

Veena Choudhary

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147
papers

5,612
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38
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69
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148
ext. papers

6,302
ext. citations

4
avg, IF

6.37
L-index

#	Paper	IF	Citations
147	Polyaniline/MWCNT nanocomposites for microwave absorption and EMI shielding. <i>Materials Chemistry and Physics</i> , 2009 , 113, 919-926	4.4	529
146	Improved Electromagnetic Interference Shielding Response of Poly(aniline)-Coated Fabrics Containing Dielectric and Magnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13403-13412	3.8	285
145	Enhanced microwave absorption behavior of polyaniline-CNT/polystyrene blend in 12.4-18.0GHz range. <i>Synthetic Metals</i> , 2011 , 161, 1522-1526	3.6	234
144	High permittivity polyaniline-barium titanate nanocomposites with excellent electromagnetic interference shielding response. <i>Nanoscale</i> , 2013 , 5, 4330-6	7.7	201
143	SPR based fibre optic ammonia gas sensor utilizing nanocomposite film of PMMA/reduced graphene oxide prepared by in situ polymerization. <i>Sensors and Actuators B: Chemical</i> , 2014 , 199, 190-200	8.5	188
142	Electromagnetic interference shielding behavior of poly(trimethylene terephthalate)/multi-walled carbon nanotube composites. <i>Composites Science and Technology</i> , 2011 , 71, 1563-1568	8.6	165
141	Barium ferrite decorated reduced graphene oxide nanocomposite for effective electromagnetic interference shielding. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 1610-8	3.6	150
140	Excellent electromagnetic interference shielding and mechanical properties of high loading carbon-nanotubes/polymer composites designed using melt recirculation equipped twin-screw extruder. <i>Carbon</i> , 2015 , 89, 308-317	10.4	137
139	Graphene nanoplatelets/carbon nanotubes/polyurethane composites as efficient shield against electromagnetic polluting radiations. <i>Composites Part B: Engineering</i> , 2017 , 120, 118-127	10	129
138	Electrical and mechanical properties of PMMA/reduced graphene oxide nanocomposites prepared via in situ polymerization. <i>Journal of Materials Science</i> , 2013 , 48, 6223-6232	4.3	124
137	Microstructural and mechanical properties of porous biocomposite scaffolds based on polyvinyl alcohol, nano-hydroxyapatite and cellulose nanocrystals. <i>Cellulose</i> , 2014 , 21, 3409-3426	5.5	103
136	Designing of carbon nanotube/polymer composites using melt recirculation approach: Effect of aspect ratio on mechanical, electrical and EMI shielding response. <i>Materials and Design</i> , 2015 , 88, 269-277	8.1	98
135	Electromagnetic interference shielding behavior of polyaniline/graphite composites prepared by in situ emulsion pathway. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3146-3155	2.9	98
134	Synergistic effect of graphene/multiwalled carbon nanotube hybrid fillers on mechanical, electrical and EMI shielding properties of polycarbonate/ethylene methyl acrylate nanocomposites. <i>Composites Part B: Engineering</i> , 2019 , 159, 378-388	10	97
133	Enhanced electromagnetic interference shielding effectiveness of polyaniline functionalized carbon nanotubes filled polystyrene composites. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	94
132	Electrical conductivity and shielding effectiveness of poly(trimethylene terephthalate)/multiwalled carbon nanotube composites. <i>Journal of Materials Science</i> , 2011 , 46, 6416-6423	4.3	93
131	Surface Plasmon Resonance-Based Fiber Optic Methane Gas Sensor Utilizing Graphene-Carbon Nanotubes-Poly(Methyl Methacrylate) Hybrid Nanocomposite. <i>Plasmonics</i> , 2015 , 10, 1147-1157	2.4	92

