

Patrick Theato

List of Publications by Year in Descending Order

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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.

317
papers

12,830
citations

59
h-index

102
g-index

341
ext. papers

14,368
ext. citations

6.3
avg, IF

7.05
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 317 | Synthesizing Polyethylene from Polyacrylates: A Decarboxylation Approach.. <i>ACS Macro Letters</i> , 2022 , 11, 161-165 | 6.6 | 4 |
| 316 | Proton donor/acceptor copolymer brushes on sulfonated poly(ether ether ketone) membrane: An approach to construct efficient proton transfer pathway in polymer electrolyte membrane fuel cell. <i>Polymer</i> , 2022 , 240, 124523 | 3.9 | 1 |
| 315 | Poly(ethylene oxide)-Based Electrolytes for Solid-State Potassium Metal Batteries with a Prussian Blue Positive Electrode. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2734-2746 | 4.3 | 1 |
| 314 | Ionogels as Polymer Electrolytes for Lithium Metal Batteries: Comparison of Poly(ethylene glycol) Diacrylate and an Imidazolium-Based Ionic Liquid Crosslinker. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2794-2805 | 4.3 | 1 |
| 313 | Decarboxylation of Poly[N-(acryloyloxy)phthalimide] as a Versatile Tool for Post-Polymerization Modification.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200068 | 4.8 | 1 |
| 312 | Influence of 3D printed downstream support structures on pressure drop and entrainment of oleophilic and oleophobic oil mist filters. <i>Separation and Purification Technology</i> , 2022 , 290, 120802 | 8.3 | 1 |
| 311 | Synthesis and Application of Reactive Polymers via RAFT Polymerization 2021 , 829-871 | | 1 |
| 310 | Thiol-Based Click Polymerizations for Sulfur-Containing Polymers 2021 , 147-170 | | 0 |
| 309 | Polymers with Sulfur-Nitrogen Bonds 2021 , 191-234 | | |
| 308 | Carbon Disulfide Derived Polymers 2021 , 39-79 | | 1 |
| 307 | Synthesis of Sulfur-Containing Polymers Through Multicomponent Polymerizations 2021 , 1-37 | | |
| 306 | Synthesis of Polythioesters 2021 , 171-190 | | |
| 305 | High Refractive Index Sulfur-Containing Polymers (HRISPs) 2021 , 305-338 | | 2 |
| 304 | Reduction-Responsive Disulfide-Containing Polymers for Biomedical Applications 2021 , 393-428 | | |
| 303 | Acyclic Diene Metathesis (ADMET) Polymerization of 2,2,6,6-Tetramethylpiperidine-1-sulfanyl (TEMPS) Dimers. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100118 | 4.8 | 1 |
| 302 | Oligo(ethylene imine)-grafted glycidyl methacrylate linear and star homopolymers: Odd/Even correlated transfection efficiency. <i>Journal of Polymer Science</i> , 2021 , 59, 870-881 | 2.4 | |
| 301 | A panther chameleon skin-inspired core@shell supramolecular hydrogel with spatially organized multi-luminogens enables programmable color change. <i>Cell Reports Physical Science</i> , 2021 , 2, 100417 | 6.1 | 10 |

