Natural Rubber (NR) and Ethylene-Propylene-Diene Terpolymer (EPDM) Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 1201-1206.	1.9	7
112	Characterization of microstructure and mechanical properties of biodegradable polymer blends of poly(L-lactic acid) and poly(butylene succinate-co-caprolactone) with lysine triisocyanate. <i>Polymer Engineering and Science</i> , 2010, 50, 1485-1491.	3.1	7
113	Nano-sized boron nitride epoxy composites for underfill application: effect of diluent and filler loading. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 774-783.	2.2	7
114	Enhancement of Thermal Conductivity of Cyanoacrylate with Different Types of Nanofillers and Loading. <i>Procedia Chemistry</i> , 2016, 19, 835-841.	0.7	7
115	Fabrication of Graphene by Electrochemical Intercalation Method and Performance of Graphene/PVA Composites as Stretchable Strain Sensor. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7677-7689.	3.0	7
116	Electrical tree characteristics with the addition of alumina in silicone rubber. , 2015, , .		6
117	Dielectric properties and thermal properties of calcium copper titanate and barium titanate hybrid fillers filled epoxy thin film composites for electronic packaging applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6245-6251.	2.2	6
118	Hierarchical bioceramic scaffold for tissue engineering: A review. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 877-890.	3.4	6
119	Linear low-density polyethylene/silicone rubber nanocomposites. <i>Journal of Elastomers and Plastics</i> , 2018, 50, 36-57.	1.5	6
120	Effect of black ink loading on the properties of multi-walled carbon nanotubes/glass fibre/epoxy laminated hybrid composites. <i>Polymer Bulletin</i> , 2018, 75, 3357-3375.	3.3	6
121	Graphene/polyaniline nanocomposites: effect of in-situ polymerization and solvent blending methods with dodecylbenzene sulfonic acid surfactant. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15805-15821.	2.2	6
122	Breakdown characteristics of grafted polypropylene in PP/EPDM hybrid nanocomposite for electrical insulator applications. <i>Polymer Bulletin</i> , 2018, 75, 2529-2542.	3.3	5
123	Fabrication and characterization of silver nanoparticles/PVA composites for flexible electronic application. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	5
124	Enhancement of carbonate apatite scaffold properties with surface treatment and alginate and gelatine coating. <i>Journal of Porous Materials</i> , 2020, 27, 831-842.	2.6	5
125	Development of environmentally friendly inkjet printable carbon nanotube-based conductive ink for flexible sensors: effects of concentration and functionalization. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12648-12660.	2.2	5
126	Thermal, electrical, and physical properties of novel phase stabilized material: hybrid plastilina nanocomposites for effective thermal management in electronics. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 78-94.	2.2	5



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127	Effect of secondary forces in the compatibility of two incompatible biodegradable polymers. Polymer Bulletin, 2012, 69, 455-469.	3.3	4
128	Performance of graphene hybrid-based ink for flexible electronics. Journal of Materials Science: Materials in Electronics, 2019, 30, 19906-19916.	2.2	4
129	Effect of waste fillers addition on properties of high-density polyethylene composites: mechanical properties, burning rate, and water absorption. Polymer Bulletin, 2021, 78, 6777-6795.	3.3	4
130	Effect of Formulation Variables on the Performance of Doxycycline-Loaded PLA Microsphere. Arabian Journal for Science and Engineering, 2020, 45, 7419-7428.	3.0	4
131	Electroless Ni-P Deposition on an Al5052 Substrate for Thermal Management Applications. IEEE Transactions on Electron Devices, 2021, 68, 2892-2898.	3.0	4
132	Preparation of carbonate apatite scaffolds using different carbonate solution and soaking time. Processing and Application of Ceramics, 2019, 13, 139-148.	0.8	4
133	Effect of Resin:Fiber Ratio on the Properties of Glass Fiber Reinforced Plastic Composites. International Journal of Polymeric Materials and Polymeric Biomaterials, 2005, 54, 975-984.	3.4	3
134	Electrical treeing initiation and propagation in silicone rubber nanocomposites. , 2013, , .		3
135	Impact behaviour of woven coir-epoxy composite: Effects of woven density and woven fabric treatment. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2016, 230, 240-251.	1.1	3
136	Thermal conductivity behavior of oil palm/jute fibre-reinforced hybrid composites. AIP Conference Proceedings, 2017, , .	0.4	3
137	Effect of ZnO Nanofiller in the XLPE Matrix on Electrical Tree Characteristics. IEEE Access, 2020, 8, 117574-117581.	4.2	3
138	Lignin-assisted carbon nanotube dispersion for conductive ink application. AIP Conference Proceedings, 2020, , .	0.4	3
139	Injectable hydrogel scaffold from natural biomaterials - An overview of recent studies. AIP Conference Proceedings, 2020, , .	0.4	3
140	Electrical conductivity of silver conductive ink synthesized using chemical reduction method. AIP Conference Proceedings, 2020, , .	0.4	3
141	Tunneling Percolation Mechanism of Conductivity for PEDOT:PSS in Hydrophilic PDMS Composite for the Fabrication of Highly Sensitive Strain Sensor. Macromolecular Chemistry and Physics, 0, , 2200077.	2.2	3
142	Development of non-woven poly butadiethylene terephthalate (PBAT) mats using electrospinning. Materials Today: Proceedings, 2022, 66, 2868-2872.	1.8	3
143	Prediction studies on percolation threshold behaviour of silver filled epoxy composite for electrically conductive adhesives applications. , 2008, , .		2
144	Particle Dispersion Model for Predicting the Percolation Threshold of Nano-Silver Composite. Arabian Journal for Science and Engineering, 2016, 41, 2363-2376.	1.1	2

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145	Flexibility and sensitivity of graphene nanoplatelets-polydimethylsiloxane strain sensor. AIP Conference Proceedings, 2020, , .	0.4	2
146	Preliminary study on reactive compatibilisation of poly-lactic acid with maleic anhydride and dicumyl peroxide for fabrication of 3D printed filaments. AIP Conference Proceedings, 2020, , .	0.4	2
147	Properties improvement of acrylic resin for denture application: effect of single and hybrid types of fillers with different weight loadings. Plastics, Rubber and Composites, 2021, 50, 329-339.	2.0	2
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