130	Current Status of Unsaturated Polyester Resins. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2000 , 40, 139-165		89
129	Interpenetrating polymer networks based on poly(acrylic acid) and gelatin. I: Swelling and thermal behavior. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 217-227	2.9	83
128	Effect of clay content and clay/surfactant on the mechanical, thermal and barrier properties of polystyrene/organoclay nanocomposites. <i>Journal of Polymer Research</i> , 2011 , 18, 843-857	2.7	68
127	Enhanced microwave shielding and mechanical properties of high loading MWCNT/epoxy composites. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	67
126	FLAME RETARDING EPOXIES WITH PHOSPHORUS. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2002 , 42, 139-183		66
125	Electrical properties and EMI shielding behavior of highly thermally stable polyaniline/colloidal graphite composites. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 355-361	3.2	65
124	Tailored graphene based polyurethane composites for efficient electrostatic dissipation and electromagnetic interference shielding applications. <i>RSC Advances</i> , 2015 , 5, 97349-97358	3.7	63
123	Improved microwave absorption and electrostatic charge dissipation efficiencies of conducting polymer grafted fabrics prepared via in situ polymerization. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 343-349	3.2	62
122	A review on the mechanical, electrical and EMI shielding properties of carbon nanotubes and graphene reinforced polycarbonate nanocomposites. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 1547-1567	3.2	61
121	Banana fiber-reinforced biodegradable soy protein composites. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008 , 3, 243-250		56
120	A study of new anhydrous, conducting membranes based on composites of aprotic ionic liquid and cross-linked SPEEK for fuel cell application. <i>Electrochimica Acta</i> , 2015 , 152, 352-359	6.7	55
119	Effect of length of carbon nanotubes on electromagnetic interference shielding and mechanical properties of their reinforced epoxy composites. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	52
118	Studies on toughened polycarbonate/multiwalled carbon nanotubes nanocomposites. <i>Composites Part B: Engineering</i> , 2017 , 124, 101-110	10	50
117	A review on modified sugarcane bagasse biosorbent for removal of dyes. <i>Chemosphere</i> , 2021 , 268, 129304	3.4	49
116	Structural details, electrical properties, and electromagnetic interference shielding response of processable copolymers of aniline. <i>Journal of Materials Science</i> , 2013 , 48, 797-804	4.3	45
115	Enhanced microwave shielding and mechanical properties of multiwall carbon nanotubes anchored carbon fiber felt reinforced epoxy multiscale composites. <i>Applied Nanoscience (Switzerland)</i> , 2014 , 4, 421-428	3.3	43
114	Effect of functionality of polyhedral oligomeric silsesquioxane [POSS] on the properties of sulfonated poly(ether ether ketone) [SPEEK] based hybrid nanocomposite proton exchange membranes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 12817-12829	6.7	42
113	Designing of epoxy composites reinforced with carbon nanotubes grown carbon fiber fabric for improved electromagnetic interference shielding. <i>AIP Advances</i> , 2012 , 2, 022151	1.5	42

