Jeffrey Pyun

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.

134 papers	9,130 citations	47 h-index	94 g-index
137 ext. papers	10,128 ext. citations	7.9 avg, IF	6.28 L-index

#	Paper	IF	Citations
134	SmartPrint Single-Mode Flexible Polymer Optical Interconnect for High Density Integrated Photonics. *Journal of Lightwave Technology*, **2022**, 1-1	4	1
133	High Verdet Constant Materials for Magneto-Optical Faraday Rotation: A Review. *Chemistry of Materials*, **2022**, 34, 2531-2544	9.6	4
132	Elemental sulfur-molybdenum disulfide composites for high-performance cathodes for Li-S batteries: the impact of interfacial structures on electrocatalytic anchoring of polysulfides. *MRS Communications*, **2021**, 11, 261-271	2.7	1
131	Polymer-Coated Magnetic Nanoparticles as Ultrahigh Verdet Constant Materials: Correlation of Nanoparticle Size with Magnetic and Magneto-Optical Properties. *Chemistry of Materials*, **2021**, 33, 5010-5020	9.6	5
130	Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. *Angewandte Chemie*, **2021**, 133, 23082	3.6	2
129	Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. *Angewandte Chemie - International Edition*, **2021**, 60, 22900-22907	16.4	9
128	Polymerizations with Elemental Sulfur: From Petroleum Refining to Polymeric Materials.. *Journal of the American Chemical Society*, **2021**,	16.4	12
127	Increasing the rate of the hydrogen evolution reaction in neutral water with protic buffer electrolytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**,	11.5	6
126	Polymer and magnetic nanoparticle composites with tunable magneto-optical activity: role of nanoparticle dispersion for high verdet constant materials. *Journal of Materials Chemistry C*, **2020**, 8, 5417-5425	7.1	9
125	One-step vapor-phase synthesis of transparent high refractive index sulfur-containing polymers. *Science Advances*, **2020**, 6, eabb5320	14.3	30
124	Refractive Index Contrast Polymers: Photoresponsive Systems with Spatial Modulation of Refractive Index for Photonics. *ACS Macro Letters*, **2020**, 9, 416-421	6.6	11
123	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. *Journal of Polymer Science*, **2020**, 58, 35-41	2.4	
122	100th Anniversary of Macromolecular Science Viewpoint: High Refractive Index Polymers from Elemental Sulfur for Infrared Thermal Imaging and Optics. *ACS Macro Letters*, **2020**, 9, 245-259	6.6	38
121	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. *Journal of Polymer Science*, **2020**, 58, 35-41	2.4	5
120	Dynamic Covalent Polymerization of Chalcogenide Hybrid Inorganic/Organic Polymer Resins with Norbornenyl Comonomers. *Macromolecular Research*, **2020**, 28, 1003-1009	1.9	2
119	Influence of the Processing Environment on the Surface Composition and Electronic Structure of Size-Quantized CdSe Quantum Dots. *Journal of Physical Chemistry C*, **2020**, 124, 21305-21318	3.8	4
118	Synthesis of Metallopolymers via Atom Transfer Radical Polymerization from a [2Fe-2S] Metalloinitiator: Molecular Weight Effects on Electrocatalytic Hydrogen Production. *Macromolecular Rapid Communications*, **2020**, 41, e1900424	4.8	4

117	Recent advances in the polymerization of elemental sulphur, inverse vulcanization and methods to obtain functional Chalcogenide Hybrid Inorganic/Organic Polymers (CHIPs). *Polymer Chemistry*, **2019**, 10, 4078-4105	4.9	102
116	Water-soluble and air-stable [2Fe-2S]-metallopolymers: A new class of electrocatalysts for H2 production via water splitting. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2019**, 194, 701-706	1	4
115	Infrared Fingerprint Engineering: A Molecular-Design Approach to Long-Wave Infrared Transparency with Polymeric Materials. *Angewandte Chemie*, **2019**, 131, 17820-17824	3.6	8
