Tomasz Kowalewski

List of Publications by Year in Descending Order

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	Design, synthesis, and properties of a six-membered oligofuran macrocycle. *Organic Chemistry Frontiers*, **2021**, 8, 1775-1782	5.2	2
191	Cu-Catalyzed Atom Transfer Radical Polymerization in the Presence of Liquid Metal Micro/Nanodroplets. *Macromolecules*, **2021**, 54, 1631-1638	5.5	9
190	Assemblies of Polyacrylonitrile-Derived Photoactive Polymers as Blue and Green Light Photo-Cocatalysts for Cu-Catalyzed ATRP in Water and Organic Solvents. *Frontiers in Chemistry*, **2021**, 9, 734076	5	3
189	Multiblock Copolymer Anion-Exchange Membranes Derived from Vinyl Addition Polynorbornenes. *ACS Applied Energy Materials*, **2021**, 4, 10273-10279	6.1	4
188	Fe-Doped Copolymer-Templated Nitrogen-Rich Carbon as a PGM-Free Fuel Cell Catalyst. *ACS Applied Energy Materials*, **2021**, 4, 9653-9663	6.1	1
187	Understanding the origin of softness in structurally tailored and engineered macromolecular (STEM) gels: A DPD study. *Polymer*, **2020**, 208, 122909	3.9	0
186	High-throughput Synthesis and Screening of Iridium(III) Photocatalysts for the Fast and Chemoselective Dehalogenation of Aryl Bromides. *ACS Catalysis*, **2020**, 10, 6977-6987	13.1	16
185	STEM Gels by Controlled Radical Polymerization. *Trends in Chemistry*, **2020**, 2, 341-353	14.8	18
184	Copolymer-Derived N/B Co-Doped Nanocarbons with Controlled Porosity and Highly Active Surface. *Journal of Polymer Science*, **2020**, 58, 225-232	2.4	4
183	Preparation of Nitrogen-Doped Mesoporous Carbon for the Efficient Removal of Bilirubin in Hemoperfusion.. *ACS Applied Bio Materials*, **2020**, 3, 1036-1043	4.1	10
182	Exploring the Effects of Bulky Cations Tethered to Semicrystalline Polymers: The Case of Tetraaminophosphoniums with Ring-Opened Polynorbornenes. *Macromolecules*, **2020**, 53, 8509-8518	5.5	9
181	Polyene-Free Photoluminescent Polymers via Hydrothermal Hydrolysis of Polyacrylonitrile in Neutral Water. *ACS Macro Letters*, **2020**, 9, 1403-1408	6.6	4
180	Beware the nanovoids. *Nature Materials*, **2019**, 18, 1154-1155	27	1
179	Photostable Helical Polyfurans. *Journal of the American Chemical Society*, **2019**, 141, 8858-8867	16.4	20
178	Transformation of gels via catalyst-free selective RAFT photoactivation. *Polymer Chemistry*, **2019**, 10, 2477-2483	4.9	40
177	Well-Defined N/S Co-Doped Nanocarbons from Sulfurized PAN-b-PBA Block Copolymers: Structure and Supercapacitor Performance. *ACS Applied Nano Materials*, **2019**, 2, 2467-2474	5.6	18
176	Polyacrylonitrile-derived nanostructured carbon materials. *Progress in Polymer Science*, **2019**, 92, 89-134	29.6	50

175	Non-Tacky Fluorinated and Elastomeric STEM Networks. *Macromolecular Rapid Communications*, **2019**, 40, e1800876	4.8	12
174	A facile route to well-dispersed Ru nanoparticles embedded in self-templated mesoporous carbons for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 20208-20222	13	14
173	Soft-Templated Tellurium-Doped Mesoporous Carbon as a Pt-Free Electrocatalyst for High-Performance Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 2093-2102	9.5	27
172	Polymer-Based Synthetic Routes to Carbon-Based Metal-Free Catalysts. *Advanced Materials*, **2019**, 31, e1804626	24	26
171	Tuning the molecular weight distribution from atom transfer radical polymerization using deep reinforcement learning. *Molecular Systems Design and Engineering*, **2018**, 3, 496-508	4.6	25
170	Organosilica with Grafted Polyacrylonitrile Brushes for High Surface Area Nitrogen-Enriched Nanoporous Carbons. *Chemistry of Materials*, **2018**, 30, 2208-2212	9.6	18
169	Copolymer-Templated Synthesis of Nitrogen-Doped Mesoporous Carbons for Enhanced Adsorption of Hexavalent Chromium and Uranium. *ACS Applied Nano Materials*, **2018**, 1, 2536-2543	5.6	26