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| 300 | Synthesis and Post-Polymerization Modification of Poly(N-(4-Vinylphenyl)Sulfonamide)s. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100063 | 4.8 | 0 |
| 299 | Synthesis and Post-Polymerization Modification of Defined Functional Poly(vinyl ether)s. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100133 | 4.8 | 0 |
| 298 | Promotion of Color-Changing Luminescent Hydrogels from Thermo to Electrical Responsiveness toward Biomimetic Skin Applications. <i>ACS Nano</i> , 2021 , 15, 10415-10427 | 16.7 | 30 |
| 297 | Oxygen-switchable thermo-responsive polymers with unprecedented UCST in water. <i>European Polymer Journal</i> , 2021 , 142, 110156 | 5.2 | 5 |
| 296 | Dual-faced borax mediated synthesis of self-healable hydrogels merging dynamic covalent bonding and micellization. <i>Polymer Chemistry</i> , 2021 , 12, 361-369 | 4.9 | 3 |
| 295 | Investigation of the Porosity of Poly(sodium methacrylate) Hydrogels by 1H-NMR T2-Relaxation and Inverse Size-Exclusion Chromatography. <i>Macromolecular Chemistry and Physics</i> , 2021 , 222, 2000300 | 2.6 | 2 |
| 294 | Quasi-solid single ion conducting polymer electrolyte membrane containing novel fluorinated poly(arylene ether sulfonimide) for lithium metal batteries. <i>Journal of Power Sources</i> , 2021 , 484, 229267 | 8.9 | 12 |
| 293 | The toolbox of porous anodic aluminum oxideBased nanocomposites: from preparation to application. <i>Colloid and Polymer Science</i> , 2021 , 299, 325-341 | 2.4 | 6 |
| 292 | Structural design of pyrene-functionalized TEMPO-containing polymers for enhanced electrochemical storage performance. <i>Polymer Chemistry</i> , 2021 , 12, 2643-2650 | 4.9 | 3 |
| 291 | Recent progress in the shape deformation of polymeric hydrogels from memory to actuation. <i>Chemical Science</i> , 2021 , 12, 6472-6487 | 9.4 | 16 |
| 290 | Radical polymer-grafted carbon nanotubes as high-performance cathode materials for lithium organic batteries with promoted n-/p-type redox reactions. <i>Journal of Power Sources</i> , 2021 , 483, 229136 | 8.9 | 11 |
| 289 | A Systematic Study of Vinyl Ether-Based Poly(Ethylene Oxide) Side-Chain Polymer Electrolytes. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1573-1582 | 4.3 | 10 |
| 288 | Poly(disulfide)s 2021 , 367-392 | | |
| 287 | Carbonyl Sulfide Derived Polymers 2021 , 81-145 | | 1 |
| 286 | Aggregation-Induced Emissive Carbon Dots Gels for Octopus-Inspired Shape/Color Synergistically Adjustable Actuators. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21890-21898 | 16.4 | 21 |
| 285 | Styrene-Based Poly(ethylene oxide) Side-Chain Block Copolymers as Solid Polymer Electrolytes for High-Voltage Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 39257-39270 | 9.5 | 8 |
| 284 | Synthesis and post-polymerization modification of poly(propargyl 2-ylidene-acetate). <i>European Polymer Journal</i> , 2021 , 156, 110564 | 5.2 | 0 |
| 283 | Aggregation-Induced Emissive Carbon Dots Gels for Octopus-Inspired Shape/Color Synergistically Adjustable Actuators. <i>Angewandte Chemie</i> , 2021 , 133, 22061-22069 | 3.6 | 0 |