114	Infrared Fingerprint Engineering: A Molecular-Design Approach to Long-Wave Infrared Transparency with Polymeric Materials. *Angewandte Chemie - International Edition*, **2019**, 58, 17656-17660	16.4	28
113	Rational design of sulfur-containing composites for high-performance lithium-sulfur batteries. *APL Materials*, **2019**, 7, 020904	5.7	20
112	Synthesis of a Macroporous Conjugated Polymer Framework: Iron Doping for Highly Stable, Highly Efficient Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 3087-3097	9.5	37
111	Catalytic Metallopolymers from [2Fe-2S] Clusters: Artificial Metalloenzymes for Hydrogen Production. *Angewandte Chemie - International Edition*, **2019**, 58, 7537-7550	16.4	36
110	Catalytic Metallopolymers from [2Fe-2S] Clusters: Artificial Metalloenzymes for Hydrogen Production. *Angewandte Chemie*, **2019**, 131, 7617-7630	3.6	11
109	Nucleophilic Activation of Elemental Sulfur for Inverse Vulcanization and Dynamic Covalent Polymerizations. *Journal of Polymer Science Part A*, **2019**, 57, 7-12	2.5	34
108	Functionalized chalcogenide hybrid inorganic/organic polymers (CHIPs) via inverse vulcanization of elemental sulfur and vinylanilines. *Polymer Chemistry*, **2018**, 9, 2290-2294	4.9	36
107	High Sulfur Content Organic/Inorganic Hybrid Polymeric Materials **2018**, 433-450		0
106	[FeFe]-Hydrogenase Mimetic Metallopolymers with Enhanced Catalytic Activity for Hydrogen Production in Water. *Angewandte Chemie*, **2018**, 130, 12074-12078	3.6	9
105	[FeFe]-Hydrogenase Mimetic Metallopolymers with Enhanced Catalytic Activity for Hydrogen Production in Water. *Angewandte Chemie - International Edition*, **2018**, 57, 11898-11902	16.4	35
104	Nonlinear optical properties of chalcogenide hybrid inorganic/organic polymers (CHIPs) using the Z-scan technique. *Optical Materials Express*, **2018**, 8, 2510	2.6	7
103	Macromolecular Engineering of the Outer Coordination Sphere of [2Fe-2S] Metallopolymers to Enhance Catalytic Activity for H2 Production. *ACS Macro Letters*, **2018**, 7, 1383-1387	6.6	17
102	Sulfur Polymers Meet Poly(ionic liquid)s: Bringing New Properties to Both Polymer Families. *Macromolecular Rapid Communications*, **2018**, 39, e1800529	4.8	19
101	One Dimensional Photonic Crystals Using Ultrahigh Refractive Index Chalcogenide Hybrid Inorganic/Organic Polymers. *ACS Macro Letters*, **2018**, 7, 875-880	6.6	43
100	The use of polymers in Li-S batteries: A review. *Journal of Polymer Science Part A*, **2017**, 55, 1635-1668	2.5	96

99	Facile Assembly of Aligned Magnetic Nanoparticle Chains in Polymer Nanocomposite Films by Magnetic Flow Coating. *ACS Applied Materials & Interfaces*, **2017**, 9, 11290-11298	9.5	17
98	Chalcogenide Hybrid Inorganic/Organic Polymers: Ultrahigh Refractive Index Polymers for Infrared Imaging. *ACS Macro Letters*, **2017**, 6, 500-504	6.6	83
97	Chalcogenide hybrid inorganic/organic polymers (CHIPs) via inverse vulcanization and dynamic covalent polymerizations. *Polymer Chemistry*, **2017**, 8, 5167-5173	4.9	44
96	Multimodal Characterization of the Morphology and Functional Interfaces in Composite Electrodes for Li-S Batteries by Li Ion and Electron Beams. *Langmuir*, **2017**, 33, 9361-9377	4	7
95	The Importance of Confined Sulfur Nanodomains and Adjoining Electron Conductive Pathways in Subreaction Regimes of Li-S Batteries. *Advanced Energy Materials*, **2017**, 7, 1700074	21.8	75
94	Subsurface Imaging of the Cores of Polymer-Encapsulated Cobalt Nanoparticles Using Force Modulation Microscopy. *Journal of Physical Chemistry C*, **2017**, 121, 23498-23504	3.8	1
93	Type I vs. quasi-type II modulation in CdSe@CdS tetrapods: ramifications for noble metal tipping. *CrystEngComm*, **2017**, 19, 6443-6453	3.3	11
