

Hossein Roghani-Mamaqani

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

185
papers

4,671
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189
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5,526
ext. citations

4.6
avg, IF

6.68
L-index

#	Paper	IF	Citations
185	Stimulus-responsive polymeric nanogels as smart drug delivery systems. <i>Acta Biomaterialia</i> , 2019 , 92, 1-18	10.8	149
184	Photoluminescent and Chromic Nanomaterials for Anticounterfeiting Technologies: Recent Advances and Future Challenges. <i>ACS Nano</i> , 2020 , 14, 14417-14492	16.7	109
183	Nanocrystalline cellulose grafted random copolymers of N-isopropylacrylamide and acrylic acid synthesized by RAFT polymerization: effect of different acrylic acid contents on LCST behavior. <i>RSC Advances</i> , 2014 , 4, 31428-31442	3.7	101
182	A structural study on ethylenediamine- and poly(amidoamine)-functionalized graphene oxide: simultaneous reduction, functionalization, and formation of 3D structure. <i>RSC Advances</i> , 2015 , 5, 71835-71843	3.7	94
181	Synthesis of pH-sensitive poly (N,N-dimethylaminoethyl methacrylate)-grafted halloysite nanotubes for adsorption and controlled release of DPH and DS drugs. <i>Polymer</i> , 2015 , 65, 143-153	3.9	91
180	Stimuli-chromism of photoswitches in smart polymers: Recent advances and applications as chemosensors. <i>Progress in Polymer Science</i> , 2019 , 98, 101149	29.6	89
179	In Situ Controlled Radical Polymerization: A Review on Synthesis of Well-defined Nanocomposites. <i>Polymer Reviews</i> , 2012 , 52, 142-188	14	87
178	The light-controlling of temperature-responsivity in stimuli-responsive polymers. <i>Polymer Chemistry</i> , 2019 , 10, 5686-5720	4.9	83
177	Rewritable Anticounterfeiting Polymer Inks Based on Functionalized Stimuli-Responsive Latex Particles Containing Spiropyran Photoswitches: Reversible Photopatterning and Security Marking. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39279-39292	9.5	78
176	A grafting from approach to graft polystyrene chains at the surface of graphene nanolayers by RAFT polymerization: Various graft densities from hydroxyl groups. <i>Applied Surface Science</i> , 2016 , 360, 373-382	6.7	65
175	Polystyrene-grafted graphene nanoplatelets with various graft densities by atom transfer radical polymerization from the edge carboxyl groups. <i>RSC Advances</i> , 2014 , 4, 24439-24452	3.7	63
174	Poly(propylene imine) dendrimer-grafted nanocrystalline cellulose: Doxorubicin loading and release behavior. <i>Polymer</i> , 2017 , 117, 287-294	3.9	62
173	Preparation of hyperbranched poly (amidoamine)-grafted graphene nanolayers as a composite and curing agent for epoxy resin. <i>Applied Surface Science</i> , 2018 , 428, 1061-1069	6.7	59
172	Novolac phenolic resin and graphene aerogel organic-inorganic nanohybrids: High carbon yields by resin modification and its incorporation into aerogel network. <i>Polymer Degradation and Stability</i> , 2016 , 124, 1-14	4.7	58
171	Grafting poly (amidoamine) dendrimer-modified silica nanoparticles to graphene oxide for preparation of a composite and curing agent for epoxy resin. <i>Polymer</i> , 2017 , 126, 152-161	3.9	57
170	Reverse atom transfer radical polymerization of methyl methacrylate in the presence of Azo-functionalized carbon nanotubes: a grafting from approach. <i>Colloid and Polymer Science</i> , 2014 , 292, 2971-2981	2.4	56
169	Synthesis of dual-sensitive nanocrystalline cellulose-grafted block copolymers of N-isopropylacrylamide and acrylic acid by reversible addition-fragmentation chain transfer polymerization. <i>Cellulose</i> , 2017 , 24, 2241-2254	5.5	54