112	Thermal properties and degradation characteristics of polylactide, linear low density polyethylene, and their blends. <i>Polymer Bulletin</i> , 2011 , 66, 939-953	2.4	40
111	Selective polydimethylsiloxane/polyimide blended IPN pervaporation membrane for methanol/toluene azeotrope separation. <i>Separation and Purification Technology</i> , 2011 , 76, 407-418	8.3	40
110	EMI shielding response of polypyrrole-MWCNT/polyurethane composites. <i>Synthetic Metals</i> , 2020 , 266, 116414	3.6	39
109	Study on the compatibility of unbleached and bleached bamboo-fiber with LLDPE matrix. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 751-761	4.1	38
108	Conducting polymer coated textile based multilayered shields for suppression of microwave radiations in 8.2-12.4 GHz range. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2832-2839	2.9	36
107	High-density polyethylene/halloysite nanocomposites: morphology and rheological behaviour under extensional and shear flow. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	35
106	Folic acid and trastuzumab conjugated redox responsive random multiblock copolymeric nanocarriers for breast cancer therapy: In-vitro and in-vivo studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 149, 369-378	6	34
105	Synthesis and characterization of stimuli-sensitive micro- and nanohydrogels based on photocrosslinkable poly(dimethylaminoethyl methacrylate). <i>Journal of Polymer Science Part A</i> , 2007 , 45, 669-679	2.5	34
104	Review: A review: polystyrene/clay nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2011 , 30, 446-459	2.9	32
103	Adsorptive potential of modified plant-based adsorbents for sequestration of dyes and heavy metals from wastewater - A review. <i>Journal of Water Process Engineering</i> , 2021 , 42, 102148	6.7	32
102	Studies on novel heat treated sulfonated poly(ether ether ketone) [SPEEK]/diol membranes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 8525-8535	6.7	31
101	Mechanical properties and morphology of polylactide, linear low-density polyethylene, and their blends. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 496-502	2.9	31
100	Superior EMI shielding performance of thermally stable carbon nanofiber/poly(ether-ketone) composites in 26.5-40 GHz frequency range. <i>Journal of Materials Science</i> , 2016 , 51, 9705-9715	4.3	31
99	Multi walled carbon nanotubes induced viscoelastic response of polypropylene copolymer nanocomposites: Effect of filler loading on rheological percolation. <i>Polymer Testing</i> , 2016 , 55, 1-9	4.5	30
98	Synthesis and characterization of poly(N-isopropylacrylamide) films by photopolymerization. <i>Polymers for Advanced Technologies</i> , 2006 , 17, 186-192	3.2	29
97	A comparative study of electrical, EMI shielding and thermal properties of graphene and multiwalled carbon nanotube filled polystyrene nanocomposites. <i>Polymer Composites</i> , 2018 , 39, E1041-E1051	2.9	29
96	Synthesis and characterization of processible polyaniline derivatives for corrosion inhibition. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 2328-2339	2.9	28
95	Studies on the copolymerization of methyl methacrylate and N-aryl maleimides. <i>Journal of Applied Polymer Science</i> , 1996 , 62, 707-712	2.9	28

94	Microwave shielding behaviour of polypyrrole impregnated fabrics. <i>Composites Part B: Engineering</i> , 2019 , 175, 107093	10	26
93	Novel anhydrous composite membranes based on sulfonated poly (ether ketone) and aprotic ionic liquids for high temperature polymer electrolyte membranes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 12826-12834	6.7	26
92	Synthesis and characterization of butyl acrylate/methyl methacrylate/glycidyl methacrylate latexes. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 549-557	2.9	25
91	Studies on curing and thermal behavior of diglycidyl ether of bisphenol-A and benzoxazine mixtures. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 3327-3334	2.9	25
90	Advances in decontamination of wastewater using biomass-based composites: A critical review. <i>Science of the Total Environment</i> , 2021 , 784, 147108	10.2	25
89	Influence of reaction conditions on the formation of nanotubes/nanoparticles of polyaniline in the presence of 1-amino-2-naphthol-4-sulfonic acid and applications as electrostatic charge dissipation material. <i>Polymer International</i> , 2009 , 58, 489-502	3.3	24
88	Pervaporation separation of organic azeotrope using poly(dimethyl siloxane)/clay nanocomposite membranes. <i>Separation and Purification Technology</i> , 2011 , 80, 435-444	8.3	24
87	Electromagnetic shielding and mechanical properties of thermally stable poly(ether ketone)/multi-walled carbon nanotube composites prepared using a twin-screw extruder equipped with novel fractional mixing elements. <i>RSC Advances</i> , 2016 , 6, 113781-113790	3.7	24
86	Polymer nanocomposite membranes based on sulfonated poly(ether ether ketone) and trisilanol phenyl POSS for fuel cell applications. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 3013-3023	2.9	23
85	Methyl methacrylate- <i>N</i> -chlorophenyl maleimide copolymers: Effect of structure on properties. <i>Journal of Applied Polymer Science</i> , 1998 , 68, 527-534	2.9	22
84	Synthesis and characterization of sulfonated naphthalenic polyimides based on 4,4'-diaminodiphenylether-2,2'-disulfonic acid and bis[4-(4-aminophenoxy)phenylhexafluoropropane] for fuel cell applications. <i>European Polymer Journal</i> , 2009 , 45, 1467-1475	5.2	21
83	Synthesis of methyl methacrylate and <i>N</i> -aryl itaconimide block copolymers via atom-transfer radical polymerization. <i>Polymer International</i> , 2005 , 54, 823-828	3.3	21
82	Effect of multiwall carbon nanotubes on thermomechanical and electrical properties of poly(trimethylene terephthalate). <i>Journal of Applied Polymer Science</i> , 2012 , 123, 1548-1556	2.9	20
81	Sulfonated poly(ether ether ketone)/ethylene glycol/polyhedral oligosilsesquioxane hybrid membranes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 5979-5991	6.7	20
80	Rheologic and mechanical properties of multiwalled carbon nanotubes-reinforced poly(trimethylene terephthalate) composites. <i>Journal of Materials Science</i> , 2013 , 48, 3347-3356	4.3	20
79	Studies on the copolymerization of methyl methacrylate with <i>N</i> -(<i>o</i> / <i>m</i> / <i>p</i> -chlorophenyl) itaconimides. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2078-2086	2.9	20
78	Tailoring of polypyrrole backbone by optimizing synthesis parameters for efficient EMI shielding properties in X-band (8.2-12.4 GHz). <i>Synthetic Metals</i> , 2016 , 222, 170-179	3.6	19
77	Preparation, characterization, and thermal behavior of MMA- <i>N</i> -aryl maleimide copolymers. <i>Journal of Applied Polymer Science</i> , 1994 , 54, 2165-2170	2.9	19