168	Transformable Materials: Structurally Tailored and Engineered Macromolecular (STEM) Gels by Controlled Radical Polymerization. *Macromolecules*, **2018**, 51, 3808-3817	5.5	39
167	Common Carbons as Water-Reducing Catalysts in Photo-Driven Hydrogen Evolution with Nitrogen-Dependent Activity. *ChemNanoMat*, **2018**, 4, 1039-1042	3.5	1
166	Impact of Precise Control over Microstructure in Thiophene–Selenophene Copolymers. *Macromolecules*, **2018**, 51, 9494-9501	5.5	12
165	Structurally Tailored and Engineered Macromolecular (STEM) Gels as Soft Elastomers and Hard/Soft Interfaces. *Macromolecules*, **2018**, 51, 9184-9191	5.5	24
164	Catalyst-Free Selective Photoactivation of RAFT Polymerization: A Facile Route for Preparation of Comblike and Bottlebrush Polymers. *Macromolecules*, **2018**, 51, 7776-7784	5.5	43
163	Nanocarbons from Synthetic Polymer Precursors and Their Catalytic Properties **2018**, 133-166		
162	Osteoconductive Enhancement of Polyether Ether Ketone: A Mild Covalent Surface Modification Approach.. *ACS Applied Bio Materials*, **2018**, 1, 1047-1055	4.1	10
161	Modeling the formation of layered, amphiphilic gels. *Polymer*, **2017**, 111, 214-221	3.9	13
160	Mesoporous nitrogen-doped carbons from PAN-based molecular bottlebrushes. *Polymer*, **2017**, 126, 352-359	3.9	21
159	Polyacrylonitrile-b-poly(butyl acrylate) Block Copolymers as Precursors to Mesoporous Nitrogen-Doped Carbons: Synthesis and Nanostructure. *Macromolecules*, **2017**, 50, 2759-2767	5.5	43
158	Kinetics of the temperature-induced volume phase transition in poly(2-(2-methoxyethoxy)ethyl methacrylate) hydrogels of various topologies. *Polymer*, **2017**, 110, 25-35	3.9	9

157	Individual Nanoporous Carbon Spheres with High Nitrogen Content from Polyacrylonitrile Nanoparticles with Sacrificial Protective Layers. *ACS Applied Materials & Interfaces*, **2017**, 9, 37804-37812	9.5	18
156	Photoactivated Structurally Tailored and Engineered Macromolecular (STEM) gels as precursors for materials with spatially differentiated mechanical properties. *Polymer*, **2017**, 126, 224-230	3.9	20
155	Facile Aqueous Route to Nitrogen-Doped Mesoporous Carbons. *Journal of the American Chemical Society*, **2017**, 139, 12931-12934	16.4	73
154	Benzo[1,2-b:4,5-b?]difuran and furan substituted diketopyrrolopyrrole alternating copolymer for organic photovoltaics with high fill factor. *Journal of Materials Chemistry A*, **2017**, 5, 15591-15600	13	21
153	Combining ATRP and FRP Gels: Soft Gluing of Polymeric Materials for the Fabrication of Stackable Gels. *Polymers*, **2017**, 9,	4.5	9
152	In-Situ Platinum Deposition on Nitrogen-Doped Carbon Films as a Source of Catalytic Activity in a Hydrogen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2016**, 8, 21531-8	9.5	45
151	Controlled Preparation of Well-Defined Mesoporous Carbon/Polymer Hybrids via Surface-Initiated ICAR ATRP with a High Dilution Strategy Assisted by Facile Polydopamine Chemistry. *Macromolecules*, **2016**, 49, 8943-8950	5.5	23
150	Systematic Investigation of Benzodithiophene-Benzothiadiazole Isomers for Organic Photovoltaics. *ACS Applied Materials & Interfaces*, **2016**, 8, 33025-33033	9.5	13
149	Synthesis of Polyfuran and Thiophene-Furan Alternating Copolymers Using Catalyst-Transfer Polycondensation. *ACS Macro Letters*, **2016**, 5, 332-336	6.6	33
148	Block Copolymer Templating as a Path to Porous Nanostructured Carbons with Highly Accessible Nitrogens for Enhanced (Electro)chemical Performance **2016**, 1-19		
147	Conjugated Polymers with Repeated Sequences of Group 16 Heterocycles Synthesized through Catalyst-Transfer Polycondensation. *Journal of the American Chemical Society*, **2016**, 138, 6798-804	16.4	62
