Priyadarsi De

List of Publications by Year
in descending order

168 papers	5,599 citations	66234 42 h-index	106150 65 g-index
172 all docs	172 docs citations	172 times ranked	4617 citing authors

#	Article	IF	Citations
1	Temperature-Regulated Activity of Responsive Polymerâ^'Protein Conjugates Prepared by Grafting-from via RAFT Polymerization. Journal of the American Chemical Society, 2008, 130, 11288-11289.	6.6	391
2	End group transformations of RAFTâ€generated polymers with bismaleimides: Functional telechelics and modular block copolymers. Journal of Polymer Science Part A, 2008, 46, 5093-5100.	2.5	217
3	Folate-Conjugated Thermoresponsive Block Copolymers: Highly Efficient Conjugation and Solution Self-Assembly. Biomacromolecules, 2008, 9, 1064-1070.	2.6	198
4	Responsive Polymerâ€Protein Bioconjugates Prepared by RAFT Polymerization and Copperâ€Catalyzed Azideâ€Alkyne Click Chemistry. Macromolecular Rapid Communications, 2008, 29, 1172-1176.	2.0	178
5	Amino acid-derived stimuli-responsive polymers and their applications. Polymer Chemistry, 2018, 9, 1257-1287.	1.9	143
6	Conjugation of RAFT-generated polymers to proteins by two consecutive thiolâ€“ene reactions. Polymer Chemistry, 2010, 1, 854.	1.9	140
7	Boronic Acid-Terminated Polymers: Synthesis by RAFT and Subsequent Supramolecular and Dynamic Covalent Self-Assembly. Macromolecules, 2009, 42, 5614-5621.	2.2	100
8	Thermoresponsive Block Copolymerâ€“Protein Conjugates Prepared by Graftingâ€from via RAFT Polymerization. Macromolecular Rapid Communications, 2011, 32, 354-359.	2.0	89
9	Cationic methacrylate polymers containing chiral amino acid moieties: controlled synthesis via RAFT polymerization. Polymer Chemistry, 2012, 3, 1239.	1.9	86
10	Controlled Synthesis of Amino Acid-Based pH-Responsive Chiral Polymers and Self-Assembly of Their Block Copolymers. Langmuir, 2013, 29, 2764-2774.	1.6	82
11	Synthesis via RAFT polymerization of thermo- and pH-responsive random copolymers containing cholic acid moieties and their self-assembly in water. Polymer Chemistry, 2014, 5, 1275-1284.	1.9	76
12	pH responsive polymers with amino acids in the side chains and their potential applications. Journal of Applied Polymer Science, 2014, 131, .	1.3	76
13	Remarkable Swelling Capability of Amino Acid Based Cross-Linked Polymer Networks in Organic and Aqueous Medium. ACS Applied Materials & Interfaces, 2014, 6, 4233-4241.	4.0	75
14	Effect of Temperature, Solvent Polarity, and Nature of Lewis Acid on the Rate Constants in the Carbocationic Polymerization of Isobutylene. Macromolecules, 2003, 36, 8282-8290.	2.2	73
15	Polyisobutylene-Based pH-Responsive Self-Healing Polymeric Gels. ACS Applied Materials & Interfaces, 2015, 7, 8779-8788.	4.0	69
16	Polyisobutylene-Based Helical Block Copolymers with pH-Responsive Cationic Side-Chain Amino Acid Moieties by Tandem Living Polymerizations. Macromolecules, 2013, 46, 5861-5870.	2.2	66
17	Synthesis, characterization and thermal degradation of dual temperatureâ€and pHâ€sensitive RAFTâ€made copolymers of N,Nâ€(dimethylamino)ethyl methacrylate and methyl methacrylate. Polymer International, 2013, 62, 463-473.	1.6	65
18	AIE-active non-conjugated poly(N-vinylcaprolactam) as a fluorescent thermometer for intracellular temperature imaging. Chemical Science, 2020, 11, 141-147.	3.7	64

