

Ramasamy Anbarasan

List of Publications by Year
in descending order

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141
papers

1,509
citations

471509
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143
all docs

143
docs citations

143
times ranked

1290
citing authors

#	ARTICLE	IF	CITATIONS
1	The structural properties of Poly(aniline)â€”Analysis via FTIR spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 1229-1234.	3.9	132
2	Ultrasound assisted one pot synthesis of nano-sized CuO and its nanocomposite with poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	3.7	112
3	Adsorption and intercalation of anionic surfactants onto layered double hydroxidesâ€”XRD study. Bulletin of Materials Science, 2005, 28, 145-149.	1.7	48
4	Synthesis and characterizations of nano sized MgO and its nano composite with poly(vinyl alcohol). Journal of Non-Crystalline Solids, 2011, 357, 181-185.	3.1	44
5	Optical, electrical, mechanical, and thermal properties and non-isothermal decomposition behavior of poly(vinyl alcohol)â€”ZnO nanocomposites. Iranian Polymer Journal (English Edition), 2020, 29, 411-422.	2.4	43
6	Synthesis, characterization and adsorption behavior of cotton fiber based Schiff base. International Journal of Biological Macromolecules, 2018, 107, 1102-1112.	7.5	39
7	Optical, thermal, mechanical properties, and nonâ€”isothermal degradation kinetic studies on PVA/CuO nanocomposites. Polymer Composites, 2019, 40, 3737-3748.	4.6	39
8	Synthesis, characterizations, and mechanical properties of structurally modified poly(vinyl alcohol). Journal of Applied Polymer Science, 2010, 117, 2059-2068.	2.6	34
9	Synthesis and characterizations of nano-sized Ni(OH) ₂ and Ni(OH) ₂ /poly(vinyl alcohol) nano composite. Journal of Materials Science, 2009, 44, 5852-5860.	3.7	27
10	SYNTHESIS AND CHARACTERIZATION OF NANOSIZED $Mg(OH)_2$ AND ITS NANOCOMPOSITE WITH POLY (VINYL ALCOHOL). Nano, 2009, 04, 147-156.	1.0	25
11	Near infrared dye functionalized MWCNT as an effective initiator for the ring opening polymerization of Îµ-caprolactone. Journal of Polymer Research, 2013, 20, 1.	2.4	24
12	CLAY CATALYZED SYNTHESIS OF BIO-DEGRADABLE POLY(GLYCOLIC ACID). Chinese Journal of Polymer Science (English Edition), 2008, 26, 393.	3.8	23
13	Peroxomonosulphate initiated graft copolymerization of o-toluidine onto nylon 6 and wool fibers?A kinetic approach. Journal of Applied Polymer Science, 2002, 85, 2317-2326.	2.6	20
14	Functionalization and cross-linking of high-density polyethylene in the presence of dicumyl peroxideâ€”An FTIR study. Journal of Applied Polymer Science, 2005, 97, 766-774.	2.6	20
15	Synthesis, characterizations and hydrophobicity of micro/nano scaled heptadecafluorononanoic acid decorated copper nanoparticle. Nano-Micro Letters, 2010, 2, 101-105.	27.0	20
16	A novel report on Eosin Y functionalized MWCNT as an initiator for ring opening polymerization of Îµ-caprolactone. Materials Chemistry and Physics, 2011, 126, 584-590.	4.0	19
17	Synthesis and characterization of nanoâ€”sized NiO and its surface catalytic effect on poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 10	2.6	18
18	Synthesis, Characterization, Drug Delivery, and Splinting Activity of Folic Acid Bridged Poly(Îµ-caprolactone-co-tetrahydrofuran). International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 620-627.	3.4	18