76	pH- and Metal Ion- Sensitive Hydrogels based on N-[2-(dimethylaminoethyl)acrylamide]. <i>Polymers</i> , 2016 , 8,	4.5	19
75	Polyethylene/sepiolite clay nanocomposites: Effect of clay content, compatibilizer polarity, and molar mass on viscoelastic and dynamic mechanical properties. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45197	2.9	18
74	Detailed dynamic mechanical analysis of thermomechanically stable melt-processed PEK/MWCNT nanocomposites. <i>Polymer Composites</i> , 2018 , 39, 2587-2596	3	18
73	Synthesis and biological evaluation of dual functionalized glutathione sensitive poly(ester-urethane) multiblock polymeric nanoparticles for cancer targeted drug delivery. <i>Polymer Chemistry</i> , 2015 , 6, 7603-7617	4.9	17
72	Polyhedral oligomeric silsesquioxane/polyphenylsulfone nanocomposites: Investigation of the melt-flow enhancement, thermal behavior, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 2945-2956	2.9	17
71	Radiation synthesis of interpenetrating polymer networks based on N-vinyl pyrrolidone /acrylic acid copolymer and gelatin. I. Swelling, morphology, and thermal characterization for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 1456-1463	2.9	17
70	Curing of epoxy resin using imide-amines. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 3503-3510	2.9	17
69	Polypropylene random copolymer/MWCNT nanocomposites: Isothermal crystallization kinetics, structural, and morphological interpretations. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	16
68	Effect of Multiwalled Carbon Nanotubes on the Properties of Poly(methyl methacrylate) in PMMA/CNT Nanocomposites. <i>Macromolecular Symposia</i> , 2014 , 341, 75-89	0.8	16
67	Curing and thermal behavior of epoxy resin in the presence of silicon-containing amide amines. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 1345-1353	2.9	16
66	Thermal characterization of diglycidyl ether of bisphenol-A/phosphorus containing amines. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 390-395	2.9	16
65	Systematic study of dynamic mechanical and thermal properties of multiwalled carbon nanotube reinforced polycarbonate/ethylene methyl acrylate nanocomposites. <i>Polymer Testing</i> , 2019 , 73, 425-432 ^{4.5}	4.5	16
64	Multiwalled carbon nanotubes reinforced poly (ether-ketone) nanocomposites: Assessment of rheological, mechanical, and electromagnetic shielding properties. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 347-354	3.2	16
63	High-density polyethylene/needle-like sepiolite clay nanocomposites: effect of functionalized polymers on the dispersion of nanofiller, melt extensional and mechanical properties. <i>RSC Advances</i> , 2016 , 6, 59762-59774	3.7	15
62	Melt rheology and thermomechanical behavior of poly(methyl methacrylate)/reduced graphene oxide nanocomposites. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 1558-1566	3.2	15
61	Studies on epoxy/calcium carbonate nanocomposites. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 2161-2168	2.9	15
60	Studies on copolymerization of N-isopropylacrylamide with poly(ethylene glycol) methacrylate. <i>European Polymer Journal</i> , 2008 , 44, 2962-2970	5.2	15
59	Superior electrical, mechanical and electromagnetic interference shielding properties of polycarbonate/ethylene-methyl acrylate-in situ reduced graphene oxide nanocomposites. <i>Journal of Materials Science</i> , 2018 , 53, 16047-16061	4.3	14