146	Miktoarm star copolymers as interfacial connectors for stackable amphiphilic gels. *Polymer*, **2016**, 101, 406-414	3.9	13
145	Atom transfer versus catalyst transfer: Deviations from ideal Poisson behavior in controlled polymerizations. *Polymer*, **2015**, 72, 226-237	3.9	7
144	Evolution of high-temperature molecular relaxations in poly(2-(2-methoxyethoxy)ethyl methacrylate) upon network formation. *Colloid and Polymer Science*, **2015**, 293, 1357-1367	2.4	9
143	Effects of Delocalized Charge Carriers in Organic Solar Cells: Predicting Nanoscale Device Performance from Morphology. *Advanced Functional Materials*, **2015**, 25, 1996-2003	15.6	21
142	Ductility, toughness and strain recovery in self-healing dual cross-linked nanoparticle networks studied by computer simulations. *Progress in Polymer Science*, **2015**, 40, 121-137	29.6	28
141	Stille Catalyst-Transfer Polycondensation Using Pd-PEPPSI-IPr for High-Molecular-Weight Regioregular Poly(3-hexylthiophene). *Macromolecular Rapid Communications*, **2015**, 36, 840-4	4.8	48
140	Copolymer-templated nitrogen-enriched nanocarbons as a low charge-transfer resistance and highly stable alternative to platinum cathodes in dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 4413-4419	13	36

139	Modeling polymer grafted nanoparticle networks reinforced by high-strength chains. *Soft Matter*, **2014**, 10, 1374-83	3.6	23
138	Templated synthesis of nitrogen-enriched nanoporous carbon materials from porogenic organic precursors prepared by ATRP. *Angewandte Chemie - International Edition*, **2014**, 53, 3957-60	16.4	87
137	Cooperative, Reversible Self-Assembly of Covalently Pre-Linked Proteins into Giant Fibrous Structures. *Angewandte Chemie*, **2014**, 126, 8188-8193	3.6	1
136	Block copolymer-templated nitrogen-enriched nanocarbons with morphology-dependent electrocatalytic activity for oxygen reduction. *Chemical Science*, **2014**, 5, 3315	9.4	37
135	Enthalpy of fusion of poly(3-hexylthiophene) by differential scanning calorimetry. *Journal of Polymer Science, Part B: Polymer Physics*, **2014**, 52, 1469-1475	2.6	22
134	Templated Synthesis of Nitrogen-Enriched Nanoporous Carbon Materials from Porogenic Organic Precursors Prepared by ATRP. *Angewandte Chemie*, **2014**, 126, 4038-4041	3.6	18
133	Cooperative, reversible self-assembly of covalently pre-linked proteins into giant fibrous structures. *Angewandte Chemie - International Edition*, **2014**, 53, 8050-5	16.4	29
132	Preparation of porous nanocarbons with tunable morphology and pore size from copolymer templated precursors. *Materials Horizons*, **2014**, 1, 121-124	14.4	27
131	Strain recovery and self-healing in dual cross-linked nanoparticle networks. *Polymer Chemistry*, **2013**, 4, 4927	4.9	30
130	Modeling the response of dual cross-linked nanoparticle networks to mechanical deformation. *Soft Matter*, **2013**, 9, 109-121	3.6	44
129	Monte Carlo Simulations of Charge Transport in 2D Organic Photovoltaics. *Journal of Physical Chemistry Letters*, **2013**, 4, 36-42	6.4	18
128	Self Encapsulated Poly(3-hexylthiophene)-poly(fluorinated alkyl methacrylate) Rod-Coil Block Copolymers with High Field Effect Mobilities on Bare SiO2. *Advanced Functional Materials*, **2012**, 22, 1024-1032	15.6	37
127	Copolymer-templated nitrogen-enriched porous nanocarbons for CO2 capture. *Chemical Communications*, **2012**, 48, 11516-8	5.8	98
126	Self-Healing Polymer Films Based on Thiol–Disulfide Exchange Reactions and Self-Healing Kinetics Measured Using Atomic Force Microscopy. *Macromolecules*, **2012**, 45, 142-149	5.5	360
125	Electrochemically active nitrogen-enriched nanocarbons with well-defined morphology synthesized by pyrolysis of self-assembled block copolymer. *Journal of the American Chemical Society*, **2012**, 134, 14846-57	16.4	327