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| 282 | Radical polymer grafted graphene for high-performance Li ⁺ /Na ⁺ organic cathodes. <i>Journal of Power Sources</i> , 2021 , 511, 230363 | 8.9 | 3 |
| 281 | Elemental Sulfur Mediated Novel Multicomponent Redox Polycondensation for the Synthesis of Alternating Copolymers Based on 2,4-Thiophene/Arene Repeating Units. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000695 | 4.8 | 0 |
| 280 | Cage-Shaped Polymers Synthesis: A Comprehensive State-of-the-Art. <i>Macromolecular Rapid Communications</i> , 2021 , e2100760 | 4.8 | |
| 279 | Making the Best of Polymers with Sulfur-Nitrogen Bonds: From Sources to Innovative Materials. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000181 | 4.8 | 7 |
| 278 | A Bioinspired Hierarchical Underwater Superoleophobic Surface with Reversible pH Response. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000101 | 4.6 | 10 |
| 277 | Inverse Vulcanization of Styrylethyltrimethoxysilane-Coated Surfaces, Particles, and Crosslinked Materials. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18639-18645 | 16.4 | 12 |
| 276 | Dynamic covalent polymer networks via combined nitroxide exchange reaction and nitroxide mediated polymerization. <i>Polymer Chemistry</i> , 2020 , 11, 2502-2510 | 4.9 | 8 |
| 275 | Synergy of Macrocycles and Macromolecular Topologies: An Efficient [34]Triazolophane-Based Synthesis of Cage-Shaped Polymers. <i>ACS Macro Letters</i> , 2020 , 9, 700-705 | 6.6 | 11 |
| 274 | Post-polymerization modification of polymeric active esters towards TEMPO containing polymers: A systematic study. <i>European Polymer Journal</i> , 2020 , 130, 109660 | 5.2 | 9 |
| 273 | Fibrous Materials Based on Polymeric Salicyl Active Esters as Efficient Adsorbents for Selective Removal of Anionic Dye. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21100-21113 | 9.5 | 21 |
| 272 | The unrevealed potential of elemental sulfur for the synthesis of high sulfur content bio-based aliphatic polyesters. <i>Polymer Chemistry</i> , 2020 , 11, 241-248 | 4.9 | 10 |
| 271 | Supramolecularly cross-linked amphiphilic block copolymer assembly by the dipolar interaction of a merocyanine dye. <i>Polymer Chemistry</i> , 2020 , 11, 695-703 | 4.9 | 7 |
| 270 | A CO-gated anodic aluminum oxide based nanocomposite membrane for de-emulsification. <i>Nanoscale</i> , 2020 , 12, 21316-21324 | 7.7 | 1 |
| 269 | Conductive hydrogel composites with autonomous self-healing properties. <i>Soft Matter</i> , 2020 , 16, 10969-10976 | 3.1 | 766 |
| 268 | A 3D-printable, glucose-sensitive and thermoresponsive hydrogel as sacrificial materials for constructs with vascular-like channels. <i>Applied Materials Today</i> , 2020 , 20, 100778 | 6.6 | 10 |
| 267 | The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000216 | 2.6 | 36 |
| 266 | Inverse Vulcanization of Styrylethyltrimethoxysilane-Coated Surfaces, Particles, and Crosslinked Materials. <i>Angewandte Chemie</i> , 2020 , 132, 18798-18804 | 3.6 | 2 |
| 265 | Polymer-Based Batteries-Flexible and Thin Energy Storage Systems. <i>Advanced Materials</i> , 2020 , 32, e2000587 | 5.87 | 34 |

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| 264 | Post-polymerization modification of Poly(vinylcyclopropanes): A potential route to periodic copolymers. <i>European Polymer Journal</i> , 2020 , 122, 109319 | 5.2 | 8 |
| 263 | Advanced AAO Templating of Nanostructured Stimuli-Responsive Polymers: Hype or Hope?. <i>Advanced Functional Materials</i> , 2020 , 30, 1902959 | 15.6 | 16 |
| 262 | Porous Ultra-Thin Films from Photocleavable Block Copolymers: In-Situ Degradation Kinetics Study of Pore Material. <i>Polymers</i> , 2020 , 12, | 4.5 | 1 |
| 261 | Bioinspired Synergistic Fluorescence-Color-Switchable Polymeric Hydrogel Actuators. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16243-16251 | 16.4 | 136 |
| 260 | Trends in polymeric shape memory hydrogels and hydrogel actuators. <i>Polymer Chemistry</i> , 2019 , 10, 10364-1055 102 | 4.9 | 102 |
| 259 | UV-triggered CO ₂ -responsive behavior of nanofibers and their controlled drug release properties. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 1580-1586 | 2.5 | 8 |
| 258 | Polymer Functionalization. <i>Polymers and Polymeric Composites</i> , 2019 , 53-103 | 0.6 | 0 |
| 257 | Sulfur Chemistry in Polymer and Materials Science. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800650 | 4.8 | 113 |
| 256 | Soft Matter Technology at KIT: Chemical Perspective from Nanoarchitectures to Microstructures. <i>Advanced Materials</i> , 2019 , 31, e1806334 | 24 | 8 |
| 255 | Aggregation-Caused Quenching-Type Naphthalimide Fluorophores Grafted and Ionized in a 3D Polymeric Hydrogel Network for Highly Fluorescent and Locally Tunable Emission. <i>ACS Macro Letters</i> , 2019 , 8, 937-942 | 6.6 | 31 |
| 254 | Bioinspired Synergistic Fluorescence-Color-Switchable Polymeric Hydrogel Actuators. <i>Angewandte Chemie</i> , 2019 , 131, 16389-16397 | 3.6 | 22 |
| 253 | Glucose-Responsive Polymeric Micelles via Boronic Acid-Diol Complexation for Insulin Delivery at Neutral pH. <i>Biomacromolecules</i> , 2019 , 20, 871-881 | 6.9 | 39 |
| 252 | Enabling High-Rate and Safe Lithium Ion-Sulfur Batteries by Effective Combination of Sulfur-Copolymer Cathode and Hard-Carbon Anode. <i>ChemSusChem</i> , 2019 , 12, 480-486 | 8.3 | 14 |
| 251 | Polymerization-Induced Thermal Self-Assembly of Functional and Thermo-Responsive Diblock Copolymer Nano-Objects via RAFT Aqueous Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1800370 | 2.6 | 10 |
| 250 | pH and Thermo Dual-Responsive Fluorescent Hydrogel Actuator. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800648 | 4.8 | 39 |
| 249 | The glucose-responsive behavior of a block copolymer featuring boronic acid and glycine. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 422-431 | 2.5 | 14 |
| 248 | Mechanism for the Stable Performance of Sulfur-Copolymer Cathode in Lithium Sulfur Battery Studied by Solid-State NMR Spectroscopy. <i>Chemistry of Materials</i> , 2018 , 30, 2915-2923 | 9.6 | 33 |
| 247 | Surface Properties and Antimicrobial Activity of Poly(sulfur-co-1,3-diisopropenylbenzene) Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700497 | 2.6 | 36 |