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19	Dual pH and temperature responsive helical copolymer libraries with pendant chiral leucine moieties. Polymer Chemistry, 2013, 4, 4052.	1.9	62
20	Multimodal Fluorescent Polymer Sensor for Highly Sensitive Detection of Nitroaromatics. Scientific Reports, 2019, 9, 7269.	1.6	61
21	A nonconjugated macromolecular luminogen for speedy, selective and sensitive detection of picric acid in water. Polymer Chemistry, 2017, 8, 7180-7187.	1.9	58
22	Thermal degradation kinetics of thermoresponsive poly(N-isopropylacrylamide-co-N,N-dimethylacrylamide) copolymers prepared via RAFT polymerization. Journal of Thermal Analysis and Calorimetry, 2013, 111, 753-761.	2.0	57
23	Side-Chain Amino-Acid-Based pH-Responsive Self-Assembled Block Copolymers for Drug Delivery and Gene Transfer. Langmuir, 2013, 29, 15375-15385.	1.6	57
24	Self-Assembly of Amphiphilic Copolymers with Sequence-Controlled Alternating Hydrophilicâ€“Hydrophobic Pendant Side Chains. ACS Applied Polymer Materials, 2020, 2, 2035-2045.	2.0	57
25	Facile RAFT synthesis of side-chain amino acids containing pH-responsive hyperbranched and star architectures. Polymer Chemistry, 2014, 5, 6365-6378.	1.9	56
26	Conventional fluorophore-free dual pH- and thermo-responsive luminescent alternating copolymer. Polymer Chemistry, 2016, 7, 6895-6900.	1.9	55
27	Design of a novel FRET based fluorescent chemosensor and their application for highly sensitive detection of nitroaromatics. Sensors and Actuators B: Chemical, 2018, 255, 2628-2634.	4.0	55
28	RAFT polymerization of methacrylates containing a tryptophan moiety: controlled synthesis of biocompatible fluorescent cationic chiral polymers with smart pH-responsiveness. Polymer Chemistry, 2013, 4, 1141-1152.	1.9	54
29	RAFT polymerization of fatty acid containing monomers: controlled synthesis of polymers from renewable resources. RSC Advances, 2013, 3, 24983.	1.7	54
30	Recent advances in the development and applications of nonconventional luminescent polymers. Polymer Chemistry, 2020, 11, 7293-7315.	1.9	54
31	Polymerization-induced self-assembly driving chiral nanostructured materials. Polymer Chemistry, 2015, 6, 6152-6162.	1.9	53
32	Synthesis of Glutamic Acid Derived Organogels and their Applications in Dye Removal from Aqueous Medium. Macromolecular Materials and Engineering, 2020, 305, 1900809.	1.7	53
33	Relative Reactivity of C4 Olefins toward the Polyisobutylene Cation. Macromolecules, 2006, 39, 6861-6870.	2.2	52
34	Modulation of Amyloid Protein Fibrillation by Synthetic Polymers: Recent Advances in the Context of Neurodegenerative Diseases. ACS Applied Bio Materials, 2020, 3, 6598-6625.	2.3	52
35	Controlled synthesis of pH responsive cationic polymers containing side-chain peptide moieties viaRAFT polymerization and their self-assembly. Journal of Materials Chemistry B, 2013, 1, 946-957.	2.9	50
36	Polyelectrolyte Gel Swelling and Conductivity vs Counterion Type, Cross-Linking Density, and Solvent Polarity. Macromolecules, 2016, 49, 6630-6643.	2.2	50

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37	pH-Induced Amphiphilicity-Reversing Schizophrenic Aggregation by Alternating Copolymers. Macromolecules, 2019, 52, 8346-8358.	2.2	50
38	Precision Control of Temperature Response by Copolymerization of Di(Ethylene Glycol) Acrylate and an Acrylamide Comonomer. Macromolecular Chemistry and Physics, 2013, 214, 272-279.	1.1	46