124	Preparation of polymeric nanoscale networks from cylindrical molecular bottlebrushes. *ACS Nano*, **2012**, 6, 6208-14	16.7	80
123	Block Copolymer Templating as a Path to Porous Nanostructured Carbons with Highly Accessible Nitrogens for Enhanced (Electro)chemical Performance. *Macromolecular Chemistry and Physics*, **2012**, 213, 1078-1090	2.6	66
122	Study of surface cleaning methods and pyrolysis temperatures on nanostructured carbon films using x-ray photoelectron spectroscopy. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2012**, 30, 061407	2.9	7

121	Novel Nanoporous Carbons from Well-Defined Poly(styrene-co-acrylonitrile)-Grafted Silica Nanoparticles. *Chemistry of Materials*, **2011**, 23, 2024-2026	9.6	44
120	Nanoporous Polystyrene and Carbon Materials with Core–Shell Nanosphere-Interconnected Network Structure. *Macromolecules*, **2011**, 44, 5846-5849	5.5	75
119	Thermoresponsive hydrogel scaffolds with tailored hydrophilic pores. *Chemistry - an Asian Journal*, **2011**, 6, 128-36	4.5	31
118	The modulating effect of mechanical changes in lipid bilayers caused by apoE-containing lipoproteins on A-induced membrane disruption. *ACS Chemical Neuroscience*, **2011**, 2, 588-599	5.7	24
117	Comparison of Thermoresponsive Deswelling Kinetics of Poly(oligo(ethylene oxide) methacrylate)-Based Thermoresponsive Hydrogels Prepared by Graft-from ATRP. *Macromolecules* , **2011**, 44, 2261-2268	5.5	57
116	Effect of self-assembled monolayers on charge injection and transport in poly(3-hexylthiophene)-based field-effect transistors at different channel length scales. *ACS Applied Materials & Interfaces*, **2011**, 3, 2973-8	9.5	31
115	Robust control of microdomain orientation in thin films of block copolymers by zone casting. *Journal of the American Chemical Society*, **2011**, 133, 11802-9	16.4	68
114	Modeling the nanoscratching of self-healing materials. *Journal of Chemical Physics*, **2011**, 134, 084901	3.9	10
113	Synthesis, Characterization, and Properties of Starlike Poly(n-butyl acrylate)-b-poly(methyl methacrylate) Block Copolymers. *Macromolecules*, **2010**, 43, 1227-1235	5.5	65
112	Highly Stable Semiconducting Polymers Based on Thiazolothiazole. *Chemistry of Materials*, **2010**, 22, 4191-4196	9.6	104
111	Thermocurable hyperbranched polystyrenes for ultrathin polymer dielectrics. *ACS Applied Materials & Interfaces*, **2010**, 2, 2475-80	9.5	8
110	Comparison of the Thermoresponsive Deswelling Kinetics of Poly(2-(2-methoxyethoxy)ethyl methacrylate) Hydrogels Prepared by ATRP and FRP. *Macromolecules*, **2010**, 43, 4791-4797	5.5	75
109	Ferrocene functional polymer brushes on indium tin oxide via surface-initiated atom transfer radical polymerization. *Langmuir*, **2010**, 26, 2083-92	4	64
108	Well-defined, high molecular weight poly(3-alkylthiophene)s in thin-film transistors: side chain invariance in field-effect mobility. *Journal of Materials Chemistry*, **2010**, 20, 3195		45
107	Planarization of Polymeric Field-Effect Transistors: Improvement of Nanomorphology and Enhancement of Electrical Performance. *Advanced Functional Materials*, **2010**, 20, 2216-2221	15.6	23
106	Transistor paint: high mobilities in small bandgap polymer semiconductor based on the strong acceptor, diketopyrrolopyrrole and strong donor, dithienopyrrole. *Advanced Materials*, **2010**, 22, 4617-21	24	142
105	Star-like poly (n-butyl acrylate)-b-poly (-methylene--butyrolactone) block copolymers for high temperature thermoplastic elastomers applications. *Polymer*, **2010**, 51, 4806-4813	3.9	54
104	Transistor Paint: Environmentally Stable N-alkyldithienopyrrole and Bithiazole-Based Copolymer Thin-Film Transistors Show Reproducible High Mobilities without Annealing. *Advanced Functional Materials*, **2009**, 19, 3427-3434	15.6	79