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19	Ester and epoxide functionalization of high-density polyethylene by thermolysis methodâ€”An FTIR study. <i>Journal of Applied Polymer Science</i> , 2005, 97, 761-765.	2.6	17
20	Metal oxide-assisted chemical synthesis of poly(β -naphthylamine) and characterizations. <i>Journal of Materials Science</i> , 2009, 44, 3542-3555.	3.7	17
21	Synthesis and characterizations of novel acid functionalized and fluorescent poly(μ -caprolactone). <i>Journal of Materials Science</i> , 2011, 46, 1796-1805.	3.7	17
22	Synthesis, characterization and catalytic activity of Ag-acidfuchsin nanohybrid system towards the ring opening polymerization of μ -caprolactone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 93-100.	3.9	17
23	Evaluation of mechanical, optical and thermal properties of PVA nanocomposites embedded with Fe ₂ O ₃ nanofillers and the investigation of their thermal decomposition characteristics under non-isothermal heating condition. <i>Polymer Bulletin</i> , 2021, 78, 2191-2210.	3.3	17
24	Synthesis and Characterizations of Poly(aniline)â€”Natural Clay Nanocomposites. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2006, 55, 803-814.	3.4	16
25	Synthesis and Characterization of Nano-sized Zn(OH) ₂ and Zn(OH) ₂ /PVA Nano-composite. <i>Composite Interfaces</i> , 2010, 17, 757-774.	2.3	16
26	Fabrication of hierarchical structured superhydrophobic Copper surface by in-situ method with micro/nano scaled particles. <i>Materials Letters</i> , 2012, 66, 299-301.	2.6	16
27	Synthesis, characterization and drug release activity of poly(μ -caprolactone)/Fe ₃ O ₄ â€”alizarinred nanocomposites. <i>Nanocomposites</i> , 2016, 2, 98-107.	4.2	16
28	Peroxydisulphate initiated graft copolymerization of o-toluidine onto synthetic fibres - A kinetic approach. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 1869-1876.	2.2	15
29	Effect of folic acid decorated magnetic fluorescent nanoparticles on the sedimentation of starch molecules. <i>International Nano Letters</i> , 2014, 4, 1.	5.0	15
30	Synthesis of fluorescent diblock copolymer nanoparticle supported catalyst for the reduction of Cr(VI), p-nitrophenol and rhodamine 6G dye: a comparative study. <i>Bulletin of Materials Science</i> , 2017, 40, 591-598.	1.7	15
31	Enhancement in thermal, mechanical and electrical properties of novel PVA nanocomposite embedded with SrO nanofillers and the analysis of its thermal degradation behavior by nonisothermal approach. <i>Polymer Composites</i> , 2020, 41, 1277-1290.	4.6	15
32	Synthesis, characterization and drug delivery activity of poly(anthranilic acid) based triblock copolymer. <i>Synthetic Metals</i> , 2014, 189, 143-151.	3.9	14
33	Synthesis, characterization and band gap energy of poly(μ -caprolactone)/Sr-MSA nano-composite. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 135109.	2.8	13
34	Synthesis, characterization, catalytic and splinting activity of nano Ag end capped γ -glutathione bridged amphiphilic diblock copolymer. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	13
35	Synthesis, characterisation and non-isothermal degradation kinetics of novel poly(mono ethylene) Tj ETQq1 1 0.784314 rgBT /Overlook	1.7	13
36	Synthesis, characterization, and catalytic activity of fluorescent polyimide nanocomposites. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	13