92	M0S2-S8 Composite Cathodes for Long Cycle Life High Performance Li-S Batteries Studied by FESEM and High-Resolution AEM. *Microscopy and Microanalysis*, **2017**, 23, 1972-1973	0.5	
91	From waste to valuable plastics: Discovery of new paradigms from well-studied systems with elemental sulfur. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2017**, 192, 157-161	1	5
90	Inverse vulcanization of elemental sulfur and styrene for polymeric cathodes in Li-S batteries. *Journal of Polymer Science Part A*, **2017**, 55, 107-116	2.5	101
89	Colloidal Random Terpolymers: Controlling Reactivity Ratios of Colloidal Comonomers via Metal Tipping. *ACS Macro Letters*, **2016**, 5, 950-954	6.6	9
88	Conformal Polymeric Multilayer Coatings on Sulfur Cathodes via the Layer-by-Layer Deposition for High Capacity Retention in Li-S Batteries. *ACS Macro Letters*, **2016**, 5, 471-475	6.6	27
87	A one-pot synthesis of polysulfane-bearing block copolymer nanoparticles with tunable size and refractive index. *Chemical Communications*, **2016**, 52, 2485-8	5.8	20
86	Synthesis and Assembly of Dipolar Heterostructured Tetrapods: Colloidal Polymers with "Giant tert-butyl" Groups. *Angewandte Chemie - International Edition*, **2016**, 55, 1787-91	16.4	17
85	Modular synthesis of functional polymer nanoparticles from a versatile platform based on poly(pentafluorophenylmethacrylate). *Journal of Polymer Science Part A*, **2016**, 54, 1895-1901	2.5	5
84	Synthesis and Assembly of Dipolar Heterostructured Tetrapods: Colloidal Polymers with "Giant tert-butyl" Groups. *Angewandte Chemie*, **2016**, 128, 1819-1823	3.6	
83	Arm length dependency of Pt-decorated CdSe tetrapods on the performance of photocatalytic hydrogen generation. *Korean Journal of Chemical Engineering*, **2016**, 33, 2287-2290	2.8	4
82	Analytical Multimode Scanning and Transmission Electron Imaging and Tomography of Multiscale Structural Architectures of Sulfur Copolymer-Based Composite Cathodes for Next-Generation High-Energy Density Li-S Batteries. *Microscopy and Microanalysis*, **2016**, 22, 1198-1221	0.5	10

81	Elemental Sulfur and Molybdenum Disulfide Composites for Li-S Batteries with Long Cycle Life and High-Rate Capability. *ACS Applied Materials & Interfaces*, **2016**, 8, 13437-48	9.5	92
80	Graphene quantum dots: structural integrity and oxygen functional groups for high sulfur/sulfide utilization in lithium sulfur batteries. *NPG Asia Materials*, **2016**, 8, e272-e272	10.3	78
79	Polymerizations with elemental sulfur: A novel route to high sulfur content polymers for sustainability, energy and defense. *Progress in Polymer Science*, **2016**, 58, 90-125	29.6	224
78	High Refractive Index Copolymers with Improved Thermomechanical Properties via the Inverse Vulcanization of Sulfur and 1,3,5-Triisopropenylbenzene. *ACS Macro Letters*, **2016**, 5, 1152-1156	6.6	107
77	Recent approaches for the direct use of elemental sulfur in the synthesis and processing of advanced materials. *Angewandte Chemie - International Edition*, **2015**, 54, 3249-58	16.4	173
76	Inverse vulcanization of elemental sulfur with 1,4-diphenylbutadiyne for cathode materials in Li-S batteries. *RSC Advances*, **2015**, 5, 24718-24722	3.7	114
75	Universal Length Dependence of Rod-to-Seed Exciton Localization Efficiency in Type I and Quasi-Type II CdSe@CdS Nanorods. *ACS Nano*, **2015**, 9, 4591-9	16.7	76
74	High sulfur content polymer nanoparticles obtained from interfacial polymerization of sodium polysulfide and 1,2,3-trichloropropane in water. *Macromolecular Rapid Communications*, **2015**, 36, 1103-7	4.8	20
73	Uniform decoration of Pt nanoparticles on well-defined CdSe tetrapods and the effect of their Pt cluster size on photocatalytic H2 generation. *CrystEngComm*, **2015**, 17, 8423-8427	3.3	16