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| 246 | Facile Fabrication of CO ₂ -Responsive Nanofibers from Photo-Cross-Linked Poly(pentafluorophenyl acrylate) Nanofibers. <i>ACS Macro Letters</i> , 2018 , 7, 431-436 | 6.6 | 21 |
| 245 | A synthetic approach toward a pH and sugar-responsive diblock copolymer via post-polymerization modification. <i>Polymer Chemistry</i> , 2018 , 9, 3355-3358 | 4.9 | 13 |
| 244 | Photocaged PNIPAM: A Light Tunable Thermal Responsive Polymer. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800104 | 2.6 | 12 |
| 243 | High Performance Humidity Fluctuation Sensor for Wearable Devices via a Bioinspired Atomic-Precise Tunable Graphene-Polymer Heterogeneous Sensing Junction. <i>Chemistry of Materials</i> , 2018 , 30, 4343-4354 | 9.6 | 80 |
| 242 | Mimosa inspired bilayer hydrogel actuator functioning in multi-environments. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1320-1327 | 7.1 | 125 |
| 241 | "Breathing" CO ₂ , O ₂ , and Light-Responsive Vesicles from a Triblock Copolymer for Rate-Tunable Controlled Release. <i>Macromolecular Rapid Communications</i> , 2018 , 39, 1700313 | 4.8 | 24 |
| 240 | Synthesis of N,N-Diethyl, N-Methyl Chitosan Chloride with Certain Quaternization Degree and Molecular Spectroscopic and Thermo-Morphological Study of the Alkylation. <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 2018 , 39, 77-88 | 0.6 | 3 |
| 239 | Polymer Functionalization. <i>Polymers and Polymeric Composites</i> , 2018 , 1-51 | 0.6 | 1 |
| 238 | Smart composite hydrogel with pH-, ionic strength- and temperature-induced actuation. <i>Soft Matter</i> , 2018 , 14, 8401-8407 | 3.6 | 56 |
| 237 | No Heat, No Light-The Future of Sulfur Polymers Prepared at Room Temperature Is Bright. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13012-13014 | 16.4 | 20 |
| 236 | Ohne Licht und ohne Hitze? Bei Raumtemperatur hergestellte Schwefelpolymere sind spitze!. <i>Angewandte Chemie</i> , 2018 , 130, 13194-13196 | 3.6 | 6 |
| 235 | UV-triggered shape-controllable PP fabric. <i>Polymer Chemistry</i> , 2018 , 9, 3232-3237 | 4.9 | 10 |
| 234 | Synthesis of Poly(glycidyl 2-ylidene-acetate) and Functionalization by Nucleophilic Ring-Opening Reactions. <i>Macromolecules</i> , 2017 , 50, 1415-1421 | 5.5 | 7 |
| 233 | CO ₂ -Triggered UCST transition of amphiphilic triblock copolymers and their self-assemblies. <i>Polymer Chemistry</i> , 2017 , 8, 2619-2629 | 4.9 | 27 |
| 232 | Glucose-sensitive self-healing hydrogel as sacrificial materials to fabricate vascularized constructs. <i>Biomaterials</i> , 2017 , 133, 20-28 | 15.6 | 65 |
| 231 | A sulfur-benzenol allyl ether copolymer: a material synthesized via inverse vulcanization from renewable resources and its application in LiB batteries. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1818-1822 | 7.8 | 46 |
| 230 | Supramolecularly Cross-Linked Nanogel by Merocyanine Pendent Copolymer. <i>ACS Macro Letters</i> , 2017 , 6, 50-55 | 6.6 | 8 |
| 229 | CO ₂ -Responsive graft copolymers: synthesis and characterization. <i>Polymer Chemistry</i> , 2017 , 8, 1206-1214 | 4.9 | 25 |