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37	Synthesis of <i>Murraya koenigii</i> Mediated Silver Nanoparticles and Their In Vitro and In Vivo Biological Potential. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2971-2979.	3.7	13
38	Sonochemical polymerization of acrylic acid and acrylamide in the presence of a new redox system? A comparative study. <i>Journal of Applied Polymer Science</i> , 2003, 89, 3685-3692.	2.6	12
39	Functionalization of HDPE with aminoester and hydroxyester by thermolysis method—An FTIR-RI approach. <i>Thermochimica Acta</i> , 2010, 510, 61-67.	2.7	12
40	Melt surface grafting of HDPE with mercaptoesters by thermolysis method. <i>Polymer Engineering and Science</i> , 2010, 50, 474-483.	3.1	12
41	Non-isothermal crystallization kinetics and degradation kinetics studies on barium thioglycolate end-capped poly(μ -caprolactone). <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3129-3140.	3.6	12
42	Efficient catalytic activity of novel fluorescent polyimide embedded Ag and V ₂ O ₅ nanoparticles towards the removal of hazardous pollutants. <i>Journal of Hazardous Materials</i> , 2021, 414, 125606.	12.4	12
43	Synthesis and characterization of novel fluorescent amphiphilic diblock copolymer. <i>Polymer Bulletin</i> , 2016, 73, 2147-2163.	3.3	11
44	Synthesis and characterizations of poly(β -naphthylamine)-Nanocomposites. <i>Polymer Composites</i> , 2008, 29, 949-953.	4.6	10
45	Synthesis and characterisations of poly(aniline-co-o/m-toluidine)/Sb ₂ O ₃ nanocomposites. <i>Micro and Nano Letters</i> , 2010, 5, 241.	1.3	10
46	Melt functionalization of linear low-density poly(ethylene) with succinimide and α -hydroxy succinimide by thermolysis method. <i>Journal of Applied Polymer Science</i> , 2010, 115, 315-323.	2.6	10
47	Chemical synthesis of poly(aniline-co-o/m-toluidine)/V ₂ O ₅ nano composites and their characterizations. <i>Synthetic Metals</i> , 2010, 160, 2605-2612.	3.9	10
48	Effect of Fe ₃ O ₄ on the sedimentation and structure–property relationship of starch under different pHs. <i>International Journal of Biological Macromolecules</i> , 2014, 67, 91-98.	7.5	10
49	Synthesis and characterization of fluorescent bio-degradable Poly (μ -Caprolactone). <i>International Journal of Plastics Technology</i> , 2014, 18, 135-145.	3.1	10
50	Synthesis and characterization of nano Ag end capped L-cysteine bridged diblock copolymer. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 1404-1420.	3.8	10
51	Synthesis, Characterization and Applications of Poly(sulfanilic acid)-Based Triblock Copolymer. <i>Advances in Polymer Technology</i> , 2016, 35, .	1.7	10
52	Sonication-assisted synthesis of polystyrene (PS)/organoclay nanocomposites: influence of clay content. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 215-223.	3.1	10
53	Low temperature splinting activity and catalytic behavior of nano Ag doped sulphamic acid bridged diblock copolymer. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2025-2035.	3.2	10
54	Peroxosalts initiated graft copolymerization of aniline onto rayon fiber? A kinetic approach. <i>Journal of Applied Polymer Science</i> , 2001, 81, 468-478.	2.6	9