103	Methacryloyl and/or Hydroxyl End-Functional Star Polymers Synthesized by ATRP Using the Arm-First Method. *Macromolecular Chemistry and Physics*, **2009**, 210, 421-430	2.6	18
102	Regioregular Poly(3-hexylthiophene) in a Novel Conducting Amphiphilic Block Copolymer. *Macromolecular Rapid Communications*, **2009**, 30, 11-6	4.8	76
101	Dry Spinning Based Spinneret Based Tunable Engineered Parameters (STEP) Technique for Controlled and Aligned Deposition of Polymeric Nanofibers. *Macromolecular Rapid Communications* , **2009**, 30, 1406-12	4.8	64
100	Polymer micelles from tadpole-shaped amphiphilic block-graft copolymers prepared by "grafting-through" ATRP. *Polymer Science - Series A*, **2009**, 51, 1210-1217	1.2	9
99	One-Pot Synthesis of Hairy Nanoparticles by Emulsion ATRP. *Macromolecules*, **2009**, 42, 1597-1603	5.5	94
98	Investigation of electrical properties of nanostructured carbon films derived from block copolymers. *Synthetic Metals*, **2009**, 159, 177-181	3.6	7
97	Dangling chain elastomers as repeatable fibrillar adhesives. *ACS Applied Materials & Interfaces*, **2009**, 1, 2277-87	9.5	32
96	High-lamellar ordering and amorphous-like pi-network in short-chain thiazolothiazole-thiophene copolymers lead to high mobilities. *Journal of the American Chemical Society*, **2009**, 131, 2521-9	16.4	248
95	Highly disordered polymer field effect transistors: N-alkyl dithieno[3,2-b:2',3'-d]pyrrole-based copolymers with surprisingly high charge carrier mobilities. *Journal of the American Chemical Society*, **2008**, 130, 13167-76	16.4	224
94	Nonleaching antibacterial glass surfaces via "Grafting Onto": the effect of the number of quaternary ammonium groups on biocidal activity. *Langmuir*, **2008**, 24, 6785-95	4	186
93	Grafting Monodisperse Polymer Chains from Concave Surfaces of Ordered Mesoporous Silicas. *Macromolecules*, **2008**, 41, 8584-8591	5.5	121
92	Synthesis, Assembly, and Functionalization of Polymer-Coated Ferromagnetic Nanoparticles. *ACS Symposium Series*, **2008**, 272-285	0.4	3
91	Dependence of field-effect mobility and contact resistance on nanostructure in regioregular poly(3-hexylthiophene) thin film transistors. *Applied Physics Letters*, **2008**, 92, 263303	3.4	22
90	Nanoporous Carbon Films from "Hairy" Polyacrylonitrile-Grafted Colloidal Silica Nanoparticles. *Advanced Materials*, **2008**, 20, 1516-1522	24	73
89	Synthesis and Morphology of Molecular Brushes with Polyacrylonitrile Block Copolymer Side Chains and Their Conversion into Nanostructured Carbons. *Macromolecules*, **2007**, 40, 6199-6205	5.5	73
88	Magnetic assembly and pyrolysis of functional ferromagnetic colloids into one-dimensional carbon nanostructures. *Journal of the American Chemical Society*, **2007**, 129, 8694-5	16.4	67
87	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. *Langmuir*, **2007**, 23, 241-9	4	42
86	Conducting Regioregular Polythiophene Block Copolymer Nanofibrils Synthesized by Reversible Addition Fragmentation Chain Transfer Polymerization (RAFT) and Nitroxide Mediated Polymerization (NMP). *Macromolecules*, **2007**, 40, 4733-4735	5.5	203

85	Light-induced reversible formation of polymeric micelles. *Angewandte Chemie - International Edition* , **2007**, 46, 2453-7	16.4	348
84	Novel Thiophene-Thiazolothiazole Copolymers for Organic Field-Effect Transistors. *Advanced Materials*, **2007**, 19, 4160-4165	24	266
83	A Novel Route for the Preparation of Discrete Nanostructured Carbons from Block Copolymers with Polystyrene Segments. *Macromolecular Chemistry and Physics*, **2007**, 208, 2312-2320	2.6	21
82	Macromol. Chem. Phys. 21/2007. *Macromolecular Chemistry and Physics*, **2007**, 208, 2380-2380	2.6	
81	Conducting Block Copolymers of Regioregular Poly(3-hexylthiophene) and Poly(methacrylates): Electronic Materials with Variable Conductivities and Degrees of Interfibrillar Order. *Macromolecular Rapid Communications*, **2007**, 28, 1816-1824	4.8	91
