

Tomasz Kowalewski

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192 papers	14,143 citations	66 h-index	115 g-index
200 ext. papers	14,878 ext. citations	8 avg, IF	6.27 L-index

#	Paper	IF	Citations
192	Synthesis of Polymer Brushes Using Atom Transfer Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2003 , 24, 1043-1059	4.8	622
191	Nanocages Derived from Shell Cross-Linked Micelle Templates. <i>Journal of the American Chemical Society</i> , 1999 , 121, 3805-3806	16.4	566
190	Water-Soluble Knedel-like Structures: The Preparation of Shell-Cross-Linked Small Particles. <i>Journal of the American Chemical Society</i> , 1996 , 118, 7239-7240	16.4	490
189	Nanostructure dependence of field-effect mobility in regioregular poly(3-hexylthiophene) thin film field effect transistors. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3480-1	16.4	421
188	In situ atomic force microscopy study of Alzheimer's beta-amyloid peptide on different substrates: new insights into mechanism of beta-sheet formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 3688-93	11.5	377
187	Tuning the electrical conductivity and self-assembly of regioregular polythiophene by block copolymerization: nanowire morphologies in new di- and triblock copolymers. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 329-32	16.4	362
186	Self-Healing Polymer Films Based on ThiolDisulfide Exchange Reactions and Self-Healing Kinetics Measured Using Atomic Force Microscopy. <i>Macromolecules</i> , 2012 , 45, 142-149	5.5	360
185	Light-induced reversible formation of polymeric micelles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2453-7	16.4	348
184	Shell Cross-Linked Knedels: A Synthetic Study of the Factors Affecting the Dimensions and Properties of Amphiphilic Core-Shell Nanospheres. <i>Journal of the American Chemical Society</i> , 1997 , 119, 6656-6665	16.4	338
183	Electrochemically active nitrogen-enriched nanocarbons with well-defined morphology synthesized by pyrolysis of self-assembled block copolymer. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14846-57	16.4	327
182	ABCA1 is required for normal central nervous system ApoE levels and for lipidation of astrocyte-secreted apoE. <i>Journal of Biological Chemistry</i> , 2004 , 279, 40987-93	5.4	304
181	Synthesis and Characterization of Organic/Inorganic Hybrid Nanoparticles: Kinetics of Surface-Initiated Atom Transfer Radical Polymerization and Morphology of Hybrid Nanoparticle Ultrathin Films. <i>Macromolecules</i> , 2003 , 36, 5094-5104	5.5	297
180	Novel Thiophene-Thiazolothiazole Copolymers for Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2007 , 19, 4160-4165	24	266
179	High-lamellar ordering and amorphous-like pi-network in short-chain thiazolothiazole-thiophene copolymers lead to high mobilities. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2521-9	16.4	248
178	Interaction of DNA-dependent protein kinase with DNA and with Ku: biochemical and atomic-force microscopy studies. <i>EMBO Journal</i> , 1997 , 16, 5098-112	13	242
177	Hydrogel-Coated Glassy Nanospheres: A Novel Method for the Synthesis of Shell Cross-Linked Knedels. <i>Journal of the American Chemical Society</i> , 1997 , 119, 11653-11659	16.4	230
176	Highly disordered polymer field effect transistors: N-alkyl dithieno[3,2-b:2',3'-d]pyrrole-based copolymers with surprisingly high charge carrier mobilities. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13167-76	16.4	224

175	Nanostructured carbon arrays from block copolymers of polyacrylonitrile. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10632-3	16.4	224
174	Conducting Regioregular Polythiophene Block Copolymer Nanofibrils Synthesized by Reversible Addition Fragmentation Chain Transfer Polymerization (RAFT) and Nitroxide Mediated Polymerization (NMP). <i>Macromolecules</i> , 2007 , 40, 4733-4735	5.5	203
173	Polymer-coated ferromagnetic colloids from well-defined macromolecular surfactants and assembly into nanoparticle chains. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6562-3	16.4	200