168	Preparation of organic-inorganic hybrid nanocomposites from chemically modified epoxy and novolac resins and silica-attached carbon nanotubes by sol-gel process: Investigation of thermal degradation and stability. <i>Progress in Organic Coatings</i> , 2018 , 117, 154-165	4.8	49
167	In situ atom transfer radical polymerization of styrene to in-plane functionalize graphene nanolayers: grafting through hydroxyl groups. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	49
166	Light-, temperature-, and pH-responsive micellar assemblies of spiropyran-initiated amphiphilic block copolymers: Kinetics of photochromism, responsiveness, and smart drug delivery. <i>Materials Science and Engineering C</i> , 2020 , 109, 110524	8.3	49
165	Grafting of poly(acrylic acid) onto poly(amidoamine)-functionalized graphene oxide via surface-mediated reversible addition-fragmentation chain transfer polymerization. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 302-309	3	48
164	Matrix-grafted multiwalled carbon nanotubes/poly(methyl methacrylate) nanocomposites synthesized by in situ RAFT polymerization: A kinetic study. <i>International Journal of Chemical Kinetics</i> , 2012 , 44, 555-569	1.4	48
163	Preparation of tailor-made polystyrene nanocomposite with mixed clay-anchored and free chains via atom transfer radical polymerization. <i>AIChE Journal</i> , 2011 , 57, 1873-1881	3.6	48
162	Light- and temperature-responsive micellar carriers prepared by spiropyran-initiated atom transfer polymerization: Investigation of photochromism kinetics, responsivities, and controlled release of doxorubicin. <i>Polymer</i> , 2020 , 187, 122046	3.9	48
161	Light-Induced Aggregation and Disaggregation of Stimuli-Responsive Latex Particles Depending on Spiropyran Concentration: Kinetics of Photochromism and Investigation of Reversible Photopatterning. <i>Langmuir</i> , 2018 , 34, 13910-13923	4	47
160	Surface-initiated ATRP of styrene from epoxy groups of graphene nanolayers: twofold polystyrene chains and various graft densities. <i>RSC Advances</i> , 2015 , 5, 53357-53368	3.7	46
159	Functionalization of carbon nanotubes by combination of controlled radical polymerization and "grafting to" method. <i>Advances in Colloid and Interface Science</i> , 2020 , 278, 102126	14.3	46
158	Edge-functionalized graphene nanoplatelets with polystyrene by atom transfer radical polymerization: grafting through carboxyl groups. <i>Polymer International</i> , 2014 , 63, 1912-1923	3.3	46
157	Synthesis and characterization of clay dispersed polystyrene nanocomposite via atom transfer radical polymerization. <i>Polymer Composites</i> , 2010 , 31, 1829-1837	3	46
156	Synthesis and characterization of poly(propylene imine)-dendrimer-grafted gold nanoparticles as nanocarriers of doxorubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 155, 257-265	6	45
155	Properties of PMMA/Carbon nanotubes nanocomposites prepared by grafting through method. <i>Polymer Composites</i> , 2012 , 33, 215-224	3	45
154	A study on the properties of PMMA/silica nanocomposites prepared via RAFT polymerization. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	44
153	Hybrid and hollow Poly(N,N-dimethylaminoethyl methacrylate) nanogels as stimuli-responsive carriers for controlled release of doxorubicin. <i>Polymer</i> , 2019 , 180, 121716	3.9	43
152	Grafting poly (methyl methacrylate) from azo-functionalized graphene nanolayers via reverse atom transfer radical polymerization. <i>Colloid and Polymer Science</i> , 2015 , 293, 735-750	2.4	42
151	In-plane functionalizing graphene nanolayers with polystyrene by atom transfer radical polymerization: Grafting from hydroxyl groups. <i>Polymer Composites</i> , 2014 , 35, 386-395	3	41