80	Partially graphitic, high-surface-area mesoporous carbons from polyacrylonitrile templated by ordered and disordered mesoporous silicas. *Microporous and Mesoporous Materials*, **2007**, 102, 178-187	5.3	80
79	Solvent induced morphologies of poly(methyl methacrylate-b-ethylene oxide-b-methyl methacrylate) triblock copolymers synthesized by atom transfer radical polymerization. *Polymer*, **2007**, 48, 7279-7290	3.9	24
78	"Hairy" single-walled carbon nanotubes prepared by atom transfer radical polymerization. *Small*, **2007**, 3, 1803-10	11	56
77	Inkjet printed chemical sensor array based on polythiophene conductive polymers. *Sensors and Actuators B: Chemical*, **2007**, 123, 651-660	8.5	148
76	Templating Conducting Polymers via Self-Assembly of Block Copolymers and Supramolecular Recognition. *Macromolecules*, **2007**, 40, 7745-7747	5.5	38
75	Synthesis and Characterization of Styrene/Butyl Acrylate Linear and Star Block Copolymers via Atom Transfer Radical Polymerization. *Macromolecular Chemistry and Physics*, **2006**, 207, 801-811	2.6	33
74	Synthesis, mobility, and conductivity of well-defined regioregular poly(3-hexylthiophene) and diblock copolymers of regioregular poly(3-hexylthiophene) **2006**, 6336, 159		1
73	Imaging stability and average tip-sample force in tapping mode atomic force microscopy. *Journal of Applied Physics*, **2006**, 99, 064903	2.5	28
72	Scanning probe acceleration microscopy (SPAM) in fluids: mapping mechanical properties of surfaces at the nanoscale. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 4813-8	11.5	117
71	Volatile organic compound detection using nanostructured copolymers. *Nano Letters*, **2006**, 6, 1598-602	11.5	174
70	Conducting Block Copolymer Nanowires Containing Regioregular Poly(3-Hexylthiophene) and Polystyrene. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2006**, 43, 1991-2000	2.2	69
69	Nanostructure dependence of field-effect mobility in regioregular poly(3-hexylthiophene) thin film field effect transistors. *Journal of the American Chemical Society*, **2006**, 128, 3480-1	16.4	421
68	Polymer-coated ferromagnetic colloids from well-defined macromolecular surfactants and assembly into nanoparticle chains. *Journal of the American Chemical Society*, **2006**, 128, 6562-3	16.4	200

67	Well-Defined Poly(ethylene oxide)–Polyacrylonitrile Diblock Copolymers as Templates for Mesoporous Silicas and Precursors for Mesoporous Carbons. *Chemistry of Materials*, **2006**, 18, 1417-1424	9.6	54
66	Water-Dispersible Carbon Black Nanocomposites Prepared by Surface-Initiated Atom Transfer Radical Polymerization in Protic Media. *Macromolecules*, **2006**, 39, 548-556	5.5	71
65	Atomic Force Microscopy **2006**, 315-334		1
64	Advances in Nanostructured Carbons from Block Copolymers Prepared by Controlled Radical Polymerization Techniques. *ACS Symposium Series*, **2006**, 295-310	0.4	6
63	Controlling Polymer Chain Topology and Architecture by ATRP from Flat Surfaces. *ACS Symposium Series*, **2005**, 28-42	0.4	8
62	Synthesis and Direct Visualization of Block Copolymers Composed of Different Macromolecular Architectures. *Macromolecules*, **2005**, 38, 2674-2685	5.5	72
61	Long-range ordered thin films of block copolymers prepared by zone-casting and their thermal conversion into ordered nanostructured carbon. *Journal of the American Chemical Society*, **2005**, 127, 6918-9	16.4	197
60	Synthesis of mesoporous carbons using ordered and disordered mesoporous silica templates and polyacrylonitrile as carbon precursor. *Journal of Physical Chemistry B*, **2005**, 109, 9216-25	3.4	186