72	Band Edge Energetics of Heterostructured Nanorods: Photoemission Spectroscopy and Waveguide Spectroelectrochemistry of Au-Tipped CdSe Nanorod Monolayers. *ACS Nano*, **2015**, 9, 8786-800	16.7	20
71	Dynamic Covalent Polymers via Inverse Vulcanization of Elemental Sulfur for Healable Infrared Optical Materials. *ACS Macro Letters*, **2015**, 4, 862-866	6.6	130
70	Colloidal polymers from inorganic nanoparticle monomers. *Progress in Polymer Science*, **2015**, 40, 85-120	29.6	58
69	Structural origins of enhanced capacity retention in novel copolymerized sulfur-based composite cathodes for high-energy density Li-S batteries. *MRS Communications*, **2015**, 5, 353-364	2.7	20
68	Neue Ansätze zur direkten Verwendung elementaren Schwefels in der Synthese und Verarbeitung moderner Werkstoffe. *Angewandte Chemie*, **2015**, 127, 3298-3308	3.6	27
67	Multiscale Structural Architectures of Novel Sulfur Copolymer Composite Cathodes for High-Energy Density Li-S Batteries Studied by Analytical Multimode STEM Imaging and Tomography. *Microscopy and Microanalysis*, **2015**, 21, 143-144	0.5	1
66	Kilogram scale inverse vulcanization of elemental sulfur to prepare high capacity polymer electrodes for Li-S batteries. *Journal of Polymer Science Part A*, **2015**, 53, 173-177	2.5	100
65	Improving the Charge Conductance of Elemental Sulfur via Tandem Inverse Vulcanization and Electropolymerization. *ACS Macro Letters*, **2015**, 4, 111-114	6.6	54
64	Inverse Vulcanization of Elemental Sulfur to Prepare Polymeric Electrode Materials for Li-S Batteries.. *ACS Macro Letters*, **2014**, 3, 229-232	6.6	217

63	New infrared transmitting material via inverse vulcanization of elemental sulfur to prepare high refractive index polymers. *Advanced Materials*, **2014**, 26, 3014-8	24	215
62	One-pot synthesis of PbS NP/sulfur-oleylamine copolymer nanocomposites via the copolymerization of elemental sulfur with oleylamine. *Polymer Chemistry*, **2014**, 5, 3617	4.9	64
61	Synthesis of ferromagnetic cobalt nanoparticle tipped CdSe@CdS nanorods: critical role of Pt-activation. *CrystEngComm*, **2014**, 16, 9461-9468	3.3	12
60	Colloidal polymers from dipolar assembly of cobalt-tipped CdSe@CdS nanorods. *ACS Nano*, **2014**, 8, 3272-84	16.7	32
59	Colloidal polymers via dipolar assembly of magnetic nanoparticle monomers. *ACS Applied Materials & Interfaces*, **2014**, 6, 6022-32	9.5	41
58	Preparation of Dynamic Covalent Polymers via Inverse Vulcanization of Elemental Sulfur. *ACS Macro Letters*, **2014**, 3, 1258-1261	6.6	94
57	Optical properties of sulfur copolymers for infrared applications **2014**,		3
56	Single chain polymer nanoparticles via sequential ATRP and oxidative polymerization. *Polymer Chemistry*, **2013**, 4, 3765	4.9	38
55	Synthesis, self-assembly and reversible healing of supramolecular perfluoropolyethers. *Journal of Polymer Science Part A*, **2013**, 51, 3598-3606	2.5	27
54	The use of elemental sulfur as an alternative feedstock for polymeric materials. *Nature Chemistry*, **2013**, 5, 518-24	17.6	748
53	Polyoctadecyl methacrylate brushes via surface-initiated atom transfer radical polymerization. *Applied Organometallic Chemistry*, **2013**, 27, 378-682	3.1	3
52	Selbstorganisation und kolloidale Polymerisation von Polymer-Nanopartikel-Hybriden zu mesoskopischen Ketten. *Angewandte Chemie*, **2012**, 124, 12576-12578	3.6	4
51	Self-assembly and colloidal polymerization of polymer-nanoparticle hybrids into mesoscopic chains. *Angewandte Chemie - International Edition*, **2012**, 51, 12408-9	16.4	20
50	Controlling length and areal density of artificial cilia through the dipolar assembly of ferromagnetic nanoparticles. *Soft Matter*, **2012**, 8, 5334	3.6	19
49	Hybrids by Cluster Complex-Initiated Polymerization. *Macromolecules*, **2012**, 45, 2614-2618	5.5	8