58	Effect of structure of aromatic imide-amines on curing behavior and thermal stability of diglycidyl ether of bisphenol-A. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 1946-1953	2.9	14
57	Copolymerization and thermal behavior of methyl methacrylate with N-(phenyl/p-tolyl) itaconimides. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 1195-1202	2.9	14
56	Morphological studies and thermo-mechanical behavior of polypropylene/sepiolite nanocomposites. <i>Polymer Composites</i> , 2017 , 38, E285-E294	3	13
55	Fabrication of poly (vinyl alcohol)/ovalbumin/cellulose nanocrystals/nanohydroxyapatite based biocomposite scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 191-201	3	13
54	Evaluation of bisacrylate terminated epoxy resins as coatings. <i>Progress in Organic Coatings</i> , 2006 , 57, 223-228	4.8	13
53	Excellent impact strength of ethylene-methyl acrylate copolymer toughened polycarbonate. <i>RSC Advances</i> , 2015 , 5, 87589-87597	3.7	12
52	5-Sulfoisophthalic acid monolithium salt doped polypyrrole/multiwalled carbon nanotubes composites for EMI shielding application in X-band (8.2-12.4 GHz). <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45370	2.9	12
51	EFFECT OF STRUCTURE ON THERMAL BEHAVIOR OF HOMOPOLYMERS AND COPOLYMERS OF ITACONIMIDES. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2001 , 41, 253-284		12
50	Development of functionalized quantum dot modified poly(vinyl alcohol) membranes for fuel cell applications. <i>RSC Advances</i> , 2016 , 6, 47536-47544	3.7	12
49	Studies on crosslinking and thermal behavior of phthalonitrile end-capped imide monomer in presence of aromatic amines. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46151	2.9	11
48	Conducting films of poly(aniline-co-1-amino- 2-naphthol-4-sulfonic acid) blended with LDPE for its application as antistatic encapsulation material. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1319-1328	3.2	11
47	Thermal and mechanical properties of copolymers of methyl methacrylate with N-aryl itaconimides. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 1088-1095	2.9	11
46	Curing and thermal behavior of DGEBA in presence of dianhydrides and aromatic diamine. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 3804-3808	2.9	11
45	Synthesis and characterization of bisitaconimides. I. <i>Journal of Applied Polymer Science</i> , 2002 , 84, 2277-2287	3.2	11
44	Simultaneous adsorptive removal of conventional and emerging contaminants in multi-component systems for wastewater remediation: A critical review. <i>Science of the Total Environment</i> , 2021 , 799, 149500	10.2	11
43	Thermomechanically stable dielectric composites based on poly(ether ketone) and BaTiO ₃ with improved electromagnetic shielding properties in X-band. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46413	2.9	10
42	Effect of multi-walled carbon nanotubes on mechanical and rheological properties of poly(trimethylene terephthalate). <i>Journal of Materials Science</i> , 2014 , 49, 3839-3846	4.3	10
41	Synergistic effect of copolymers composition on the electrochemical, thermal, and electrical behavior of 5-lithiosulphoisophthalic acid doped poly(aniline-co-2-isopropylaniline): synthesis, characterization, and applications. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 1024-1034	3.2	10