172	Long-range ordered thin films of block copolymers prepared by zone-casting and their thermal conversion into ordered nanostructured carbon. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6918-9	16.4	197
171	Nonleaching antibacterial glass surfaces via "Grafting Onto": the effect of the number of quaternary ammonium groups on biocidal activity. <i>Langmuir</i> , 2008 , 24, 6785-95	4	186
170	Synthesis of mesoporous carbons using ordered and disordered mesoporous silica templates and polyacrylonitrile as carbon precursor. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9216-25	3.4	186
169	Investigation of the radial deformability of individual carbon nanotubes under controlled indentation force. <i>Physical Review Letters</i> , 2000 , 85, 1456-9	7.4	181
168	Volatile organic compound detection using nanostructured copolymers. <i>Nano Letters</i> , 2006 , 6, 1598-602	11.5	174
167	Synthesis of well-defined block copolymers tethered to polysilsesquioxane nanoparticles and their nanoscale morphology on surfaces. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9445-6	16.4	159
166	Inkjet printed chemical sensor array based on polythiophene conductive polymers. <i>Sensors and Actuators B: Chemical</i> , 2007 , 123, 651-660	8.5	148
165	Transistor paint: high mobilities in small bandgap polymer semiconductor based on the strong acceptor, diketopyrrolopyrrole and strong donor, dithienopyrrole. <i>Advanced Materials</i> , 2010 , 22, 4617-22	24	142
164	Synthesis and characterization of silica-graft-polystyrene hybrid nanoparticles: Effect of constraint on the glass-transition temperature of spherical polymer brushes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 2667-2676	2.6	138
163	Synthesis of Block, Statistical, and Gradient Copolymers from Octadecyl (Meth)acrylates Using Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2003 , 36, 8969-8977	5.5	128
162	Preparation of Polyacrylonitrile-block-poly(n-butyl acrylate) Copolymers Using Atom Transfer Radical Polymerization and Nitroxide Mediated Polymerization Processes. <i>Macromolecules</i> , 2003 , 36, 1465-1473	5.5	126
161	Grafting Monodisperse Polymer Chains from Concave Surfaces of Ordered Mesoporous Silicas. <i>Macromolecules</i> , 2008 , 41, 8584-8591	5.5	121
160	Scanning probe acceleration microscopy (SPAM) in fluids: mapping mechanical properties of surfaces at the nanoscale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 4813-8	11.5	117
159	Structural Analysis of Collapsed, and Twisted and Collapsed, Multiwalled Carbon Nanotubes by Atomic Force Microscopy. <i>Physical Review Letters</i> , 2001 , 86, 87-90	7.4	106
158	Grafting Poly(n-butyl acrylate) from a Functionalized Carbon Black Surface by Atom Transfer Radical Polymerization. <i>Langmuir</i> , 2003 , 19, 6342-6345	4	105

157	The morphology and orientation of polyethylene in films of sub-micron thickness crystallized in contact with calcite and rubber substrates. <i>Polymer</i> , 1999 , 40, 2367-2380	3.9	105
156	Highly Stable Semiconducting Polymers Based on Thiazolothiazole. <i>Chemistry of Materials</i> , 2010 , 22, 4191-4196	9.6	104
155	Copolymer-templated nitrogen-enriched porous nanocarbons for CO ₂ capture. <i>Chemical Communications</i> , 2012 , 48, 11516-8	5.8	98
154	Well-defined carbon nanoparticles prepared from water-soluble shell cross-linked micelles that contain polyacrylonitrile cores. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2783-7	16.4	97
153	One-Pot Synthesis of Hairy Nanoparticles by Emulsion ATRP. <i>Macromolecules</i> , 2009 , 42, 1597-1603	5.5	94
152	Polyolefin graft copolymers via living polymerization techniques: Preparation of poly(n-butyl acrylate)-graft-polyethylene through the combination of Pd-mediated living olefin polymerization and atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 2736-2749	2.5	93
151	Conducting Block Copolymers of Regioregular Poly(3-hexylthiophene) and Poly(methacrylates): Electronic Materials with Variable Conductivities and Degrees of Interfibrillar Order. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 1816-1824	4.8	91