150	Grafting through a reversible addition-fragmentation chain transfer polymerization. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 66, 337-344	2.3	41
149	Grafting light-, temperature, and CO ₂ -responsive copolymers from cellulose nanocrystals by atom transfer radical polymerization for adsorption of nitrate ions. <i>Polymer</i> , 2019 , 182, 121830	3.9	40
148	Kinetic study of styrene atom transfer radical polymerization from hydroxyl groups of graphene nanoplatelets: Heterogeneities in chains and graft densities. <i>Polymer Engineering and Science</i> , 2015 , 55, 1720-1732	2.3	40
147	Synthesis and investigation of dual pH- and temperature-responsive behaviour of poly[2-(dimethylamino)ethyl methacrylate]-grafted gold nanoparticles. <i>Applied Organometallic Chemistry</i> , 2017 , 31, e3702	3.1	39
146	Evaluation of the confinement effect of nanoclay on the kinetics of styrene atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 409-417	2.9	39
145	Use of clay-anchored reactive modifier for the synthesis of poly (styrene-co-butyl acrylate)/clay nanocomposite via in situ AGET ATRP. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	39
144	Synthesis of coumarin-containing multi-responsive CNC-grafted and free copolymers with application in nitrate ion removal from aqueous solutions. <i>Carbohydrate Polymers</i> , 2019 , 225, 115247	10.3	38
143	Confinement effect of graphene nanoplatelets on atom transfer radical polymerization of styrene: grafting through hydroxyl groups. <i>Iranian Polymer Journal (English Edition)</i> , 2015 , 24, 51-62	2.3	38
142	Photoswitchable fluorescent polymer nanoparticles as high-security anticounterfeiting materials for authentication and optical patterning. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5476-5493	7.1	38
141	Preparation of nanoclay-dispersed polystyrene nanofibers via atom transfer radical polymerization and electrospinning. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 1431-1438	2.9	38
140	Modification of graphene with silica nanoparticles for use in hybrid network formation from epoxy, novolac, and epoxidized novolac resins by sol-gel method: Investigation of thermal properties. <i>EXPRESS Polymer Letters</i> , 2018 , 12, 187-202	3.4	38
139	Organic/inorganic nanohybrids of novolac phenolic resin and carbon nanotube: High carbon yields by using carbon nanotube aerogel and resin incorporation into aerogel network. <i>Microporous and Mesoporous Materials</i> , 2016 , 224, 58-67	5.3	37
138	Polymer grafting on graphene layers by controlled radical polymerization. <i>Advances in Colloid and Interface Science</i> , 2019 , 273, 102021	14.3	37
137	Synthesis of clay-dispersed poly(styrene-co-methyl methacrylate) nanocomposite via miniemulsion atom transfer radical polymerization: A reverse approach. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 2278-2286	2.9	37
136	Furfuryl alcohol functionalized graphene nanosheets for synthesis of high carbon yield novolac composites. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	37
135	Investigating the effect of pristine and modified silica nanoparticles on the kinetics of methyl methacrylate polymerization. <i>Chemical Engineering Journal</i> , 2011 , 174, 368-375	14.7	37
134	Functionalization of carbon nanotubes by furfuryl alcohol moieties for preparation of novolac phenolic resin composites with high carbon yield values. <i>Colloid and Polymer Science</i> , 2015 , 293, 3623-3634	3.4	36
133	Temperature-Responsive Poly(-Isopropylacrylamide) Nanogels: The Role of Hollow Cavities and Different Shell Cross-Linking Densities on Doxorubicin Loading and Release. <i>Langmuir</i> , 2020 , 36, 2683-2694	4.4	35