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55	Synthesis, characterization and catalytic activity of nanosized Ni complexed aminoclay. Applied Nanoscience (Switzerland), 2017, 7, 577-588.	3.1	9
56	Synthesis, characterization, catalytic activity and solar cell study of poly(aniline-co-thymolblue)/metal oxide nanocomposites. Synthetic Metals, 2017, 232, 144-151.	3.9	9
57	Non-isothermal Crystallization and Degradation Kinetics of Fe ₃ O ₄ –Thymolblue Functionalized Poly(μ-caprolactone). Journal of Polymers and the Environment, 2019, 27, 1259-1272.	5.0	9
58	Fabrication of polystyrene/carbon nanocomposites with superior mechanical properties. Polymer Engineering and Science, 2020, 60, 2046-2056.	3.1	9
59	Peroxomonosulphate initiated graft copolymerization of aniline onto poly(propylene) fibre - A kinetic approach. Composite Interfaces, 2000, 7, 317-329.	2.3	8
60	Peroxosalts Initiated Graft Copolymerization of o-toluidine onto Rayon Fibre – A Kinetic Approach. International Journal of Polymeric Materials and Polymeric Biomaterials, 2001, 48, 199-223.	3.4	8
61	Ftir Spectroscopy: A Useful Tool for Structural Determination of Polyaniline and its Nanocomposites. Polymers and Polymer Composites, 2009, 17, 411-421.	1.9	8
62	Synthesis and characterizations of calcium di(meth)acrylate divinyl monomers and melt surface graft functionalization with linear low density poly(ethylene). Journal of Applied Polymer Science, 2010, 115, 2582-2590.	2.6	8
63	Synthesis and characterization of Rosebengal/folicacid-functionalized multiwall carbon nanotubes. Journal of Materials Science, 2011, 46, 992-998.	3.7	8
64	Synthesis and characterization of Polymethacrylamide–Clay nanocomposites. Journal of Applied Polymer Science, 2011, 121, 563-573.	2.6	8
65	Synthesis, characterization and drug-delivery activity of rifampin anchored poly(vinyl alcohol). Bulletin of Materials Science, 2016, 39, 201-207.	1.7	8
66	Catalytic activity of Ni complexed aminoclay towards the reduction of Cr(V), p-nitrophenol and fluorescein dye. Applied Nanoscience (Switzerland), 2017, 7, 655-666.	3.1	8
67	Synthesis, characterization, application and band gap study of calcium mercaptosuccinate. Journal of Thermoplastic Composite Materials, 2017, 30, 1056-1068.	4.2	8
68	Synthesis, Characterization, Catalytic Reduction, and Splinting Activity of Poly(μ-caprolactone–co-morpholine)/Ag Nanocomposite. Advances in Polymer Technology, 2018, 37, 390-398.	1.7	8
69	Crystallization and degradation kinetics studies on Cu-TG functionalized poly(μ-caprolactone) by non-isothermal approach. Journal of Polymer Research, 2019, 26, 1.	2.4	7
70	Synthesis, characterization and ring opening activity of barium mercaptoacetate towards μ-caprolactone. Polymer Bulletin, 2019, 76, 5381-5397.	3.3	7
71	Structural modification of aminoclay for catalytic applications. Chemical Engineering Communications, 2020, 207, 871-886.	2.6	7
72	In-vitro and in-vivo biological potential of the prepared Feroniella lucida mediated silver nanoparticles. Journal of Sol-Gel Science and Technology, 2022, 101, 411-419.	2.4	7