150	Synthesis, Characterization, and Derivatization of Hyperbranched Polyfluorinated Polymers. <i>Macromolecules</i> , 1998 , 31, 776-786	5.5	89
149	Effect of different anti-Aβ antibodies on Aβ fibrillogenesis as assessed by atomic force microscopy. <i>Journal of Molecular Biology</i> , 2004 , 335, 997-1006	6.5	88
148	Templated synthesis of nitrogen-enriched nanoporous carbon materials from porogenic organic precursors prepared by ATRP. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3957-60	16.4	87
147	Two-dimensional, shell-cross-linked nanoparticle arrays. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4627-8	16.4	86
146	Preparation of polymeric nanoscale networks from cylindrical molecular bottlebrushes. <i>ACS Nano</i> , 2012 , 6, 6208-14	16.7	80
145	Partially graphitic, high-surface-area mesoporous carbons from polyacrylonitrile templated by ordered and disordered mesoporous silicas. <i>Microporous and Mesoporous Materials</i> , 2007 , 102, 178-187	5.3	80
144	Chemically induced supramolecular reorganization of triblock copolymer assemblies: trapping of intermediate states via a shell-crosslinking methodology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 5058-63	11.5	80
143	Transistor Paint: Environmentally Stable N-alkyldithienopyrrole and Bithiazole-Based Copolymer Thin-Film Transistors Show Reproducible High Mobilities without Annealing. <i>Advanced Functional Materials</i> , 2009 , 19, 3427-3434	15.6	79
142	RAFT Polymerization of Acrylonitrile and Preparation of Block Copolymers Using 2-Cyanoethyl Dithiobenzoate as the Transfer Agent. <i>Macromolecules</i> , 2003 , 36, 8587-8589	5.5	79
141	Regioregular Poly(3-hexylthiophene) in a Novel Conducting Amphiphilic Block Copolymer. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 11-6	4.8	76
140	Nanoporous Polystyrene and Carbon Materials with Core-Shell Nanosphere-Interconnected Network Structure. <i>Macromolecules</i> , 2011 , 44, 5846-5849	5.5	75

139	Comparison of the Thermoresponsive Deswelling Kinetics of Poly(2-(2-methoxyethoxy)ethyl methacrylate) Hydrogels Prepared by ATRP and FRP. <i>Macromolecules</i> , 2010 , 43, 4791-4797	5.5	75
138	Facile Aqueous Route to Nitrogen-Doped Mesoporous Carbons. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12931-12934	16.4	73
137	Synthesis and Morphology of Molecular Brushes with Polyacrylonitrile Block Copolymer Side Chains and Their Conversion into Nanostructured Carbons. <i>Macromolecules</i> , 2007 , 40, 6199-6205	5.5	73
136	Nanoporous Carbon Films from Hairy Polyacrylonitrile-Grafted Colloidal Silica Nanoparticles. <i>Advanced Materials</i> , 2008 , 20, 1516-1522	24	73
135	Synthesis and Direct Visualization of Block Copolymers Composed of Different Macromolecular Architectures. <i>Macromolecules</i> , 2005 , 38, 2674-2685	5.5	72
134	Influence of chalk and its surface treatment on crystallization of filled polypropylene. <i>Journal of Applied Polymer Science</i> , 1986 , 32, 2919-2934	2.9	72
133	Water-Dispersible Carbon Black Nanocomposites Prepared by Surface-Initiated Atom Transfer Radical Polymerization in Protic Media. <i>Macromolecules</i> , 2006 , 39, 548-556	5.5	71
132	Shell cross-linked polymer micelles: stabilized assemblies with great versatility and potential. <i>Colloids and Surfaces B: Biointerfaces</i> , 1999 , 16, 45-54	6	71
131	Conducting Block Copolymer Nanowires Containing Regioregular Poly(3-Hexylthiophene) and Polystyrene. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1991-2000	2.2	69
130	Robust control of microdomain orientation in thin films of block copolymers by zone casting. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11802-9	16.4	68
129	Environmentally-Responsive, Entirely Hydrophilic, Shell Cross-linked (SCK) Nanoparticles. <i>Nano Letters</i> , 2001 , 1, 651-655	11.5	68
128	Magnetic assembly and pyrolysis of functional ferromagnetic colloids into one-dimensional carbon nanostructures. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8694-5	16.4	67
127	Block Copolymer Templating as a Path to Porous Nanostructured Carbons with Highly Accessible Nitrogens for Enhanced (Electro)chemical Performance. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 1078-1090	2.6	66