39	Living Carbocationic Polymerization ofp-Methoxystyrene Usingp-Methoxystyrene Hydrochloride/SnBr4Initiating System:Â Determination of the Absolute Rate Constant of Propagation for Ion Pairs. Macromolecules, 2004, 37, 7930-7937.	2.2	45
40	Determination of Rate Constants in the Carbocationic Polymerization of Styrene:â€‰ Effect of Temperature, Solvent Polarity, and Lewis Acid. Macromolecules, 2004, 37, 4422-4433.	2.2	45
41	Side-Chain Amino Acid-Based Cationic Antibacterial Polymers: Investigating the Morphological Switching of a Polymer-Treated Bacterial Cell. ACS Omega, 2017, 2, 1633-1644.	1.6	45
42	Carbocationic Polymerization of Isobutylene Using Methylaluminum Bromide Coinitiators:Â Synthesis of Bromoallyl Functional Polyisobutylene. Macromolecules, 2006, 39, 7527-7533.	2.2	43
43	Tryptophan containing covalently cross-linked polymeric gels with fluorescence and pH-induced reversible solâ€“gel transition properties. Polymer Chemistry, 2014, 5, 3624.	1.9	43
44	Synthesis of amino acid based covalently cross-linked polymeric gelsÂusing tetrakis(hydroxymethyl) phosphonium chloride as a cross-linker. Polymer, 2015, 58, 1-8.	1.8	43
45	Cationic polymerization of isobutylene by FeCl3/ether complexes in hexanes: AnÂinvestigation of the steric and electronic effects of ethers. Polymer, 2013, 54, 4858-4863.	1.8	42
46	Fluorescent labelled dual-stimuli (pH/thermo) responsive self-assembled side-chain amino acid based polymers. Polymer, 2014, 55, 824-832.	1.8	41
47	Aromatic Nitrogen Mustard-Based Autofluorescent Amphiphilic Brush Copolymer as pH-Responsive Drug Delivery Vehicle. Biomacromolecules, 2019, 20, 546-557.	2.6	41
48	Sideâ€Chain Aminoâ€Acidâ€Derived Cationic Chiral Polymers by Controlled Radical Polymerization. Macromolecular Chemistry and Physics, 2016, 217, 365-379.	1.1	40
49	Dual-Action Polymeric Probe: Turn-On Sensing and Removal of Hg²⁺; Chemosensor for HSO₄^{â€“}. ACS Applied Polymer Materials, 2019, 1, 461-471.	2.0	40
50	Swelling properties of amino acid containing cross-linked polymeric organogels and their respective polyelectrolytic hydrogels with pH and salt responsive property. Polymer, 2014, 55, 5425-5434.	1.8	39
51	Enzyme responsive nucleotide functionalized silver nanoparticles with effective antimicrobial and anticancer activity. New Journal of Chemistry, 2017, 41, 1538-1548.	1.4	37
52	Multifunctional tryptophan-based fluorescent polymeric probes for sensing, bioimaging and removal of Cu²⁺ and Hg²⁺ ions. Polymer Chemistry, 2020, 11, 2015-2026.	1.9	37
53	Nitric Oxide Releasing Delivery Platforms: Design, Detection, Biomedical Applications, and Future Possibilities. Molecular Pharmaceutics, 2021, 18, 3181-3205.	2.3	37
54	Recyclable Thermoresponsive Polymerâ^'Î²-Glucosidase Conjugate with Intact Hydrolysis Activity. Biomacromolecules, 2018, 19, 2286-2293.	2.6	36

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55	POSS-induced enhancement of mechanical strength in RAFT-made thermoresponsive hydrogels. Polymer Chemistry, 2015, 6, 5077-5085.	1.9	35
56	Redox-Driven Disassembly of Polymerâ€“Chlorambucil Polyprodrug: Delivery of Anticancer Nitrogen Mustard and DNA Alkylation. ACS Applied Polymer Materials, 2019, 1, 2503-2515.	2.0	35
57	Determination of the Propagation Rate Constant in the Carbocationic Polymerization of 2,4,6-Trimethylstyrene. Macromolecules, 2005, 38, 41-46.	2.2	31
58	Kinetic and Mechanistic Studies of the Polymerization of Isobutylene Catalyzed by EtAlCl₂/Bis(2-chloroethyl) Ether Complex in Hexanes. Macromolecules, 2015, 48, 5474-5480.	2.2	30