59	Monitoring surface thermal transitions of ABA triblock copolymers with crystalline segments using phase contrast tapping mode atomic force microscopy. *Langmuir*, **2005**, 21, 1143-8	4	14
58	Self-assembly of pODMA-b-ptBA-b-pODMA triblock copolymers in bulk and on surfaces. A quantitative SAXS/AFM comparison. *Langmuir*, **2005**, 21, 9721-7	4	17
57	Polymer Brushes by Atom Transfer Radical Polymerization **2005**, 51-68		5
56	Regioregular polythiophene nanowires and sensors **2005**,		3
55	Insights into fluid tapping-mode atomic force microscopy provided by numerical simulations. *Applied Physics Letters*, **2005**, 87, 163120	3.4	33
54	ABCA1 is required for normal central nervous system ApoE levels and for lipidation of astrocyte-secreted apoE. *Journal of Biological Chemistry*, **2004**, 279, 40987-93	5.4	304
53	Well-defined carbon nanoparticles prepared from water-soluble shell cross-linked micelles that contain polyacrylonitrile cores. *Angewandte Chemie - International Edition*, **2004**, 43, 2783-7	16.4	97
52	Well-Defined Carbon Nanoparticles Prepared from Water-Soluble Shell Cross-linked Micelles that Contain Polyacrylonitrile Cores. *Angewandte Chemie*, **2004**, 116, 2843-2847	3.6	18
51	Synthesis and Surface Attachment of ABC Triblock Copolymers Containing Glassy and Rubbery Segments. *Macromolecular Chemistry and Physics*, **2004**, 205, 411-417	2.6	26
50	In situ AFM studies of astrocyte-secreted apolipoprotein E- and J-containing lipoproteins. *Journal of Colloid and Interface Science*, **2004**, 278, 96-106	9.3	30

49	Synthesis and Characterization of New Liquid-Crystalline Block Copolymers with p-Cyanoazobenzene Moieties and Poly(n-butyl acrylate) Segments Using Atom-Transfer Radical Polymerization. *Macromolecules*, **2004**, 37, 9355-9365	5.5	57
48	Tapping, pulling, probing: atomic force microscopy in drug discovery. *Drug Discovery Today: Technologies*, **2004**, 1, 163-9	7.1	4
47	Effect of different anti-Abeta antibodies on Abeta fibrillogenesis as assessed by atomic force microscopy. *Journal of Molecular Biology*, **2004**, 335, 997-1006	6.5	88
46	Complex nanostructured materials from segmented copolymers prepared by ATRP. *European Physical Journal E*, **2003**, 10, 5-16	1.5	56
45	Synthesis of Polymer Brushes Using Atom Transfer Radical Polymerization. *Macromolecular Rapid Communications*, **2003**, 24, 1043-1059	4.8	622
44	Nanodroplets of polyisoprene fluid contained within poly(acrylic acid-co-acrylamide) shells. *Journal of Polymer Science Part A*, **2003**, 41, 1659-1668	2.5	35
43	Synthesis and Characterization of Organic/Inorganic Hybrid Nanoparticles: Kinetics of Surface-Initiated Atom Transfer Radical Polymerization and Morphology of Hybrid Nanoparticle Ultrathin Films. *Macromolecules*, **2003**, 36, 5094-5104	5.5	297
42	Grafting Poly(n-butyl acrylate) from a Functionalized Carbon Black Surface by Atom Transfer Radical Polymerization *Langmuir*, **2003**, 19, 6342-6345	4	105
41	Synthesis of Block, Statistical, and Gradient Copolymers from Octadecyl (Meth)acrylates Using Atom Transfer Radical Polymerization. *Macromolecules*, **2003**, 36, 8969-8977	5.5	128
40	Preparation of Polyacrylonitrile-block-poly(n-butyl acrylate) Copolymers Using Atom Transfer Radical Polymerization and Nitroxide Mediated Polymerization Processes. *Macromolecules*, **2003**, 36, 1465-1473	5.5	126
39	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 5094104.. *Macromolecules*, **2003**, 36, 6952-6952	5.5	7
38	RAFT Polymerization of Acrylonitrile and Preparation of Block Copolymers Using 2-Cyanoethyl Dithiobenzoate as the Transfer Agent. *Macromolecules*, **2003**, 36, 8587-8589	5.5	79
37	Thermal shaping of shell-crosslinked (SCK) nanoparticles, facilitated by nanoconfinement of fluid-like cores. *Journal of Materials Chemistry*, **2003**, 13, 2785-2795		47
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