126	Synthesis, Characterization, and Properties of Starlike Poly(n-butyl acrylate)-b-poly(methyl methacrylate) Block Copolymers. <i>Macromolecules</i> , 2010 , 43, 1227-1235	5.5	65
125	Ferrocene functional polymer brushes on indium tin oxide via surface-initiated atom transfer radical polymerization. <i>Langmuir</i> , 2010 , 26, 2083-92	4	64
124	Dry Spinning Based Spinneret Based Tunable Engineered Parameters (STEP) Technique for Controlled and Aligned Deposition of Polymeric Nanofibers. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1406-12	4.8	64
123	Conjugated Polymers with Repeated Sequences of Group 16 Heterocycles Synthesized through Catalyst-Transfer Polycondensation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6798-804	16.4	62
122	Comparison of Thermoresponsive Deswelling Kinetics of Poly(oligo(ethylene oxide) methacrylate)-Based Thermoresponsive Hydrogels Prepared by Graft-from ATRP. <i>Macromolecules</i> , 2011 , 44, 2261-2268	5.5	57

121	Synthesis and Characterization of New Liquid-Crystalline Block Copolymers with p-Cyanoazobenzene Moieties and Poly(n-butyl acrylate) Segments Using Atom-Transfer Radical Polymerization. <i>Macromolecules</i> , 2004 , 37, 9355-9365	5.5	57
120	"Hairy" single-walled carbon nanotubes prepared by atom transfer radical polymerization. <i>Small</i> , 2007 , 3, 1803-10	11	56
119	Complex nanostructured materials from segmented copolymers prepared by ATRP. <i>European Physical Journal E</i> , 2003 , 10, 5-16	1.5	56
118	Star-like poly (n-butyl acrylate)-b-poly (ε-methylene-ε-butyrolactone) block copolymers for high temperature thermoplastic elastomers applications. <i>Polymer</i> , 2010 , 51, 4806-4813	3.9	54
117	Well-Defined Poly(ethylene oxide)-b-Polyacrylonitrile Diblock Copolymers as Templates for Mesoporous Silicas and Precursors for Mesoporous Carbons. <i>Chemistry of Materials</i> , 2006 , 18, 1417-1424	9.6	54
116	Packaging of DNA by shell crosslinked nanoparticles. <i>Nucleic Acids Research</i> , 1999 , 27, 2966-71	20.1	52
115	Polyacrylonitrile-derived nanostructured carbon materials. <i>Progress in Polymer Science</i> , 2019 , 92, 89-134	29.6	50
114	Stille Catalyst-Transfer Polycondensation Using Pd-PEPPSI-IPr for High-Molecular-Weight Regioregular Poly(3-hexylthiophene). <i>Macromolecular Rapid Communications</i> , 2015 , 36, 840-4	4.8	48
113	Thermal shaping of shell-crosslinked (SCK) nanoparticles, facilitated by nanoconfinement of fluid-like cores. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2785-2795		47
112	In-Situ Platinum Deposition on Nitrogen-Doped Carbon Films as a Source of Catalytic Activity in a Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21531-8	9.5	45
111	Well-defined, high molecular weight poly(3-alkylthiophene)s in thin-film transistors: side chain invariance in field-effect mobility. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3195		45
110	Modeling the response of dual cross-linked nanoparticle networks to mechanical deformation. <i>Soft Matter</i> , 2013 , 9, 109-121	3.6	44
109	Novel Nanoporous Carbons from Well-Defined Poly(styrene-co-acrylonitrile)-Grafted Silica Nanoparticles. <i>Chemistry of Materials</i> , 2011 , 23, 2024-2026	9.6	44
108	Polyacrylonitrile-b-poly(butyl acrylate) Block Copolymers as Precursors to Mesoporous Nitrogen-Doped Carbons: Synthesis and Nanostructure. <i>Macromolecules</i> , 2017 , 50, 2759-2767	5.5	43
107	Catalyst-Free Selective Photoactivation of RAFT Polymerization: A Facile Route for Preparation of Comblike and Bottlebrush Polymers. <i>Macromolecules</i> , 2018 , 51, 7776-7784	5.5	43
106	Synthesis and in situ atomic force microscopy characterization of temperature-responsive hydrogels based on poly(2-(dimethylamino)ethyl methacrylate) prepared by atom transfer radical polymerization. <i>Langmuir</i> , 2007 , 23, 241-9	4	42
105	Transformation of gels via catalyst-free selective RAFT photoactivation. <i>Polymer Chemistry</i> , 2019 , 10, 2477-2483	4.9	40
104	Local packing in glassy polycarbonate by carbon-deuterium REDOR NMR. <i>Macromolecules</i> , 1993 , 26, 1729-1734	3.5	40