59	Synthesis of highly reactive polyisobutylene with FeCl₃/ether complexes in hexane; kinetic and mechanistic studies. Polymer Chemistry, 2015, 6, 322-329.	1.9	30
60	Sideâ€chain glycylglycineâ€based polymer for simultaneous sensing and removal of copper(II) from aqueous medium. Journal of Polymer Science Part A, 2018, 56, 914-921.	2.5	30
61	Styreneâ€Maleimide/Maleic Anhydride Alternating Copolymers: Recent Advances and Future Perspectives. Macromolecular Rapid Communications, 2021, 42, e2100501.	2.0	30
62	Controlled RAFT synthesis of side-chain oleic acid containing polymers and their post-polymerization functionalization. RSC Advances, 2014, 4, 56415-56423.	1.7	28
63	Carbohydrate-Conjugated Amino Acid-Based Fluorescent Block Copolymers: Their Self-Assembly, pH Responsiveness, and/or Lectin Recognition. Langmuir, 2015, 31, 9422-9431.	1.6	28
64	Leucine-Based Polymer Architecture-Induced Antimicrobial Properties and Bacterial Cell Morphology Switching. ACS Omega, 2018, 3, 769-780.	1.6	28
65	Rhodamine-Appended Polymeric Probe: An Efficient Colorimetric and Fluorometric Sensing Platform for Hg²⁺ in Aqueous Medium and Living Cells. ACS Applied Polymer Materials, 2020, 2, 5077-5085.	2.0	28
66	Synthesis and characterization of a biodegradable polymer prepared via radical copolymerization of 2-(acetoacetoxy)ethyl methacrylate and molecular oxygen. Polymer Chemistry, 2012, 3, 182-189.	1.9	27
67	Amino acid containing cross-linked co-polymer gels: pH, thermo and salt responsiveness. Polymer, 2016, 85, 1-9.	1.8	27
68	Hydrogen bonding driven selfâ€assembly of sideâ€chain amino acid and fatty acid appended poly(methacrylate)s: Gelation and application in oil spill recovery. Journal of Polymer Science Part A, 2019, 57, 511-521.	2.5	26
69	Highly Sensitive Detection of Nitro Compounds Using a Fluorescent Copolymer-Based FRET System. ACS Applied Polymer Materials, 2021, 3, 4017-4026.	2.0	26
70	Determination of the Absolute Rate Constant of Propagation for Ion Pairs in the Cationic Polymerization ofp-Methylstyrene. Macromolecules, 2005, 38, 5498-5505.	2.2	25
71	Controlled synthesis of amino-acid based tadpole-shaped organic/inorganic hybrid polymers and their self-assembly in aqueous media. European Polymer Journal, 2015, 67, 274-283.	2.6	25
72	Self-assembly of well-defined fatty acid based amphiphilic thermoresponsive random copolymers. RSC Advances, 2016, 6, 19322-19330.	1.7	25

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73	Side-Chain Proline-Based Polymers as Effective Inhibitors for In Vitro Aggregation of Insulin. ACS Applied Bio Materials, 2020, 3, 5407-5419.	2.3	25
74	Poly-tryptophan/carbazole based FRET-system for sensitive detection of nitroaromatic explosives. Optical Materials, 2020, 100, 109710.	1.7	25
75	Recent progress in polymer-based optical chemosensors for Cu2+ and Hg2+ Ions: A comprehensive review. European Polymer Journal, 2021, 145, 110233.	2.6	25
76	From Small Molecules to Synthesized Polymers: Potential Role in Combating Amyloidogenic Disorders. ACS Chemical Neuroscience, 2021, 12, 1737-1748.	1.7	24
77	Synthetic polymeric variant of S-adenosyl methionine synthetase. Polymer Chemistry, 2015, 6, 7796-7800.	1.9	22
78	Determination of the Absolute Rate Constants of Propagation for Ion Pairs and Free Ions in the Living Cationic Polymerization of Isobutyleneâ€. Macromolecules, 2005, 38, 9897-9900.	2.2	21