40	Isothermal and Non-Isothermal Crystallization Kinetics and Morphology of Poly(trimethylene terephthalate)/Multiwalled Carbon Nanotube Composites. <i>Macromolecular Symposia</i> , 2010 , 290, 56-69	0.8	10
39	Methyl methacrylate/N-(o-/m-/p-chlorophenyl) itaconimide copolymers: Microstructure determination by NMR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 2016-2027	2.9	10
38	Physicomechanical properties of poly(methyl methacrylate-co-N-arylmaleimides). <i>Journal of Applied Polymer Science</i> , 1995 , 57, 767-773	2.9	10
37	Industrially viable technique for the preparation of HDPE/fly ash composites at high loading: Thermal, mechanical, and rheological interpretations. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 4599-51	3.9	10
36	Recycling polymeric waste from electronic and automotive sectors into value added products. <i>Frontiers of Environmental Science and Engineering</i> , 2017 , 11, 1	5.8	9
35	Thermal degradation and physical aging of linear low density polyethylene and poly(l-lactic acid) blends. <i>Journal of Polymer Engineering</i> , 2012 , 32,	1.4	9
34	Copolymerization of N-aryl substituted itaconimide with methyl methacrylate: Effect of substituents on monomer reactivity ratio and thermal behavior. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 2391-2398	2.9	9
33	Effect of sepiolite on nonisothermal crystallization kinetics of polypropylene. <i>Journal of Materials Science</i> , 2016 , 51, 9535-9550	4.3	9
32	Thermal and mechanical properties of poly(trimethylene terephthalate)/acid-treated multiwalled carbon nanotube composites. <i>Journal of Materials Science</i> , 2013 , 48, 7063-7070	4.3	8
31	Study on PVC composites containing Eugenia jambolana wood flour. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2171-2179	2.9	8
30	Methacrylate/acrylate terminated derivatives of diglycidyl hexahydrophthalate: Synthesis, structural, and thermal characterization. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 2414-2420	2.9	8
29	Adsorptive studies on the removal of dyes from single and binary systems using Saccharum munja plant-based novel functionalized CNT composites. <i>Environmental Technology and Innovation</i> , 2021 , 24, 102015	7	8
28	Curing kinetics and thermal properties of imide containing phthalonitrile resin using aromatic amines. <i>Thermochimica Acta</i> , 2020 , 693, 178749	2.9	8
27	Growth of carbon nanotube filaments on carbon fiber cloth by catalytic chemical vapor deposition. <i>Applied Nanoscience (Switzerland)</i> , 2014 , 4, 997-1003	3.3	7
26	Isothermal crystallization kinetics of poly(trimethylene terephthalate)/multiwall carbon nanotubes composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 114, 643-651	4.1	7
25	Role of compatibilizer and processing method on the mechanical, thermal and barrier properties of polystyrene/organoclay nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2013 , 32, 740-757	2.9	7
24	Interpenetrating Polymer Networks Based on Gelatin and Poly(Vinyl Pyrrolidone): Evaluation of Degradation, Histocompatibility, Cytotoxicity, and Drug Release. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012 , 61, 1115-1129	3	7
23	Curing and thermal behaviour of epoxy resin in the presence of pyromellitic dianhydride and imidazole. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 2593-2598	2.9	7