103	Transformable Materials: Structurally Tailored and Engineered Macromolecular (STEM) Gels by Controlled Radical Polymerization. <i>Macromolecules</i> , 2018 , 51, 3808-3817	5.5	39
102	Templating Conducting Polymers via Self-Assembly of Block Copolymers and Supramolecular Recognition. <i>Macromolecules</i> , 2007 , 40, 7745-7747	5.5	38
101	Block copolymer-templated nitrogen-enriched nanocarbons with morphology-dependent electrocatalytic activity for oxygen reduction. <i>Chemical Science</i> , 2014 , 5, 3315	9.4	37
100	Self Encapsulated Poly(3-hexylthiophene)-poly(fluorinated alkyl methacrylate) Rod-Coil Block Copolymers with High Field Effect Mobilities on Bare SiO ₂ . <i>Advanced Functional Materials</i> , 2012 , 22, 1024-1032 ^{15,6}	10.6	37
99	Copolymer-templated nitrogen-enriched nanocarbons as a low charge-transfer resistance and highly stable alternative to platinum cathodes in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4413-4419	13	36
98	Nanodroplets of polyisoprene fluid contained within poly(acrylic acid-co-acrylamide) shells. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 1659-1668	2.5	35
97	Synthesis of Polyfuran and Thiophene-Furan Alternating Copolymers Using Catalyst-Transfer Polycondensation. <i>ACS Macro Letters</i> , 2016 , 5, 332-336	6.6	33
96	Synthesis and Characterization of Styrene/Butyl Acrylate Linear and Star Block Copolymers via Atom Transfer Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 801-811	2.6	33
95	Insights into fluid tapping-mode atomic force microscopy provided by numerical simulations. <i>Applied Physics Letters</i> , 2005 , 87, 163120	3.4	33
94	Dangling chain elastomers as repeatable fibrillar adhesives. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2277-87	9.5	32
93	Thermoresponsive hydrogel scaffolds with tailored hydrophilic pores. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 128-36	4.5	31
92	Effect of self-assembled monolayers on charge injection and transport in poly(3-hexylthiophene)-based field-effect transistors at different channel length scales. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2973-8	9.5	31
91	Strain recovery and self-healing in dual cross-linked nanoparticle networks. <i>Polymer Chemistry</i> , 2013 , 4, 4927	4.9	30
90	In situ AFM studies of astrocyte-secreted apolipoprotein E- and J-containing lipoproteins. <i>Journal of Colloid and Interface Science</i> , 2004 , 278, 96-106	9.3	30
89	Tuning the Electrical Conductivity and Self-Assembly of Regioregular Polythiophene by Block Copolymerization: Nanowire Morphologies in New Di- and Triblock Copolymers. <i>Angewandte Chemie</i> , 2002 , 114, 339-342	3.6	30
88	Cooperative, reversible self-assembly of covalently pre-linked proteins into giant fibrous structures. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8050-5	16.4	29
87	Ductility, toughness and strain recovery in self-healing dual cross-linked nanoparticle networks studied by computer simulations. <i>Progress in Polymer Science</i> , 2015 , 40, 121-137	29.6	28
86	Imaging stability and average tip-sample force in tapping mode atomic force microscopy. <i>Journal of Applied Physics</i> , 2006 , 99, 064903	2.5	28

85	Preparation of porous nanocarbons with tunable morphology and pore size from copolymer templated precursors. <i>Materials Horizons</i> , 2014 , 1, 121-124	14.4	27
84	Soft-Templated Tellurium-Doped Mesoporous Carbon as a Pt-Free Electrocatalyst for High-Performance Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2093-2102	9.5	27
83	Copolymer-Templated Synthesis of Nitrogen-Doped Mesoporous Carbons for Enhanced Adsorption of Hexavalent Chromium and Uranium. <i>ACS Applied Nano Materials</i> , 2018 , 1, 2536-2543	5.6	26
82	Synthesis and Surface Attachment of ABC Triblock Copolymers Containing Glassy and Rubbery Segments. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 411-417	2.6	26
81	Polymer-Based Synthetic Routes to Carbon-Based Metal-Free Catalysts. <i>Advanced Materials</i> , 2019 , 31, e1804626	24	26