48	Directing the deposition of ferromagnetic cobalt onto Pt-tipped CdSe@CdS nanorods: synthetic and mechanistic insights. *ACS Nano*, **2012**, 6, 8632-45	16.7	57
47	Functionalization and patterning of reactive polymer brushes based on surface reversible addition and fragmentation chain transfer polymerization. *Journal of Polymer Science Part A*, **2012**, 50, 4010-4018	2.5	39
46	Surface Intiated Atom Transfer Radical Polymerizations from Indium Tin Oxide Electrodes: Electrochemistry of Polymer Brushes. *ACS Symposium Series*, **2012**, 197-209	0.4	2

45	Colloidal Polymerization of Polymer-Coated Ferromagnetic Cobalt Nanoparticles into Pt-Co3O4 Nanowires. *Chemistry of Materials*, **2011**, 23, 1120-1129	9.6	44
44	Dipolar organization and magnetic actuation of flagella-like nanoparticle assemblies. *Journal of Materials Chemistry*, **2011**, 21, 7314		42
43	Graphenoxid als Katalysator: Kohlenstoffmaterialien in Anwendungen jenseits der Nanotechnologie. *Angewandte Chemie*, **2011**, 123, 46-48	3.6	31
42	Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials. *Angewandte Chemie*, **2011**, 123, 11611-11614	3.6	9
41	Titelbild: Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials (Angew. Chem. 48/2011). *Angewandte Chemie*, **2011**, 123, 11459-11459	3.6	1
40	Graphene oxide as catalyst: application of carbon materials beyond nanotechnology. *Angewandte Chemie - International Edition*, **2011**, 50, 46-8	16.4	336
39	Elemental sulfur as a reactive medium for gold nanoparticles and nanocomposite materials. *Angewandte Chemie - International Edition*, **2011**, 50, 11409-12	16.4	61
38	Cover Picture: Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials (Angew. Chem. Int. Ed. 48/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 11263-11263	16.4	
37	Morphological conversion of dipolar core-shell Au-Co nanoparticles into beaded Au-Co3O4 nanowires. *Journal of Materials Chemistry*, **2011**, 21, 14163		14
36	Magnetic self-assembly of gold nanoparticle chains using dipolar core-shell colloids. *Chemical Communications*, **2011**, 47, 890-2	5.8	26
35	Synthesis and colloidal polymerization of ferromagnetic Au-Co nanoparticles into Au-Co3O4 nanowires. *Journal of the American Chemical Society*, **2010**, 132, 3234-5	16.4	104
34	Photoelectrochemical processes in polymer-tethered CdSe nanocrystals. *Journal of the American Chemical Society*, **2010**, 132, 2622-32	16.4	35
33	Ferrocene functional polymer brushes on indium tin oxide via surface-initiated atom transfer radical polymerization. *Langmuir*, **2010**, 26, 2083-92	4	64
32	Mechanically reinforced silica aerogel nanocomposites via surface initiated atom transfer radical polymerizations. *Journal of Materials Chemistry*, **2010**, 20, 6863		85
31	Synthesis of ferromagnetic polymer coated nanoparticles on multi-gram scale with tunable particle size. *Journal of Materials Chemistry*, **2010**, 20, 6023		25
30	Dipolar assembly of ferromagnetic nanoparticles into magnetically driven artificial cilia. *Soft Matter* , **2010**, 6, 602-609	3.6	34
29	Polymer-stabilized phospholipid vesicles with a controllable, pH-dependent disassembly mechanism. *Langmuir*, **2009**, 25, 1908-10	4	18
28	Efficient CdSe nanocrystal diffraction gratings prepared by microcontact molding. *ACS Nano*, **2009**, 3, 3629-37	16.7	19

27	Lanthanide(III)-doped magnetite nanoparticles. *Journal of the American Chemical Society*, **2009**, 131, 6336-7	16.4	84
26	Colloidal polymerization of polymer-coated ferromagnetic nanoparticles into cobalt oxide nanowires. *ACS Nano*, **2009**, 3, 3143-57	16.7	152
25	Self-assembly of polymer-coated ferromagnetic nanoparticles into mesoscopic polymer chains. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 2267-2277	2.6	44