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73	Free-radical grafting of 4-vinyl pyridine onto nylon 6 fiber. Journal of Applied Polymer Science, 2002, 86, 3108-3113.	2.6	6
74	Synthesis and characterizations of nanosized iron(II) hydroxide and iron(II) hydroxide/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	2.6	6
75	Synthesis, characterization and catalytic activity of furosemide-functionalized ferrite on the sedimentation behavior of starch. Applied Nanoscience (Switzerland), 2015, 5, 83-91.	3.1	6
76	Synthesis, characterization and application of superhydrophobic low-cost Cu and Al nanoparticles. International Nano Letters, 2018, 8, 147-156.	5.0	6
77	Structural, microstructural, electrical, thermal and non-isothermal degradation kinetic studies on technologically important poly(aniline)/CdO nanocomposites. Journal of Sol-Gel Science and Technology, 2019, 91, 611-623.	2.4	6
78	Characterization and application of Cu based superhydrophobic catalyst. Progress in Natural Science: Materials International, 2019, 29, 371-378.	4.4	6
79	Modification of nano-sized layered double hydroxides by long-chain organic aliphatic surfactants. Journal of the Serbian Chemical Society, 2008, 73, 321-331.	0.8	5
80	Effect of multiwall carbon nanotube and au nanoparticle on the structureâ€“property relationship of poly(<i>N</i> -isopropyl acrylamide). Journal of Applied Polymer Science, 2012, 124, 3996-4006.	2.6	5
81	Thermal studies on benzamide and benzanilide grafted LDPE. Journal of Thermal Analysis and Calorimetry, 2015, 119, 73-84.	3.6	5
82	Synthesis, spectral analysis, and catalytic activity of poly(anilineâ€“co- <i>g</i> -conjugated)â€“metal oxide nanocomposites. Journal of Applied Polymer Science, 2018, 135, 46469.	2.6	5
83	Aminoclay functionalized zinc nanoparticle: synthesis, spectral characterization and catalytic study. International Journal of Environmental Science and Technology, 2019, 16, 4621-4630.	3.5	5
84	Synthesis, characterization and catalytic activity of copolymer/metal oxide nanocomposites. Polymer Bulletin, 2019, 76, 4117-4138.	3.3	5
85	Synthesis, characterization and applications of nano-Ag-tagged poly(μ -caprolactone-block-tetrahydrofuran). Polymer Bulletin, 2020, 77, 2631-2657.	3.3	5
86	Conjugated hydrophobic and hydrophilic blocks through a drug moiety as a leading macromolecular system for sustainable drug delivery. Journal of Polymer Research, 2020, 27, 1.	2.4	5
87	Preparation of cellulose-PVA blended hydrogels for wound healing applications with controlled release of the antibacterial drug: an in vitro anticancer activity. Biomass Conversion and Biorefinery, 2024, 14, 3385-3395.	4.6	5
88	Synthesis and characterization of functionalized polyvinylidene fluoride (PVPDF) and the high temperature catalytic activity of PVPDF-g-MAH/V ₂ O ₅ nanocomposite toward transesterification reaction. Polymer Engineering and Science, 2022, 62, 3010-3025.	3.1	5
89	Effect of Substituents and Dopants on the Structureâ€“Property Relationship of Poly(Aniline)â€“A Comparative Study. Journal of Macromolecular Science - Physics, 2011, 50, 704-719.	1.0	4
90	Thermal, melting and crystallinity behavior of esters grafted LDPE by thermolysis method. International Journal of Plastics Technology, 2013, 17, 61-74.	3.1	4

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91	Synthesis and characterization of magnetic and fluorescent styrene co- ϵ -polymer nanofiber. Journal of Applied Polymer Science, 2015, 132, .	2.6	4
92	Synthesis, characterization and drug release activity of poly(epichlorohydrin-g-furoseimide) system. Chemical Papers, 2018, 72, 2987-2996.	2.2	4
93	Evaluation of kinetic parameters for the crystallization and degradation process of synthesized strontium mercaptosuccinate functionalized poly(μ -caprolactone) by non-isothermal approach. Iranian Polymer Journal (English Edition), 2019, 28, 549-562.	2.4	4
94	Non-Isothermal Crystallization and Degradation Kinetic Studies of Synthesized Mo-TG end Capped Poly(μ -Caprolactone). Macromolecular Research, 2019, 27, 386-395.	2.4	4
95	Thermal degradation and crystallization kinetics studies on synthesized calcium mercaptosuccinate end-capped poly(μ -caprolactone) nanocomposite. Polymer Bulletin, 2019, 76, 4991-5009.	3.3	4
96	Crystallinity Change and Reduced Warpages on Thin Walled Parts-the Effect of Nano Fumed Silica on Polyacetal. Silicon, 2021, 13, 4611-4622.	3.3	4
97	Spectral, thermal and morphological studies of fluorescent dye grafted diblock copolymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 387-397.	2.2	4
98	Effect of amine and acid functionalization on polyimide: A structure-property relationship study. Reactive and Functional Polymers, 2022, 173, 105237.	4.1	4
99	Peroxy Disulphate Initiated Graft Copolymerization of o-toluidine onto Wool and Nylon6 Fibres -A Kinetic Approach. International Journal of Polymeric Materials and Polymeric Biomaterials, 2001, 49, 379-406.	3.4	3
100	Peroxydisulfate initiated graft copolymerization of aniline onto poly(propylene) fiber?A kinetic approach. Journal of Applied Polymer Science, 2003, 90, 3827-3834.	2.6	3
101	Melt functionalization of LDPE with thio ester, amino ester, and hydroxy ester by thermolysis method- FTIR study. Journal of Applied Polymer Science, 2011, 122, 2252-2261.	2.6	3
102	Synthesis and characterisation of poly(epichlorohydrin-g-Fe 3O_4 /congo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (red)-co-poly(meth...	2.4	3
103	Removal of hazardous pollutants from wastewater: Catalytic applications of Mg nanoparticle functionalized aminoclay. Journal of Molecular Liquids, 2019, 296, 112005.	4.9	3
104	Micro structural and non-isothermal crystallization and degradation kinetics studies on manganese thioglycolate end capped poly(μ -caprolactone). Polymer Engineering and Science, 2019, 59, 633-642.	3.1	3
105	Structural, thermal, spectral and sustainable drug release studies of deoxyfluorouridine tagged poly(d,l-Lactide). Polymer Bulletin, 2020, , 1.	3.3	3
106	Structural and Thermal Studies of Fluorescein and Rhodamin6G Grafted Diblock Copolymers. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3549-3561.	3.7	3
107	Effect of macro and molecular initiators on the structure-property relationship of poly(μ -caprolactone). Journal of Thermoplastic Composite Materials, 0, , 089270572110271.	4.2	3
108	Schiff base-Cu $^{2+}$ complex catalyzed and initiated ring opening polymerization of ϵ -Caprolactone: Synthesis and characterization. Journal of Polymer Research, 2021, 28, 1.	2.4	3