80	Tuning the molecular weight distribution from atom transfer radical polymerization using deep reinforcement learning. <i>Molecular Systems Design and Engineering</i> , 2018 , 3, 496-508	4.6	25
79	The modulating effect of mechanical changes in lipid bilayers caused by apoE-containing lipoproteins on A β -induced membrane disruption. <i>ACS Chemical Neuroscience</i> , 2011 , 2, 588-599	5.7	24
78	Solvent induced morphologies of poly(methyl methacrylate-b-ethylene oxide-b-methyl methacrylate) triblock copolymers synthesized by atom transfer radical polymerization. <i>Polymer</i> , 2007 , 48, 7279-7290	3.9	24
77	Structurally Tailored and Engineered Macromolecular (STEM) Gels as Soft Elastomers and Hard/Soft Interfaces. <i>Macromolecules</i> , 2018 , 51, 9184-9191	5.5	24
76	Controlled Preparation of Well-Defined Mesoporous Carbon/Polymer Hybrids via Surface-Initiated ICAR ATRP with a High Dilution Strategy Assisted by Facile Polydopamine Chemistry. <i>Macromolecules</i> , 2016 , 49, 8943-8950	5.5	23
75	Modeling polymer grafted nanoparticle networks reinforced by high-strength chains. <i>Soft Matter</i> , 2014 , 10, 1374-83	3.6	23
74	Planarization of Polymeric Field-Effect Transistors: Improvement of Nanomorphology and Enhancement of Electrical Performance. <i>Advanced Functional Materials</i> , 2010 , 20, 2216-2221	15.6	23
73	Enthalpy of fusion of poly(3-hexylthiophene) by differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 1469-1475	2.6	22
72	Dependence of field-effect mobility and contact resistance on nanostructure in regioregular poly(3-hexylthiophene) thin film transistors. <i>Applied Physics Letters</i> , 2008 , 92, 263303	3.4	22
71	Mesoporous nitrogen-doped carbons from PAN-based molecular bottlebrushes. <i>Polymer</i> , 2017 , 126, 352-359	3.9	21
70	Effects of Delocalized Charge Carriers in Organic Solar Cells: Predicting Nanoscale Device Performance from Morphology. <i>Advanced Functional Materials</i> , 2015 , 25, 1996-2003	15.6	21
69	Benzo[1,2-b:4,5-b']difuran and furan substituted diketopyrrolopyrrole alternating copolymer for organic photovoltaics with high fill factor. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15591-15600	13	21
68	A Novel Route for the Preparation of Discrete Nanostructured Carbons from Block Copolymers with Polystyrene Segments. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 2312-2320	2.6	21

67	Interchain Packing in Bisphenol A Polycarbonate. <i>Macromolecules</i> , 1995 , 28, 2476-2482	5.5	21
66	Photostable Helical Polyfurans. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8858-8867	16.4	20
65	Photoactivated Structurally Tailored and Engineered Macromolecular (STEM) gels as precursors for materials with spatially differentiated mechanical properties. <i>Polymer</i> , 2017 , 126, 224-230	3.9	20
64	Characterization of two forms of cadmium phosphide by magic-angle spinning 31P NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 1996 , 6, 39-46	3.1	20
63	Individual Nanoporous Carbon Spheres with High Nitrogen Content from Polyacrylonitrile Nanoparticles with Sacrificial Protective Layers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37804-37812	9.5	18
62	Well-Defined N/S Co-Doped Nanocarbons from Sulfurized PAN-b-PBA Block Copolymers: Structure and Supercapacitor Performance. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2467-2474	5.6	18
61	STEM Gels by Controlled Radical Polymerization. <i>Trends in Chemistry</i> , 2020 , 2, 341-353	14.8	18
60	Organosilica with Grafted Polyacrylonitrile Brushes for High Surface Area Nitrogen-Enriched Nanoporous Carbons. <i>Chemistry of Materials</i> , 2018 , 30, 2208-2212	9.6	18
59	Templated Synthesis of Nitrogen-Enriched Nanoporous Carbon Materials from Porogenic Organic Precursors Prepared by ATRP. <i>Angewandte Chemie</i> , 2014 , 126, 4038-4041	3.6	18
58	Monte Carlo Simulations of Charge Transport in 2D Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 36-42	6.4	18
57	Methacryloyl and/or Hydroxyl End-Functional Star Polymers Synthesized by ATRP Using the Arm-First Method. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 421-430	2.6	18