79	Polymerâ€Chlorambucil Drug Conjugates: A Dynamic Platform of Anticancer Drug Delivery. Macromolecular Rapid Communications, 2016, 37, 1015-1020.	2.0	21
80	Swelling-Induced Optical Anisotropy of Thermoresponsive Hydrogels Based on Poly(2-(2-methoxyethoxy)ethyl methacrylate): Deswelling Kinetics Probed by Quantitative Mueller Matrix Polarimetry. Journal of Physical Chemistry B, 2012, 116, 13913-13921.	1.2	20
81	Block Copolymer Synthesis by the Combination of Living Cationic Polymerization and Other Polymerization Methods. Frontiers in Chemistry, 2021, 9, 644547.	1.8	20
82	Sideâ€chain aminoâ€acidâ€based polymers: selfâ€assembly and bioapplications. Polymer International, 2022, 71, 411-425.	1.6	20
83	Synthesis, structural characterization, thermal studies and chain dynamics of poly(methacrylonitrile) Tj ETQq1 1 0.784314 rgBT /Over	1.8	19
84	Reactivity ratios for the oxidative copolymerizations of indene with methyl methacrylate and methacrylonitrile. European Polymer Journal, 2002, 38, 847-855.	2.6	19
85	Determination of the Absolute Rate Constants of Propagation for Ion Pairs in the Carbocationic Polymerization ofp-Chlorostyrene. Macromolecules, 2004, 37, 9290-9294.	2.2	19
86	Modulation of side chain crystallinity in alternating copolymers. Polymer Chemistry, 2019, 10, 6588-6599.	1.9	19
87	Thermal degradation kinetics of vinyl polyperoxide copolymers. Polymer Degradation and Stability, 2004, 84, 173-179.	2.7	18
88	Controlled synthesis of Î²-sheet polymers based on side-chain amyloidogenic short peptide segmentsviaRAFT polymerization. Polymer Chemistry, 2014, 5, 6039-6050.	1.9	18
89	Exploring the post-polymerization modification of side-chain amino acid containing polymers via Michael addition reactions. Reactive and Functional Polymers, 2015, 91-92, 35-42.	2.0	18
90	POSS tethered hybrid â€œinimerâ€•derived hyperbranched and star-shaped polymers via SCVP-RAFT technique. Polymer, 2016, 97, 113-121.	1.8	18

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91	Cationic Copolymerization and Multicomponent Polymerization of Isobutylene with C4 Olefins. Macromolecules, 2017, 50, 8325-8333.	2.2	18
92	Recent Advances in Biomedical Applications of Cholic Acid-Based Macromolecules. ACS Applied Polymer Materials, 2021, 3, 1687-1706.	2.0	18
93	Recent progress in pendant rhodamine-based polymeric sensors for the detection of copper, mercury and iron ions. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 835-848.	1.2	18
94	AÎ²_{17â€“20} Peptideâ€Guided Structuring of Polymeric Conjugates and Their pHâ€Triggered Dynamic Response. Macromolecular Bioscience, 2015, 15, 1447-1456.	2.1	17
95	Monitoring Coilâ€“Globule Transitions of Thermoresponsive Polymers by Using NMR Solvent Relaxation. Journal of Physical Chemistry B, 2018, 122, 6094-6100.	1.2	17
96	Alternating copolymers with glycyl-glycine and alanyl-alanine side-chain pendants: synthesis, characterization and solution properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 675-683.	1.2	17
97	Simple Synthesis of a Weak Nucleophilic Base (4-Ethyl-2,6-diisopropyl-3,5-dimethylpyridine) Evidencing a Double Janus Group Effect. Journal of Organic Chemistry, 2004, 69, 536-542.	1.7	16
98	Copolyperoxides of 2-(acetoacetoxy)ethyl methacrylate with methyl methacrylate and styrene; Synthesis, characterization, thermal analysis, and reactivity ratios. Polymer, 2012, 53, 2583-2590.	1.8	16