132	Effect of different modified nanoclays on the kinetics of preparation and properties of polymer-based nanocomposites. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2-7	34
131	Incorporation of epoxy resin and graphene nanolayers into silica xerogel network: an insight into thermal improvement of resin. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 80, 362-377	2-3	34
130	Thermophysical behaviour of matrix-grafted graphene/poly(ethylene tetrasulphide) nanocomposites. <i>RSC Advances</i> , 2015 , 5, 100369-100377	3-7	33
129	Synthesis of dual thermo- and pH-sensitive poly(N-isopropylacrylamide-co-acrylic acid)-grafted cellulose nanocrystals by reversible addition-fragmentation chain transfer polymerization. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 231-243	5-4	33
128	Incorporation of epoxy resin and carbon nanotube into silica/siloxane network for improving thermal properties. <i>Journal of Materials Science</i> , 2016 , 51, 9057-9073	4-3	33
127	Effect of molecular weight and polymer concentration on the triple temperature/pH/ionic strength-sensitive behavior of poly(2-(dimethylamino)ethyl methacrylate). <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017 , 66, 455-461	3	33
126	Synthesis of poly(propylene imine) dendrimers via homogeneous reduction process using lithium aluminium hydride: Bioconjugation with folic acid and doxorubicin release kinetics. <i>Applied Organometallic Chemistry</i> , 2017 , 31, e3789	3-1	32
125	Properties of matrix-grafted multi-walled carbon nanotube/poly(methyl methacrylate) nanocomposites synthesized by in situ reversible addition-fragmentation chain transfer polymerization. <i>Journal of the Iranian Chemical Society</i> , 2012 , 9, 877-887	2	32
124	Encapsulation of organomodified montmorillonite with PMMA via in situ SR&NI ATRP in miniemulsion. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2-7	32
123	Synthesis and characterization of poly(styrene-co-butyl acrylate)/clay nanocomposite latexes in miniemulsion by AGET ATRP. <i>Polymer Composites</i> , 2011 , 32, 967-975	3	32
122	Synthesis and characterization of exfoliated poly(styrene-co-methyl methacrylate) nanocomposite via miniemulsion atom transfer radical polymerization: an activators generated by electron transfer approach. <i>Polymer Composites</i> , 2011 , 32, 1979-1987	3	31
121	Simultaneous two drugs release form Janus particles prepared via polymerization-induced phase separation approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 85-91	6	31
120	Effect of grafting ratio of poly(propylene imine) dendrimer onto gold nanoparticles on the properties of colloidal hybrids, their DOX loading and release behavior and cytotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 178, 500-507	6	30
119	Effect of surface chemistry and content of nanocrystalline cellulose on removal of methylene blue from wastewater by poly(acrylic acid)/nanocrystalline cellulose nanocomposite hydrogels. <i>Cellulose</i> , 2019 , 26, 5603-5619	5-5	29
118	Polystyrene-attached graphene nanolayers by reversible addition-fragmentation chain transfer polymerization: a grafting from epoxy groups with various densities. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2-7	29
117	Fabricating core (Au)-shell (different stimuli-responsive polymers) nanoparticles via inverse emulsion polymerization: Comparing DOX release behavior in dark room and under NIR lighting. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 166, 144-151	6	28
116	Grafting of silica nanoparticles at the surface of graphene for application in novolac-type phenolic resin hybrid composites. <i>Materials Chemistry and Physics</i> , 2018 , 216, 468-475	4-4	28
115	In situ atom transfer radical polymerization of styrene in the presence of nanoporous silica aerogel: Kinetic study and investigation of thermal properties. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2-7	28

114	A comprehensive Monte Carlo simulation of styrene atom transfer radical polymerization. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010 , 28, 483-497	3.5	28
113	Interaction of photoswitchable nanoparticles with cellulosic materials for anticounterfeiting and authentication security documents. <i>Carbohydrate Polymers</i> , 2020 , 230, 115603	10.3	28
112	Nanoclay-encapsulated polystyrene microspheres by reverse atom transfer radical polymerization. <i>Polymer Composites</i> , 2012 , 33, 990-998	3	25
111	Fabricating cauliflower-like and dumbbell-like Janus particles: Loading and simultaneous release of DOX and ibuprofen. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 155-163	6	25
110	Study of kinetics and properties of polystyrene/silica nanocomposites prepared via in situ free radical and reversible addition-fragmentation chain transfer polymerizations. <i>Scientia Iranica</i> , 2012 , 19, 2004-2011	1.5	24
109	Preparation of carbon nanotube and polyurethane-imide hybrid composites by sol-gel reaction. <i>Polymer Composites</i> , 2019 , 40, E1903-E1909	3	24
108	Nanohybrids of novolac phenolic resin and carbon nanotube-containing silica network. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 1027-1037	4.1	23
107	Synthesis of hybrid free and nanoporous silica aerogel-anchored polystyrene chains via in situ atom transfer radical polymerization. <i>Polymer Composites</i> , 2013 , 34, 1648-1654	3	23
106	Perylene-3,4,9,10-tetracarboxylic diimide and its derivatives: Synthesis, properties and bioapplications. <i>Dyes and Pigments</i> , 2020 , 180, 108488	4.6	22
105	Nanoconfinement effect of graphene on thermophysical properties and crystallinity of matrix-grafted graphene/crosslinked polysulfide polymer nanocomposites. <i>Diamond and Related Materials</i> , 2018 , 83, 177-183	3.5	22
104	Mechanical properties, crystallinity, and self-nucleation of carbon nanotube-polyurethane nanocomposites. <i>Polymer Testing</i> , 2019 , 79, 106011	4.5	22
103	A kinetics study on the in situ reversible addition-fragmentation chain transfer and free radical polymerization of styrene in presence of silica aerogel nanoporous particles. <i>Designed Monomers and Polymers</i> , 2014 , 17, 245-254	3.1	22
102	Amine-modified graphene oxide as co-curing agent of epoxidized polysulfide prepolymer: Thermophysical and mechanical properties of nanocomposites. <i>Diamond and Related Materials</i> , 2018 , 86, 109-116	3.5	21
101	Effect of surface modification with various thiol compounds on colloidal stability of gold nanoparticles. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4079	3.1	21
100	A review on synthesis, photophysical properties, and applications of dendrimers with perylene core. <i>European Polymer Journal</i> , 2020 , 137, 109933	5.2	21
99	Multi-responsive poly(amidoamine)-initiated dendritic-star supramolecular structures containing UV cross-linkable coumarin groups for smart drug delivery. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114138	6	20
98	Investigation of thermophysical and adhesion/mechanical properties of amine-cured epoxidized polysulfide polymer/epoxidized graphene nanocomposites. <i>Progress in Organic Coatings</i> , 2019 , 131, 211-218	4.8	19
97	Encryption and optical authentication of confidential cellulosic papers by ecofriendly multi-color photoluminescent inks. <i>Carbohydrate Polymers</i> , 2020 , 245, 116507	10.3	19