56	Well-Defined Carbon Nanoparticles Prepared from Water-Soluble Shell Cross-linked Micelles that Contain Polyacrylonitrile Cores. <i>Angewandte Chemie</i> , 2004 , 116, 2843-2847	3.6	18
55	Self-assembly of pODMA-b-ptBA-b-pODMA triblock copolymers in bulk and on surfaces. A quantitative SAXS/AFM comparison. <i>Langmuir</i> , 2005 , 21, 9721-7	4	17
54	High-throughput Synthesis and Screening of Iridium(III) Photocatalysts for the Fast and Chemoselective Dehalogenation of Aryl Bromides. <i>ACS Catalysis</i> , 2020 , 10, 6977-6987	13.1	16
53	A facile route to well-dispersed Ru nanoparticles embedded in self-templated mesoporous carbons for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20208-20222	13	14
52	Monitoring surface thermal transitions of ABA triblock copolymers with crystalline segments using phase contrast tapping mode atomic force microscopy. <i>Langmuir</i> , 2005 , 21, 1143-8	4	14
51	The role of the liquid interface agent in mechanical properties improvement of modified chalk filled polyolefins. <i>Colloid and Polymer Science</i> , 1982 , 260, 652-662	2.4	14
50	Modeling the formation of layered, amphiphilic gels. <i>Polymer</i> , 2017 , 111, 214-221	3.9	13

49	Systematic Investigation of Benzodithiophene-Benzothiadiazole Isomers for Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33025-33033	9.5	13
48	The origin of the double peak at 260 K in calorimetric measurements on solid C60. <i>Chemical Physics Letters</i> , 1995 , 239, 387-392	2.5	13
47	Miktoarm star copolymers as interfacial connectors for stackable amphiphilic gels. <i>Polymer</i> , 2016 , 101, 406-414	3.9	13
46	Non-Tacky Fluorinated and Elastomeric STEM Networks. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800876	4.8	12
45	Synthesis and characterization of C60{CCL4}10. <i>Solid State Communications</i> , 1995 , 96, 597-600	1.6	12
44	Crystallization of linear polyethylene from melt in isothermal compression. <i>Journal of Applied Polymer Science</i> , 1992 , 44, 95-105	2.9	12
43	Impact of Precise Control over Microstructure in ThiopheneBelenophene Copolymers. <i>Macromolecules</i> , 2018 , 51, 9494-9501	5.5	12
42	Modeling the nanoscratching of self-healing materials. <i>Journal of Chemical Physics</i> , 2011 , 134, 084901	3.9	10
41	High orientation of toughened chalk-filled isotactic polypropylene: Preparation and properties. <i>Polymer Engineering and Science</i> , 1992 , 32, 1217-1227	2.3	10
40	Preparation of Nitrogen-Doped Mesoporous Carbon for the Efficient Removal of Bilirubin in Hemoperfusion.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1036-1043	4.1	10
39	Osteoconductive Enhancement of Polyether Ether Ketone: A Mild Covalent Surface Modification Approach.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1047-1055	4.1	10
38	Kinetics of the temperature-induced volume phase transition in poly(2-(2-methoxyethoxy)ethyl methacrylate) hydrogels of various topologies. <i>Polymer</i> , 2017 , 110, 25-35	3.9	9
37	Evolution of high-temperature molecular relaxations in poly(2-(2-methoxyethoxy)ethyl methacrylate) upon network formation. <i>Colloid and Polymer Science</i> , 2015 , 293, 1357-1367	2.4	9
36	Combining ATRP and FRP Gels: Soft Gluing of Polymeric Materials for the Fabrication of Stackable Gels. <i>Polymers</i> , 2017 , 9,	4.5	9
35	Polymer micelles from tadpole-shaped amphiphilic block-graft copolymers prepared by Grafting-through ATRP. <i>Polymer Science - Series A</i> , 2009 , 51, 1210-1217	1.2	9
34	Exploring the Effects of Bulky Cations Tethered to Semicrystalline Polymers: The Case of Tetraaminophosphoniums with Ring-Opened Polynorbornenes. <i>Macromolecules</i> , 2020 , 53, 8509-8518	5.5	9
33	Cu-Catalyzed Atom Transfer Radical Polymerization in the Presence of Liquid Metal Micro/Nanodroplets. <i>Macromolecules</i> , 2021 , 54, 1631-1638	5.5	9
32	Thermocurable hyperbranched polystyrenes for ultrathin polymer dielectrics. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2475-80	9.5	8

31	Controlling Polymer Chain Topology and Architecture by ATRP from Flat Surfaces. <i>ACS Symposium Series</i> , 2005 , 28-42	0.4	8