99	CdS Quantum Dots Doped Tuning of Deswelling Kinetics of Thermoresponsive Hydrogels Based on Poly(2-(2-methoxyethoxy)ethyl methacrylate). Journal of Physical Chemistry B, 2013, 117, 16292-16302.	1.2	16
100	Dynamic covalent cross-linked polymer gels through the reaction between side-chain Î²-keto ester and primary amine groups. Reactive and Functional Polymers, 2015, 93, 148-155.	2.0	16
101	Solvent-dependent self-assembly behaviour of block copolymers having side-chain amino acid and fatty acid block segments. Reactive and Functional Polymers, 2016, 99, 26-34.	2.0	16
102	Surface functionalized nanoâ€objects from oleic acidâ€derived stabilizer via nonâ€polar RAFT dispersion polymerization. Journal of Polymer Science Part A, 2017, 55, 263-273.	2.5	16
103	Degradable Crystalline Polyperoxides from Fatty Acid Containing Styrenic Monomers. Macromolecules, 2018, 51, 8912-8921.	2.2	16
104	Amino acid-derived alternating polyampholyte luminogens. Polymer Chemistry, 2019, 10, 3306-3317.	1.9	16
105	A Novel PEGylated Block Copolymer in New Age Therapeutics for Alzheimerâ€™s Disease. Molecular Neurobiology, 2019, 56, 6551-6565.	1.9	16
106	Matrix-Assisted Regulation of Antimicrobial Properties: Mechanistic Elucidation with Ciprofloxacin-Based Polymeric Hydrogel Against Vibrio Species. Bioconjugate Chemistry, 2019, 30, 218-230.	1.8	16
107	Water soluble polyperoxides from 2-(2-methoxyethoxy)ethyl methacrylate: influence of molecular oxygen on thermoresponsive properties and thermal degradation. Chemical Communications, 2012, 48, 4229.	2.2	14
108	Modulating Insulin Aggregation with Charge Variable Cholic Acid-Derived Polymers. Biomacromolecules, 2021, 22, 4833-4845.	2.6	14

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109	From small molecules to polymeric probes: recent advancements of formaldehyde sensors. Science and Technology of Advanced Materials, 2022, 23, 49-63.	2.8	14
110	Biodegradation andIn VitroBiocompatibility of Polyperoxides: Alternating Co-Polymers of Vinyl Monomers and Molecular Oxygen. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 2105-2117.	1.9	13
111	Poly(9-vinyl anthracene peroxide): Synthesis, characterization, degradation and application as macroinitiator for the polymerization of methyl methacrylate. Polymer, 2013, 54, 2652-2657.	1.8	13
112	Encapsulation induced aggregation: a self-assembly strategy for weakly pi-stacking chromophores. Chemical Communications, 2017, 53, 3994-3997.	2.2	13
113	A dual â€œTurn-on/Turn-offâ€•â€œFRETâ€•sensor for highly sensitive and selective detection of lead and methylene blue based on fluorescent dansyl tagged copolymer and small molecule diketopyrrolopyrrole. Polymer Testing, 2019, 79, 105997.	2.3	13
114	para-Substituted Poly(styrene peroxide)s: Synthesis, Characterization, Thermal Reactivities, and Chain Dynamics Studies in Solution. Macromolecular Chemistry and Physics, 2002, 203, 420-426.	1.1	12
115	High-Pressure Kinetics of Oxidative Copolymerization of Styrene with -Methylstyrene. Macromolecular Chemistry and Physics, 2002, 203, 2218-2224.	1.1	12
116	Side-chain amino acid based cationic polymer induced actin polymerization. Journal of Materials Chemistry B, 2017, 5, 1218-1226.	2.9	12
117	Functionalâ€Polymer Library through Postâ€Polymerization Modification of Copolymers Having Oleate and Pentafluorophenyl Pendants. Chemistry - A European Journal, 2017, 23, 15156-15165.	1.7	12