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| 228 | Thermoresponsive and Active Functional Fiber Mats for Cultured Cell Recovery. <i>Biomacromolecules</i> , 2017 , 18, 3714-3725 | 6.9 | 3 |
| 227 | The Contribution of IUPAC to Polymer Science Education. <i>Journal of Chemical Education</i> , 2017 , 94, 1618-1628 | 6.28 | 0 |
| 226 | Functional Polymer Surfaces via Post-polymerization Modification 2017 , 193-224 | | |
| 225 | CO ₂ -Tuned Sequential Synthesis of Stereoblock Copolymers Comprising a Stereoregularity-Adjustable Polyester Block and an Atactic CO ₂ -Based Polycarbonate Block. <i>Macromolecules</i> , 2017 , 50, 9207-9215 | 5.5 | 17 |
| 224 | Fabrication of color changeable CO ₂ sensitive nanofibers. <i>Polymer Chemistry</i> , 2017 , 8, 7446-7451 | 4.9 | 13 |
| 223 | Self-Diffusion Driven Ultrafast Detection of ppm-Level Nitroaromatic Pollutants in Aqueous Media Using a Hydrophilic Fluorescent Paper Sensor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23884-23893 | 8.53 | 52 |
| 222 | CO ₂ -Responsive polymer materials. <i>Polymer Chemistry</i> , 2017 , 8, 12-23 | 4.9 | 120 |
| 221 | Sulfur-Based Polymer Composites from Vegetable Oils and Elemental Sulfur: A Sustainable Active Material for LIB Batteries. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600303 | 2.6 | 78 |
| 220 | Mechanical and Electrical Properties of Sulfur-Containing Polymeric Materials Prepared via Inverse Vulcanization. <i>Polymers</i> , 2017 , 9, | 4.5 | 38 |
| 219 | A Multiple Shape Memory Hydrogel Induced by Reversible Physical Interactions at Ambient Condition. <i>Polymers</i> , 2017 , 9, | 4.5 | 23 |
| 218 | Activated Ester Containing Polymers: Opportunities and Challenges for the Design of Functional Macromolecules. <i>Chemical Reviews</i> , 2016 , 116, 1434-95 | 68.1 | 257 |
| 217 | Highly Cis/Trans-Stereoselective (ONSO)CrCl-Catalyzed Ring-Opening Copolymerization of Norbornene Anhydrides and Epoxides. <i>Macromolecules</i> , 2016 , 49, 6232-6239 | 5.5 | 22 |
| 216 | Synthesis of poly(allyl 2-ylidene-acetate) and subsequent post-polymerization modification via thiol-ene reaction. <i>Polymer Chemistry</i> , 2016 , 7, 4525-4530 | 4.9 | 10 |
| 215 | Fabrication of Chemically Tunable, Hierarchically Branched Polymeric Nanostructures by Multi-branched Anodic Aluminum Oxide Templates. <i>Langmuir</i> , 2016 , 32, 6437-44 | 4 | 22 |
| 214 | Penetration and exchange kinetics of primary alkyl amines applied to reactive poly(pentafluorophenyl acrylate) thin films. <i>Polymer Journal</i> , 2016 , 48, 487-495 | 2.7 | 10 |
| 213 | Synthesis of Polymers via Kabachnik-Fields Polycondensation. <i>ACS Macro Letters</i> , 2016 , 5, 10-13 | 6.6 | 45 |
| 212 | Rapid Mercury(II) Removal by Electrospun Sulfur Copolymers. <i>Polymers</i> , 2016 , 8, | 4.5 | 58 |
| 211 | Comparative study on post-polymerization modification of C1 poly(benzyl 2-ylidene-acetate) and its C2 analog poly(benzyl acrylate). <i>Journal of Polymer Science Part A</i> , 2016 , 54, 686-691 | 2.5 | 8 |