96	Fabrication of microphase-separated polyurethane/cellulose nanocrystal nanocomposites with irregular mechanical and shape memory properties. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	19
95	UV-stabilized self-assembled amphiphilic triblock terpolymers supramolecular structures with low cytotoxicity as doxorubicin carriers. <i>Materials Science and Engineering C</i> , 2020 , 110, 110745	8.3	18
94	Nanofibers of poly (hydroxyethyl methacrylate)-grafted halloysite nanotubes and polycaprolactone by combination of RAFT polymerization and electrospinning. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	18
93	EFFECT OF CARBON NANOTUBES ON THE KINETICS OF IN SITU POLYMERIZATION OF METHYL METHACRYLATE. <i>Nano</i> , 2012 , 07, 1250003	1.1	18
92	Effect of Loading and Surface Modification of Nanoparticles on the Properties of PMMA/Silica Nanocomposites Prepared via In-Situ Free Radical Polymerization. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013 , 62, 336-344	3	18
91	Effect of silica nanoparticle loading and surface modification on the kinetics of RAFT polymerization. <i>Journal of Polymer Engineering</i> , 2012 , 32,	1.4	18
90	Light-induced spherical to dumbbell-like morphology transition of coumarin-functionalized latex nanoparticles by a [2+ 2] cycloaddition reaction: a fast and facile strategy to anisotropic geometry. <i>Polymer Chemistry</i> , 2020 , 11, 2053-2069	4.9	18
89	A review on synthesis and applications of dendrimers. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 503-517	2	18
88	Synthesis of amphiphilic Janus dendrimer and its application in improvement of hydrophobic drugs solubility in aqueous media. <i>European Polymer Journal</i> , 2020 , 134, 109804	5.2	17
87	Encryption and authentication of security patterns by ecofriendly multi-color photoluminescent inks containing oxazolidine-functionalized nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 192-210	9.3	17
86	Modification of cellulose nanocrystal with dual temperature- and CO ₂ -responsive block copolymers for ion adsorption applications. <i>Journal of Molecular Liquids</i> , 2020 , 310, 113234	6	17
85	Stimuli-responsive behavior of smart copolymers-grafted magnetic nanoparticles: Effect of sequence of copolymer blocks. <i>Inorganica Chimica Acta</i> , 2018 , 476, 83-92	2.7	17
84	Incorporation of silica nanoparticles and polyurethane into hybrid composites for increase of char residue. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 3311-3319	4.1	17
83	Polysulfide Polymers: Synthesis, Blending, Nanocomposites, and Applications. <i>Polymer Reviews</i> , 2019 , 59, 124-148	14	17
82	Adsorption kinetics of methyl orange from water by pH-sensitive poly(2-(dimethylamino)ethyl methacrylate)/nanocrystalline cellulose hydrogels. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 28091-28103	5.1	16
81	Preparation of Furfuryl Alcohol-Functionalized Carbon Nanotube and Epoxidized Novolac Resin Composites with High Char Yield. <i>Polymer Composites</i> , 2018 , 39, E1231-E1236	3	16
80	Preparation of carbon nanotube-containing hybrid composites from epoxy, novolac, and epoxidized novolac resins using sol-gel method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 513-524	4.1	16
79	Multifunctional curing component for epoxidized novolac resin by grafting poly (amidoamine) on carbon nanotubes using a divergent method. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2216-2223	3.2	15