118	Matrix assisted antibacterial activity of polymer conjugates with pendant antibiotics, and bioactive and biopassive moieties. Journal of Materials Chemistry B, 2019, 7, 3007-3018.	2.9	12
119	Stearoyl-appended pendant amino acid-based hyperbranched polymers for selective gelation of oil from oil/water mixtures. Polymer Chemistry, 2019, 10, 1795-1805.	1.9	12
120	Current status, challenges and future directions in the treatment of neurodegenerative diseases by polymeric materials. Journal of the Indian Chemical Society, 2021, 98, 100011.	1.3	12
121	Free radical oxidative copolymerization of indene with vinyl acetate and isopropenyl acetate: Synthesis and characterization. Journal of Applied Polymer Science, 2002, 86, 639-646.	1.3	11
122	Specific Counterion Repercussions on the Thermal, pH-Response, and Electrochemical Properties of Side-Chain Leucine Based Chiral Polyelectrolytes. Langmuir, 2014, 30, 13430-13437.	1.6	11
123	POSS semitelechelic AÎ²17â€“19 peptide initiated helical polypeptides and their structural diversity in aqueous medium. Polymer Chemistry, 2016, 7, 6231-6240.	1.9	11
124	Alternating Placement of <scp>d</scp>â€•and <scp>l</scp>â€Alanine Moieties in the Polymer Sideâ€Chains. Macromolecular Chemistry and Physics, 2018, 219, 1800398.	1.1	11
125	Synthesis and Selfâ€Assembly of Polyisobutylene Based Thermoresponsive Diblock Copolymers via Combination of Cationic and RAFT Polymerizations. Macromolecular Symposia, 2015, 349, 65-73.	0.4	10
126	Thermal degradation kinetics of para-substituted poly (styrene peroxide)s in solution. Journal of Applied Polymer Science, 2002, 86, 957-961.	1.3	9

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127	Reactivity ratios for the terpolymerization of methyl methacrylate, vinyl acetate, and molecular oxygen. Journal of Polymer Science Part A, 2002, 40, 564-572.	2.5	9
128	Polyisobutylene containing organic/inorganic hybrid block copolymers and their crystalline behavior. Journal of Polymer Science Part A, 2015, 53, 1125-1133.	2.5	9
129	Exploring amino acidâ€tethered polymethacrylates as CO₂â€sensitive macromolecules: A concealed property. Journal of Polymer Science Part A, 2016, 54, 2794-2803.	2.5	9
130	Exploring Aqueous Solution Dynamics of an Amphiphilic Diblock Copolymer: Dielectric Relaxation and Time-Resolved Fluorescence Measurements. Journal of Physical Chemistry B, 2019, 123, 5892-5901.	1.2	9
131	Cloud Point Driven Dynamics in Aqueous Solutions of Thermoresponsive Copolymers: Are They Akin to Criticality Driven Solution Dynamics?. Journal of Physical Chemistry B, 2019, 123, 11042-11054.	1.2	9
132	Cholate Conjugated Polymeric Amphiphiles as Efficient Artificial Ionophores. ACS Applied Polymer Materials, 2021, 3, 588-593.	2.0	9
133	Ultraviolet Light- or pH-Triggered Nitric Oxide Release from a Water-Soluble Polymeric Scaffold. ACS Applied Polymer Materials, 2021, 3, 2310-2315.	2.0	9
134	Kinetic and thermochemical study of the oxidative polymerization of Î±-substituted styrenes. Polymer Bulletin, 2012, 69, 149-161.	1.7	8
135	Nâ€Hydroxyphthalimideâ€Mediated Oxidation of Styrene by Molecular Oxygen. Macromolecular Chemistry and Physics, 2013, 214, 2181-2188.	1.1	8
136	Main-chain sulphur containing water soluble poly(N-isopropylacrylamide-co-N,Nâ€²-dimethylacrylamide) Tj ETQq0 0 0 rgBT /Overlock 10	1.8	8