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| 210 | Reactive Coatings in Glass Capillaries: Preparation of Temperature- and Light-Responsive Surfaces and Accurate Determination of Wettability Switching. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 92-100 | 2.6 | 3 |
| 209 | Electrospinning of Crystallizable Polypeptoid Fibers. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 100-104 | 4.8 | 15 |
| 208 | 1,1-Disubstituted-2-vinylcyclopropanes for the synthesis of amphiphilic polymers. <i>European Polymer Journal</i> , 2015 , 66, 319-327 | 5.2 | 7 |
| 207 | Well-defined carbohydrate-based polymers in calcium carbonate crystallization: Influence of stereochemistry in the polymer side chain on polymorphism and morphology. <i>European Polymer Journal</i> , 2015 , 69, 628-635 | 5.2 | 7 |
| 206 | Swelling behavior of thermosensitive nanocomposite hydrogels composed of oligo(ethylene glycol) methacrylates and clay. <i>European Polymer Journal</i> , 2015 , 69, 472-482 | 5.2 | 44 |
| 205 | Post-polymerization Modification of Surface-Bound Polymers. <i>Advances in Polymer Science</i> , 2015 , 163-192 | 3 | 3 |
| 204 | Facile synthesis of fluorescent polymer nanoparticles by covalent modification-nanoprecipitation of amine-reactive ester polymers. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1089-95 | 4.8 | 18 |
| 203 | Synthesis of 4-Arm Polystyrene Star Polymers by Sequential Reactions. <i>ACS Symposium Series</i> , 2015 , 107-126 | 12.6 | 3 |
| 202 | Inverse vulcanization of elemental sulfur with 1,4-diphenylbutadiyne for cathode materials in LiB batteries. <i>RSC Advances</i> , 2015 , 5, 24718-24722 | 3.7 | 114 |
| 201 | Formation of thermo-sensitive and cross-linkable micelles by self-assembly of poly(pentafluorophenyl acrylate)-containing block copolymer. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 1103-1113 | 2.5 | 20 |
| 200 | Sequential Reactions for Post-polymerization Modifications. <i>Advances in Polymer Science</i> , 2015 , 133-162 | 1.3 | 9 |
| 199 | Temperature dependence of surface reorganization characteristics of amphiphilic block copolymer in air and in water studied by scanning force microscopy. <i>Journal of Plastic Film and Sheeting</i> , 2015 , 31, 434-448 | 2.4 | 3 |
| 198 | UV-tunable upper critical solution temperature behavior of azobenzene containing poly(methyl methacrylate) in aqueous ethanol. <i>European Polymer Journal</i> , 2015 , 62, 435-441 | 5.2 | 29 |
| 197 | Thermo-Induced Double Phase Transition Behavior of Physically Cross-Linked Hydrogels Based on Oligo(ethylene glycol) methacrylates. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 2230-2240 | 2.6 | 16 |
| 196 | Polymer Education in Germany. <i>Macromolecular Symposia</i> , 2015 , 355, 119-125 | 0.8 | 0 |
| 195 | Update on Polymer Education in Korea. <i>Macromolecular Symposia</i> , 2015 , 355, 68-74 | 0.8 | 0 |
| 194 | Investigation of Antifouling Properties of Surfaces Featuring Zwitterionic α -Aminophosphonic Acid Moieties. <i>Macromolecular Bioscience</i> , 2015 , 15, 1673-8 | 5.5 | 7 |
| 193 | Controllable Synthesis of Stereoregular Polyesters by Organocatalytic Alternating Copolymerizations of Cyclohexene Oxide and Norbornene Anhydrides. <i>Macromolecules</i> , 2015 , 48, 3431-3437 | 5.5 | 65 |