78	Effect of surface chemistry of graphene and its content on the properties of ethylene dichloride- and disodium tetrasulfide-based polysulfide polymer nanocomposites. <i>Polymer Composites</i> , 2017 , 38, E515-E524	3	14
77	Reversible addition fragmentation chain transfer polymerization of styrene from the edge of graphene oxide nanolayers. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	14
76	Preparation of epoxidized novolac resin nanocomposites: Physical and chemical incorporation of modified graphene oxide layers for improvement of thermal stability. <i>Polymer Testing</i> , 2018 , 68, 467-474	4.5	14
75	Activators generated by electron transfer for atom transfer radical polymerization of styrene in the presence of mesoporous silica nanoparticles. <i>Materials Research Bulletin</i> , 2014 , 59, 241-248	5.1	14
74	A simulation of kinetics and chain length distribution of styrene FRP and ATRP: Chain-length-dependent termination. <i>Advances in Polymer Technology</i> , 2011 , 30, 257-268	1.9	14
73	Preparation of hybrid composites based on epoxy, novolac, and epoxidized novolac resins and silica nanoparticles with high char residue by sol-gel method. <i>Polymer Composites</i> , 2018 , 39, E2316-E2323	3	14
72	Temperature-induced self-assembly of amphiphilic triblock terpolymers to low cytotoxic spherical and cubic structures as curcumin carriers. <i>Journal of Molecular Liquids</i> , 2020 , 313, 113504	6	13
71	Preparation of polyurethane-acrylate and silica nanoparticle hybrid composites by a free radical network formation method. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	13
70	Effect of Nanoclay on Styrene and Butyl Acrylate AGET ATRP in Miniemulsion: Study of Nucleation Type, Kinetics, and Polymerization Control. <i>International Journal of Chemical Kinetics</i> , 2013 , 45, 221-235	1.4	13
69	Effect of MCM-41 nanoparticles on ARGET ATRP of styrene: Investigating thermal properties. <i>Journal of Composite Materials</i> , 2015 , 49, 1525-1535	2.7	13
68	A comparative study on solubility improvement of tetracycline and dexamethasone by poly(propylene imine) and polyamidoamine dendrimers: An insight into cytotoxicity and cell proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 485-495	5.4	13
67	Effect of Aliphatic and Aromatic Chain Extenders on Thermal Stability of Graphene Oxide/Polyurethane Hybrid Composites Prepared by Sol-Gel Method. <i>ChemistrySelect</i> , 2020 , 5, 962-967	1.8	12
66	Design of polyelectrolyte core-shell and polyelectrolyte/non-polyelectrolyte Janus nanoparticles as drug nanocarriers. <i>Journal of Dispersion Science and Technology</i> , 2018 , 39, 1730-1741	1.5	12
65	Well-defined nanofibrous polystyrene nanocomposites with twofold chains by ATRP. <i>Polymer Science - Series B</i> , 2012 , 54, 153-160	0.8	12
64	Synthesis of well-defined clay encapsulated poly(styrene-co-butyl acrylate) nanocomposite latexes via reverse atom transfer radical polymerization in miniemulsion. <i>Journal of Polymer Engineering</i> , 2012 , 32,	1.4	12
63	Stimuli-transition of hydrophobicity/hydrophilicity in o-nitrobenzyl ester-containing multi-responsive copolymers: Application in patterning and droplet stabilization in heterogeneous media. <i>Polymer</i> , 2020 , 205, 122859	3.9	12
62	Polystyrene-organoclay nanocomposites produced by in situ activators regenerated by electron transfer for atom transfer radical polymerization. <i>Journal of Polymer Engineering</i> , 2012 , 32, 235-243	1.4	11
61	Morphology evolution of functionalized styrene and methyl methacrylate copolymer latex nanoparticles by one-step emulsifier-free emulsion polymerization. <i>European Polymer Journal</i> , 2020 , 133, 109790	5.2	11