30	Atom transfer versus catalyst transfer: Deviations from ideal Poisson behavior in controlled polymerizations. <i>Polymer</i> , 2015 , 72, 226-237	3.9	7
29	Investigation of electrical properties of nanostructured carbon films derived from block copolymers. <i>Synthetic Metals</i> , 2009 , 159, 177-181	3.6	7
28	Study of surface cleaning methods and pyrolysis temperatures on nanostructured carbon films using x-ray photoelectron spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012 , 30, 061407	2.9	7
27	Synthesis and Characterization of Organic/Inorganic Hybrid Nanoparticles: Kinetics of Surface-Initiated Atom Transfer Radical Polymerization and Morphology of Hybrid Nanoparticle Ultrathin Films. Volume 36, Number 14, July 15, 2003, pp 5094-5104.. <i>Macromolecules</i> , 2003 , 36, 6952-6952	5.5	7
26	Advances in Nanostructured Carbons from Block Copolymers Prepared by Controlled Radical Polymerization Techniques. <i>ACS Symposium Series</i> , 2006 , 295-310	0.4	6
25	Polymer Brushes by Atom Transfer Radical Polymerization 2005 , 51-68		5
24	Phase structure and viscoelastic properties. <i>Journal of Thermal Analysis</i> , 1996 , 46, 1061-1079		5
23	Copolymer-Derived N/B Co-Doped Nanocarbons with Controlled Porosity and Highly Active Surface. <i>Journal of Polymer Science</i> , 2020 , 58, 225-232	2.4	4
22	Tapping, pulling, probing: atomic force microscopy in drug discovery. <i>Drug Discovery Today: Technologies</i> , 2004 , 1, 163-9	7.1	4
21	Polyene-Free Photoluminescent Polymers via Hydrothermal Hydrolysis of Polyacrylonitrile in Neutral Water. <i>ACS Macro Letters</i> , 2020 , 9, 1403-1408	6.6	4
20	Multiblock Copolymer Anion-Exchange Membranes Derived from Vinyl Addition Polynorbornenes. <i>ACS Applied Energy Materials</i> , 2021 , 4, 10273-10279	6.1	4
19	Synthesis, Assembly, and Functionalization of Polymer-Coated Ferromagnetic Nanoparticles. <i>ACS Symposium Series</i> , 2008 , 272-285	0.4	3
18	Regioregular polythiophene nanowires and sensors 2005 ,		3
17	Assemblies of Polyacrylonitrile-Derived Photoactive Polymers as Blue and Green Light Photo-Cocatalysts for Cu-Catalyzed ATRP in Water and Organic Solvents. <i>Frontiers in Chemistry</i> , 2021 , 9, 734076	5	3
16	Nanostructured Carbons from Block Copolymers257-274		3
15	Design, synthesis, and properties of a six-membered oligofuran macrocycle. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 1775-1782	5.2	2
14	ATRP: A Versatile Tool toward Uniformly Crosslinked Hydrogels with Controlled Architecture and Multifunctionality16		

13	Beware the nanovoids. <i>Nature Materials</i> , 2019 , 18, 1154-1155	27	1
12	Common Carbons as Water-Reducing Catalysts in Photo-Driven Hydrogen Evolution with Nitrogen-Dependent Activity. <i>ChemNanoMat</i> , 2018 , 4, 1039-1042	3.5	1
11	Cooperative, Reversible Self-Assembly of Covalently Pre-Linked Proteins into Giant Fibrous Structures. <i>Angewandte Chemie</i> , 2014 , 126, 8188-8193	3.6	1
10	Synthesis, mobility, and conductivity of well-defined regioregular poly(3-hexylthiophene) and diblock copolymers of regioregular poly(3-hexylthiophene) 2006 , 6336, 159		1
9	Volatile organic compound discrimination using nanostructured polythiophene sensors		1
8	Atomic Force Microscopy 2006 , 315-334		1
7	Fe-Doped Copolymer-Templated Nitrogen-Rich Carbon as a PGM-Free Fuel Cell Catalyst. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9653-9663	6.1	1
6	Understanding the origin of softness in structurally tailored and engineered macromolecular (STEM) gels: A DPD study. <i>Polymer</i> , 2020 , 208, 122909	3.9	0
5	Macromol. Chem. Phys. 21/2007. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 2380-2380	2.6	
4	Porous Silicon Luminescence Study by Imaging Methods: Relationship to Pore Dimensions. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 332, 201		
3	Atomic Force Microscopy Studies of Ultra-Thin Films of Cadmium Phosphide Nanoclusters on Mica 1994 , 271-279		
2	Block Copolymer Templating as a Path to Porous Nanostructured Carbons with Highly Accessible Nitrogens for Enhanced (Electro)chemical Performance 2016 , 1-19		
1	Nanocarbons from Synthetic Polymer Precursors and Their Catalytic Properties 2018 , 133-166		