137	Visualizing Phase Transition Behavior of Dilute Stimuli Responsive Polymer Solutions via Mueller Matrix Polarimetry. Analytical Chemistry, 2015, 87, 9120-9125.	3.2	8
138	Chiral copoly(methacrylate)s carrying amino acid pendants in the side-chains. European Polymer Journal, 2015, 73, 237-246.	2.6	8
139	Leucineâ€Based Block Copolymer Nanoâ€Objects via Polymerizationâ€Induced Selfâ€Assembly (PISA). Macromolecular Symposia, 2016, 369, 101-107.	0.4	8
140	Supramolecular Interaction-Assisted Fluorescence and Tunable Stimuli-Responsiveness of <scp>l</scp>-Phenylalanine-Based Polymers. Langmuir, 2017, 33, 10588-10597.	1.6	8
141	Degradable alternating polyperoxides from poly(ethylene glycol)â€substituted styrenic monomers with water solubility and thermoresponsiveness. Journal of Polymer Science Part A, 2018, 56, 2030-2038.	2.5	8
142	Fatty acid-based polymeric micelles to ameliorate amyloidogenic disorders. Biomaterials Science, 2022, 10, 3466-3479.	2.6	8
143	Oxidative copolymerization of indene withp-tert-butylstyrene: Synthesis, characterization, thermal analysis, and reactivity ratios. Journal of Polymer Science Part A, 2002, 40, 9-18.	2.5	7
144	Synthesis and characterization of copolyperoxides of indene with styrene, ?-methylstyrene, and ?-phenylstyrene. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2004-2017.	2.4	7

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145	Thermal degradation studies of para-substituted poly(styrene peroxide)s. Polymer Degradation and Stability, 2002, 76, 511-514.	2.7	7
146	Unusual Nanostructured Morphologies Enabled by Interpolyelectrolyte Complexation of Polyions Bearing Incompatible Nonionic Segments. Macromolecules, 2020, 53, 10754-10764.	2.2	7
147	Compositionâ€dependent crystallization behavior of copolyperoxides from methyl methacrylate and 4â€vinylbenzyl stearate. Journal of Polymer Science, 2020, 58, 766-778.	2.0	7
148	Amino acid-based polymeric gel network and its application in different fields. Journal of the Indian Chemical Society, 2022, 99, 100366.	1.3	7
149	Polymerization-Induced Self-Assembly (PISA) Generated Cholesterol-Based Block Copolymer Nano-Objects in a Nonpolar Solvent: Combined Experimental and Simulation Study. Macromolecules, 2022, 55, 1139-1152.	2.2	7
150	Synthesis, spectral characterization, and thermochemical studies of poly(phenyl methacrylate) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.3	6
151	Oxidative polymerization of para-substituted styrene derivatives: Synthesis, characterization and kinetics study. Polymer, 2012, 53, 3687-3694.	1.8	6
152	Monitoring aggregation of a pH-responsive polymer via proton exchange. Physical Chemistry Chemical Physics, 2017, 19, 17360-17365.	1.3	6
153	Phenylalanineâ€Tethered pHâ€Responsive Poly(2â€Hydroxyethyl Methacrylate). Chemistry - an Asian Journal, 2021, 16, 1016-1024.	1.7	6
154	Determination of the Reactivity Ratios for the Oxidative Copolymerizations of Indene with Methyl, Ethyl and Butyl Acrylates. Macromolecular Chemistry and Physics, 2002, 203, 573-579.	1.1	5
155	Synthesis of Halogen-Free Polyisobutylene by in situ Hydride Transfer to Living Polyisobutylene from Tributylsilane. Polymer Bulletin, 2006, 56, 27-35.	1.7	5
156	Ortho - and meta -substituted polystyrene polyperoxides: synthesis, characterization and thermal decomposition studies. Polymer International, 2014, 63, 746-751.	1.6	5
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