60	Influence of aspartic acid functionalized graphene oxide presence in polyvinylchloride mixed matrix membranes on chromium removal from aqueous feed containing humic acid. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104685	6.8	11
59	Grafting polystyrene with various graft densities through epoxy groups of graphene nanolayers via atom transfer radical polymerization. <i>Polymer Composites</i> , 2017 , 38, 2450-2458	3	10
58	Evaluation of in vitro cytotoxicity and properties of polydimethylsiloxane-based polyurethane/crystalline nanocellulose bionanocomposites. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1771-1778	5.4	10
57	Halloysite-reinforced thermoplastic polyurethane nanocomposites: Physico-mechanical, rheological, and thermal investigations. <i>Polymer Composites</i> , 2020 , 41, 3260-3270	3	10
56	Controlled release of anti-cancer drug from the shell and hollow cavities of poly(N-isopropylacrylamide) hydrogel particles synthesized via reversible addition-fragmentation chain transfer polymerization. <i>European Polymer Journal</i> , 2020 , 135, 109877	5.2	10
55	Grafting to approach for surface modification of AuNPs with RAFT-mediated synthesized smart polymers: Stimuli-responsive behaviors of hybrid nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 123, 183-190	3.9	10
54	An exhaustive study of chain-length-dependent and diffusion-controlled free radical and atom-transfer radical polymerization of styrene. <i>Journal of Polymer Research</i> , 2011 , 18, 1539-1555	2.7	10
53	Photoswitchable surface wettability of ultrahydrophobic nanofibrous coatings composed of spiropyran-acrylic copolymers. <i>Journal of Colloid and Interface Science</i> , 2021 , 593, 67-78	9.3	10
52	Radical coupling of maleic anhydride onto graphite to fabricate oxidized graphene nanolayers. <i>Bulletin of Materials Science</i> , 2016 , 39, 229-234	1.7	9
51	INTRODUCTION OF A DOUBLE BOND CONTAINING MODIFIER ON THE SURFACE OF MCM-41 NANOPARTICLES: APPLICATION FOR SR&NI ATRP OF STYRENE. <i>Nano</i> , 2014 , 09, 1450023	1.1	9
50	Carbon dioxide-switched removal of nitrate ions from water by cellulose nanocrystal-grafted and free multi-responsive block copolymers. <i>Journal of Molecular Liquids</i> , 2020 , 318, 114301	6	9
49	Preparation of photolabile nanoparticles by coumarin-based crosslinker for drug delivery under light irradiation. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 154, 110102	3.9	9
48	Polystyrene-attached graphene oxide with different graft densities via reversible addition-fragmentation chain transfer polymerization and grafting through approach. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	8
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45	Dual-mode security anticounterfeiting and encoding by electrospinning of highly photoluminescent spiropyran nanofibers. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 9571-9583	7.1	8
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43	Simulation of styrene free radical polymerization over bi-functional initiators using Monte Carlo simulation method and comparison with mono-functional initiators. <i>Polymer Science - Series B</i> , 2010 , 52, 184-192	0.8	7

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41	Preparation of polyurethane composites reinforced with halloysite and carbon nanotubes. <i>Polymer Composites</i> , 2021 , 42, 450-461	3	7
40	Polydimethylsiloxane-based Polyurethane/cellulose Nanocrystal Nanocomposites: From Structural Properties Toward Cytotoxicity. <i>Silicon</i> , 1	2.4	7
39	Seed's morphology-induced core-shell composite particles by seeded emulsion polymerization for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 111008	6	6
38	Incorporation of graphene oxide nanolayers into thermally stable hybrid composites of thermosetting resins by combination of curing and sol-gel reactions. <i>Polymer Bulletin</i> , 2018 , 75, 4859-4880	2.4	6
37	Synthesis and characterization of bis(oxiranylmethyl)sulfanes as new epoxide-terminated polysulfide prepolymers and their use in synthesis of new amine-cured polysulfide polymers. <i>Advances in Polymer Technology</i> , 2018 , 37, 3325-3334	1.9	6
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35	Cellulose nanocrystal-grafted multi-responsive copolymers containing cleavable o-nitrobenzyl ester units for stimuli-stabilization of oil-in-water droplets. <i>Chemical Engineering Journal</i> , 2021 , 417, 128003	11.7	6
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33	Synthesis, photocrosslinking, and self-assembly of coumarin-anchored poly(amidoamine) dendrimer for smart drug delivery system. <i>European Polymer Journal</i> , 2021 , 158, 110686	5.2	5
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31	Stimuli-Responsive Covalent Adaptable Hydrogels Based on Homolytic Bond Dissociation and Chain Transfer Reactions. <i>Chemistry of Materials</i> , 2022 , 34, 468-498	9.6	4
30	One-step fabrication of low cytotoxic anisotropic poly(2-hydroxyethyl methacrylate-co-methacrylic acid) particles for efficient release of DOX. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 54, 101332	4.5	4
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27	Polymer-functionalization of carbon nanotube by in situ conventional and controlled radical polymerizations. <i>Advances in Colloid and Interface Science</i> , 2021 , 294, 102471	14.3	4
26	Polyampholyte poly[2-(dimethylamino)ethyl methacrylate]-star-poly(methacrylic acid) star copolymers as colloidal drug carriers. <i>Journal of Molecular Liquids</i> , 2021 , 335, 116247	6	4
25	Janus-type dendrimers: synthesis, properties, and applications. <i>Journal of Molecular Liquids</i> , 2022 , 347, 118396	6	3