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109	Structural, Thermal, Morphological, Adsorption and Catalytic Properties of Poly(BPDAH-co-ODA/PPDA)-Ag/V2O5 Nanocomposites. Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 155-174.	1.1	3
110	Synthesis, characterization and catalytic applications of CuO–NiO bimetallic oxide nanoparticles towards the reduction of hazardous pollutants, derivative preparation and cross linking reaction. Applied Nanoscience (Switzerland), 2022, 12, 1643-1656.	3.1	3
111	Synthesis, characterization, and drug release activity of structurally modified poly(vinyl alcohol). Journal of Applied Polymer Science, 2018, 135, 46620.	2.6	2
112	Synthesis, characterization, and catalytic application of ecofriendly Ca-bridged aminoclay. International Journal of Chemical Kinetics, 2019, 51, 889-902.	1.6	2
113	Synthesis, characterization and non-isothermal degradation kinetics of poly(μ -caprolactone)/Fe ₃ O ₄ -dye nanocomposites. SN Applied Sciences, 2019, 1, 1.	2.9	2
114	Plasmonic silver nanospheres embedded μ -caprolactone/reduced graphite oxide nanolayers as active SERS substrates. Materials Science and Engineering C, 2019, 101, 431-437.	7.3	2
115	Characterization and applications of amino acid-bridged nano-Ag end-capped diblock copolymer. Iranian Polymer Journal (English Edition), 2020, 29, 77-90.	2.4	2
116	Effect of nucleating agents on the non-isothermal crystallization and degradation kinetics of poly(ethylene terephthalate). Polymers for Advanced Technologies, 2021, 32, 766-778.	3.2	2
117	Structural modification of natural fibers for fluorescent probe application. Polymers for Advanced Technologies, 2021, 32, 3205-3219.	3.2	2
118	Evaluation of physicochemical properties and catalytic activity of poly(PMDAH-co-ODA/PPDA) nanocomposites towards the removal of toxic pollutants. Chemosphere, 2021, 271, 129890.	8.2	2
119	SYNTHESIS AND CHARACTERIZATIONS OF Al(OH) ₃ AND Mg(OH) ₂ IN THE PRESENCE OF POLY(VINYL) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td	0.7	1
120	Synthesis and characterizations of Cd ²⁺ , Pb ²⁺ and Sr ²⁺ containing divinyl monomers and their melt grafting reaction with LLDPE: an FTIR approach. Journal of Materials Science, 2010, 45, 3289-3299.	3.7	1
121	Melt grafting of metal salts onto LLDPE backbone – An FTIR study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 76, 37-44.	3.9	1
122	The Effect of Nanosized Layered Materials on the Structure-Property Relationship of Poly(aniline)s: An FTIR Kinetic Study. International Journal of Polymeric Materials and Polymeric Biomaterials, 2010, 60, 174-198.	3.4	1
123	Synthesis and characterization of Eosin Y functionalized MWCNT. , 2010, , .		1
124	Effect of sulphanilamide functionalized Fe ₃ O ₄ nanohybrid on the settling behavior of starch. International Journal of Plastics Technology, 2015, 19, 167-177.	3.1	1
125	Synthesis, characterization and catalytic activity of poly(Schiff base). International Journal of Plastics Technology, 2017, 21, 326-337.	3.1	1
126	Non-isothermal degradation kinetics of novel poly(monoethyleneglycol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (dimethacrylate-co-polymerization reaction. International Journal of Plastics Technology, 2019, 23, 29-38.	3.1	1