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| 192 | Toward Self-Healing Hydrogels Using One-Pot Thiol-Ene Click and Borax-Diol Chemistry. <i>ACS Macro Letters</i> , 2015 , 4, 673-678 | 6.6 | 104 |
| 191 | Installation of Zwitterionic β -Amino Phosphonic Acid Moieties on Surfaces via a Kabachnik-Fields Post-Polymerization Modification. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 783-793 | 2.6 | 14 |
| 190 | Distortion of Ultrathin Photocleavable Block Copolymer Films during Photocleavage and Nanopore Formation. <i>Langmuir</i> , 2015 , 31, 8947-52 | 4 | 12 |
| 189 | Multifaceted Synthetic Route to Functional Polyacrylates by Transesterification of Poly(pentafluorophenyl acrylates). <i>Macromolecules</i> , 2015 , 48, 8695-8707 | 5.5 | 49 |
| 188 | Thermoresponsive self-assembly of nanostructures from a collagen-like peptide-containing diblock copolymer. <i>Macromolecular Bioscience</i> , 2015 , 15, 111-23 | 5.5 | 34 |
| 187 | Preparation of dual stimuli-responsive block copolymers based on different activated esters with distinct reactivities. <i>European Polymer Journal</i> , 2015 , 69, 523-531 | 5.2 | 14 |
| 186 | A novel nanocomposite hydrogel with precisely tunable UCST and LCST. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 477-82 | 4.8 | 42 |
| 185 | Thermo- and CO ₂ -Responsive Linear Polymers and Hydrogels as CO ₂ Capturing Materials. <i>Science of Advanced Materials</i> , 2015 , 7, 948-955 | 2.3 | 18 |
| 184 | Efficient Multicomponent Postpolymerization Modification Based on Kabachnik-Fields Reaction.. <i>ACS Macro Letters</i> , 2014 , 3, 329-332 | 6.6 | 90 |
| 183 | Sequential post-polymerization modification reactions of poly(pentafluorophenyl 4-vinylbenzenesulfonate). <i>Polymer Chemistry</i> , 2014 , 5, 2320 | 4.9 | 29 |
| 182 | Thiol-ene modification of electrospun polybutadiene fibers crosslinked by UV irradiation. <i>Polymer</i> , 2014 , 55, 5596-5599 | 3.9 | 29 |
| 181 | Electrochromic poly(acetylene)s with switchable visible/near-IR absorption characteristics. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 210-213 | 4.8 | 11 |
| 180 | Postpolymerization modification of reactive polymers derived from vinylcyclopropane. III. Polymer sequential functionalization using a combination of amines with alkoxyamines, hydrazides, isocyanates, or acyl halides. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 2841-2849 | 2.5 | 13 |
| 179 | Topology-dependent switchability of peptide secondary structures in bioconjugates with complex architectures. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 180-185 | 4.8 | 7 |
| 178 | Synthesis and Characterization of Hydroxyl-Functionalized Poly(propylene carbonate). <i>Macromolecules</i> , 2014 , 47, 492-497 | 5.5 | 38 |
| 177 | Postpolymerization modification using less cytotoxic activated ester polymers for the synthesis of biological active polymers. <i>Biomacromolecules</i> , 2014 , 15, 3197-205 | 6.9 | 16 |
| 176 | Post-polymerization modification of reactive polymers derived from vinylcyclopropane: a poly(vinylcyclopropane) derivative with physical gelation and UCST behaviour in ethanol/water mixtures. <i>Polymer Chemistry</i> , 2014 , 5, 5823-5828 | 4.9 | 18 |
| 175 | Light-induced wettability changes on polymer surfaces. <i>Polymer</i> , 2014 , 55, 3436-3453 | 3.9 | 76 |

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| 174 | Activation of stable polymeric esters by using organo-activated acyl transfer reactions. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 1353-1358 | 2.5 | 17 |
| 173 | Preparation of Functional Polyamine Scaffolds via Mitsunobu Post-Polymerization Modification Reactions. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 661-665 | 4.8 | 4 |
| 172 | Dual Functionalization of Nanostructures of Block Copolymers with Quantum Dots and Organic Fluorophores. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 654-661 | 2.6 | 4 |
| 171 | Synthesis of CO ₂ -responsive polymers by post-polymerization modification. <i>Reactive and Functional Polymers</i> , 2014 , 75, 16-21 | 4.6 | 32 |
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