24	Fabrication of high thermal stable cured novolac/Cloisite 30B nanocomposites by chemical modification of resin structure. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 226-232	3.2	3
23	Synthesis of copper and copper oxide nanoparticles with different morphologies using aniline as reducing agent. <i>Solid State Communications</i> , 2021 , 334-335, 114364	1.6	3
22	Poly(poly[ethylene glycol] methyl ether methacrylate)/graphene oxide nanocomposite gel polymer electrolytes prepared by controlled and conventional radical polymerizations for lithium ion batteries. <i>International Journal of Energy Research</i> ,	4.5	3
21	Effect of chain extender length and molecular architecture on phase separation and rheological properties of ether-based polyurethanes. <i>Polymer Bulletin</i> ,1	2.4	2
20	Morphology evolution of multi-responsive ABA triblock copolymers containing photo-crosslinkable coumarin molecules. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117766	6	2
19	Smart block copolymers as fluorescence chemosensors of copper ions with high detection limit. <i>Journal of Molecular Liquids</i> , 2022 , 345, 117786	6	2
18	Modification of carbon nanotube with poly(amidoamine) dendritic structures to prepare a multifunctional hybrid curing component for epoxidized polyurethane and novolac resins. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	2
17	Preparation of a hyperbranched hybrid curing agent for epoxidized novolac resin. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021 , 29, 793-802	1.8	2
16	Fabrication of acid-labile poly(2-hydroxyethyl methacrylate) nanoparticles using aldazine-based crosslinker as pH-sensitive drug nanocarriers. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 3095-3103	3.2	2
15	Synthesis and properties of fluorescent coumarin/perylene-3,4,9,10-tetracarboxylic diimide hybrid as cold dye. <i>Materials Research Bulletin</i> , 2021 , 144, 111500	5.1	2
14	Core-shell to Janus morphologies from co-assembly of polyaniline and hydrophobic polymers in aqueous media. <i>Polymer Bulletin</i> ,1	2.4	1
13	Development of highly sensitive metal-ion chemosensor and key-lock anticounterfeiting technology based on oxazolidine.. <i>Scientific Reports</i> , 2022 , 12, 1079	4.9	1
12	Stimuli-responsive block copolymers as pH chemosensors by fluorescence emission intensification mechanism. <i>European Polymer Journal</i> , 2021 , 162, 110928	5.2	1
11	Poly(amidoamine) dendrimer-grafted carbon nanotubes as a hybrid multifunctional curing agent for epoxy-modified polyurethane. <i>Carbon Letters</i> , 2021 , 31, 677	2.3	1
10	Effect of reduced graphene oxide on mechanical behavior of an epoxy adhesive in glassy and rubbery states. <i>Journal of Composite Materials</i> ,002199832110316	2.7	1
9	Effect of poly(amidoamine) dendrimer-grafted silica nanoparticles and different chain extenders on thermal properties of epoxy-modified polyurethane composites. <i>Bulletin of Materials Science</i> , 2021 , 44, 1	1.7	1
8	Multifunctional poly(amidoamine)-functionalized silica nanoparticles for epoxide-functionalized polyurethane and novolac resins crosslinking. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	1
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