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127	Synthesis, characterization and sustainable drug release activity of drug bridged diblock copolymer. SN Applied Sciences, 2019, 1, 1.	2.9	1
128	Facile synthesis of Fe nanospheres anchored aminoclay and its catalytic reduction of hazardous pollutants and oxidation activity. Journal of Dispersion Science and Technology, 2020, , 1-11.	2.4	1
129	Synthesis, characterizations and hydrophobicity of micro/nano scaled heptadecafluorononanoic acid decorated copper nanoparticle. Nano-Micro Letters, 2010, 2, 101.	27.0	1
130	Synthesis and characterization of polysulfone-graft-poly(vinylchloride)-graft-2-methylimidazole membranes with Cu ₂ O nanoparticles. Journal of Thermoplastic Composite Materials, 2023, 36, 2265-2284.	4.2	1
131	Effect of Polymer Structure on the Size and Shape of Metal and Metaloxide Nanopowder: A HR-TEM Approach. Nano, 0, , .	1.0	1
132	Modification of Textile Fibers. International Journal of Polymeric Materials and Polymeric Biomaterials, 2002, 51, 1-20.	3.4	0
133	Catalytic activity of V ₂ O ₅ on aniline polymerization and the study of structural properties of poly(aniline)/V ₂ O ₅ nano composite. E-Polymers, 2010, 10, .	3.0	0
134	FTIR study of the melt grafting of high density polyethylene with amino, sulfonate, and mercapto esters. Journal of Applied Spectroscopy, 2010, 77, 619-625.	0.7	0
135	Synthesis and characterization of pH responsive poly(vinyl chloride). International Journal of Plastics Technology, 2016, 20, 28-41.	3.1	0
136	Effect of Magnetic Nanohybrid on the Structure–Property Relationship of Poly(Styrene) Based Copolymer. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 854-862.	3.7	0
137	Synthesis, characterization, and application of fluorescent electrically conducting copolymer/metal-oxide nanocomposites. Polymer-Plastics Technology and Materials, 2019, 58, 1556-1570.	1.3	0
138	Catalytic reduction study of Zn anchored amnioclay towards the removal of hazardous pollutants. Materials Today: Proceedings, 2020, , .	1.8	0
139	Effect of substituents on the adsorption behaviour of aza-Michael addition polymers: a comparative study. Polymer Bulletin, 0, , 1.	3.3	0
140	Efficient catalytic application of Cu-Fe bimetallic nanoparticles towards the preparation of bio-medically important polymer based Schiff bases. Surfaces and Interfaces, 2021, 25, 101197.	3.0	0
141	Synthesis and characterization of metal-mercaptoacetate hybrids and its application towards ring-opening polymerization of μ -caprolactone: a comparative study. Polymer Bulletin, 0, , 1.	3.3	0