24	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
23	Field induced formation of mesoscopic polymer chains from functional ferromagnetic colloids. *Journal of the American Chemical Society*, **2007**, 129, 6291-7	16.4	70
22	Nanocomposite Materials from Functional Polymers and Magnetic Colloids. *Polymer Reviews*, **2007**, 47, 231-263	14	147
21	Poly(3,4-ethylenedioxythiophene)-semiconductor nanoparticle composite thin films tethered to indium tin oxide substrates via electropolymerization. *Journal of the American Chemical Society*, **2007**, 129, 11310-1	16.4	43
20	Synthesis and self-assembly of polymer-coated ferromagnetic nanoparticles. *ACS Nano*, **2007**, 1, 279-92	16.7	149
19	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
18	The dramatic effect of architecture on the self-assembly of block copolymers at interfaces. *Langmuir*, **2005**, 21, 10444-58	4	75
17	Synthesis and Direct Visualization of Block Copolymers Composed of Different Macromolecular Architectures. *Macromolecules*, **2005**, 38, 2674-2685	5.5	72
16	Synthesis and Surface Attachment of ABC Triblock Copolymers Containing Glassy and Rubbery Segments. *Macromolecular Chemistry and Physics*, **2004**, 205, 411-417	2.6	26
15	Evaluating the Effect of Termination by Chain - Chain Coupling in Living Free-Radical Polymerizations. *Australian Journal of Chemistry*, **2003**, 56, 775	1.2	20
14	Synthesis of Polymer Brushes Using Atom Transfer Radical Polymerization. *Macromolecular Rapid Communications*, **2003**, 24, 1043-1059	4.8	622
13	ABA triblock copolymers containing polyhedral oligomeric silsesquioxane pendant groups: synthesis and unique properties. *Polymer*, **2003**, 44, 2739-2750	3.9	193
12	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
11	Synthesis of Block, Statistical, and Gradient Copolymers from Octadecyl (Meth)acrylates Using Atom Transfer Radical Polymerization. *Macromolecules*, **2003**, 36, 8969-8977	5.5	128
10	Macromolecules of controlled architecture. *Journal of Materials Chemistry*, **2003**, 13, 2653-2660		32

9	Synthesis and characterization of silica-graft-polystyrene hybrid nanoparticles: Effect of constraint on the glass-transition temperature of spherical polymer brushes. *Journal of Polymer Science, Part B: Polymer Physics*, **2002**, 40, 2667-2676	2.6	138
8	Synthesis of well-defined block copolymers tethered to polysilsesquioxane nanoparticles and their nanoscale morphology on surfaces. *Journal of the American Chemical Society*, **2001**, 123, 9445-6	16.4	159
7	Synthesis of Nanocomposite Organic/Inorganic Hybrid Materials Using Controlled/Living Radical Polymerization. *Chemistry of Materials*, **2001**, 13, 3436-3448	9.6	631
6	Functionalization of polymers prepared by ATRP using radical addition reactions. *Macromolecular Rapid Communications*, **2000**, 21, 103-109	4.8	103
5	The Synthesis of Hybrid Polymers Using Atom Transfer Radical Polymerization: Homopolymers and Block Copolymers from Polyhedral Oligomeric Silsesquioxane Monomers. *Macromolecules*, **2000**, 33, 217-220	5.5	194
4	Synthesis and Characterization of Star Polymers with Varying Arm Number, Length, and Composition from Organic and Hybrid Inorganic/Organic Multifunctional Initiators. *Macromolecules*, **1999**, 32, 6526-6535	5.5	355
3	Preparation of hyperbranched polyacrylates by atom transfer radical polymerization, 4. The use of zero-valent copper. *Macromolecular Rapid Communications*, **1998**, 19, 665-670	4.8	105
2	Rapid Photolithographic Fabrication of High Density Optical Interconnects using Refractive Index Contrast Polymers. *Optical Materials Express*,	2.6	1
1	High Refractive Index Chalcogenide Hybrid Inorganic/Organic Polymers for Integrated Photonics. *Advanced Optical Materials*,2200176	8.1	1