22	Effect of structure on mechanical properties of vinyl ester resins and their glass fiber-reinforced composites. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 1942-1948	2.9	7
21	Morphological, mechanical, and in vitro cytocompatibility analysis of poly(vinyl alcohol)/silica glass hybrid scaffolds reinforced with cellulose nanocrystals. <i>International Journal of Polymer Analysis and Characterization</i> , 2017 , 22, 139-151	1.7	6
20	Rheological, melting and crystallization behaviour of an open cage POSS/PTT nanocomposite prepared by melt blending. <i>International Journal of Plastics Technology</i> , 2010 , 14, 7-23	2.7	6
19	Copolymerization of methyl methacrylate with N-(methoxyphenyl) itaconimides. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 987-996	2.9	6
18	In-situ fabrication of surfactant modified CNT-based novel bio-composite and its performance evaluation for simultaneous removal of anionic dyes: Optimization by Box-Behnken design. <i>Separation and Purification Technology</i> , 2022 , 284, 120262	8.3	6
17	N-(n-Alkyl)-2-pyridinemethanimine mediated atom transfer radical polymerization of lauryl methacrylate: Effect of length of alkyl group. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 31-37	2.9	5
16	Synthesis and characterization of biodegradable interpenetrating polymer networks based on gelatin and divinyl ester synthesized from poly(caprolactone diol). <i>Journal of Applied Polymer Science</i> , 2009 , 111, 1478-1487	2.9	5
15	Curing and thermal behavior of diglycidyl ether of bisphenol A in the presence of a mixture of amines. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 1739-1747	2.9	5
14	Synthesis, characterizations and thermal behavior of methyl methacrylate and N-(p-carboxyphenyl) methacrylamide/acrylamide copolymers. <i>Journal of Applied Polymer Science</i> , 2000 , 78, 259-267	2.9	5
13	Microstructure determination of methyl methacrylate-N-arylsubstituted itaconimide copolymers by NMR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 491-497	2.9	4
12	Copolymerization of N-(4-carboxyphenyl) itaconimide or N-(4-carboxyphenyl) itaconamic acid with methyl methacrylate. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1909-1915	2.9	4
11	Structural, thermal, morphological and dynamic mechanical characteristics of waste-reinforced polypropylene composites: A novel approach for recycling electronic waste. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	4
10	Preparation and characterization of copolymers from methyl methacrylate and cardanyl methacrylate. <i>Angewandte Makromolekulare Chemie</i> , 1997 , 248, 95-104		3
9	Effect of isomerization on thermal behaviour of bisitaconimides. <i>Polymer International</i> , 2002 , 51, 493-503	3.3	3
8	Semi-interpenetrating polymer networks of poly (vinyl alcohol)-functionalized nanocrystals/sulfonated poly (ether ether ketone) (PVA-FNCs/SPEEK) as fuel cell membrane. <i>Materials Today Communications</i> , 2021 , 29, 102897	2.5	3
7	Poly(vinyl chloride)/acacia bark flour composite: Effect of particle size and filler content on mechanical, thermal, and morphological characteristics. <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA	2.9	2
6	Studies on the copolymerisation of N-isopropyl-acrylamide with glycidyl methacrylate. <i>Macromolecular Symposia</i> , 2004 , 210, 49-57	0.8	2
5	Ballistic behavior of multiwalled carbon nanotube-reinforced toughened polycarbonate nanocomposites. <i>Polymer Composites</i> , 2020 , 41, 1813-1819	3	2

4	Boosting Selectivity and Sensitivity to Biomarkers of Quantum Resistive Vapour Sensors Used for Volatolomics with Nanoarchitected Carbon Nanotubes or Graphene Platelets Connected by Fullerene Junctions. <i>Chemosensors</i> , 2021 , 9, 66	4	2
3	Factorial experimental design approach in semicontinuous emulsion polymerization of methyl methacrylate to study the effect of process variables. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3742-3749 ¹	2.9	0
2	Novel composites of Pennisetum glaucum with CNT: preparation, characterization and application for the removal of safranin O and methylene blue dyes from single and binary systems. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
1	Simultaneous adsorption of three anionic dyes at neutral pH from their individual and multi-component systems on a CTAB modified Pennisetum glaucum based carbon nanotube green composite: Adsorption mechanism and process optimization by Box-Behnken design model. <i>Journal of Molecular Liquids</i> , 2022 , 358, 119223	6	0