

# Guangzhao Zhang

## 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.

165  
papers

5,328  
citations

43  
h-index

63  
g-index

169  
ext. papers

6,331  
ext. citations

6.2  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
165	Multifunctional Hard Yet Flexible Coatings Fabricated Using a Universal Step-by-Step Strategy.. <i>Advanced Science</i> , <b>2022</b> , e2200268	13.6	1
164	Kill-Resist-Renew Trinity: Hyperbranched Polymer with Self-Regenerating Attack and Defense for Antifouling Coatings. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13735-13743	9.5	13
163	Cation-amino acid interactions: Implications for protein destabilization. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 548, 47-52	3.4	
162	Degradable hyperbranched polymer with fouling resistance for antifouling coatings. <i>Progress in Organic Coatings</i> , <b>2021</b> , 153, 106141	4.8	4
161	Noncovalent Protection for Direct Synthesis of $\beta$ -Amino- $\beta$ -hydroxyl Poly(ethylene oxide).. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 737-743	6.6	0
160	Silicone Elastomer with Self-Generating Zwitterions for Antifouling Coatings. <i>Langmuir</i> , <b>2021</b> , 37, 8253-8260	12.6	2
159	Fouling resistant silicone coating with self-healing induced by metal coordination. <i>Chemical Engineering Journal</i> , <b>2021</b> , 406, 126870	14.7	19
158	Adaptive behaviors of planktonic <i>Pseudomonas aeruginosa</i> in response to the surface-deposited dead siblings. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 197, 111408	6	1
157	Self-healing, highly elastic and amphiphilic silicone-based polyurethane for antifouling coatings. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 1384-1394	7.3	11
156	Transparent Polymer-Ceramic Hybrid Antifouling Coating with Superior Mechanical Properties. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2011145	15.6	18
155	Tree root-inspired robust superhydrophobic coatings with high permeation for porous structures. <i>iScience</i> , <b>2021</b> , 24, 103197	6.1	1
154	Antifouling mechanism of natural product-based coatings investigated by digital holographic microscopy. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 84, 200-207	9.1	5
153	Rapid curing and self-stratifying lacquer coating with antifouling and anticorrosive properties. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 129755	14.7	14
152	UV-curable hyperbranched poly(ester-co-vinyl) by radical ring-opening copolymerization for antifouling coatings. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 4524-4531	4.9	0
151	Surface-fragmenting hyperbranched copolymers with hydrolysis-generating zwitterions for antifouling coatings. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 5434-5440	7.3	7
150	N-Heterocyclic carbene/Lewis acid-mediated ring-opening polymerization of propylene oxide. Part 2: Toward dihydroxytelechelic polyethers using triethylborane. <i>European Polymer Journal</i> , <b>2020</b> , 134, 109839	5.2	2
149	N-Heterocyclic carbene/Lewis acid-mediated ring-opening polymerization of propylene oxide. Part 1: Triisobutylaluminum as an efficient controlling agent. <i>European Polymer Journal</i> , <b>2020</b> , 134, 109819	5.2	5

148	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1803-1915	7.8	70
147	Fouling Release Coating Consisting of Hyperbranched Poly( $\epsilon$ -caprolactone)/Siloxane Elastomer. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 1429-1437	4.3	9
146	Nanodiamond Reinforced Poly(dimethylsiloxane)-Based Polyurea with Self-Healing Ability for Fouling Release Coating. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 3181-3188	4.3	11
145	Silicone-Based Fouling-Release Coatings for Marine Antifouling. <i>Langmuir</i> , <b>2020</b> , 36, 2170-2183	4	109
144	Method for 3D tracking behaviors of interplaying bacteria individuals. <i>Optics Express</i> , <b>2020</b> , 28, 28060-28071	3.1	2
143	Microscale topographic surfaces modulate three-dimensional migration of human spermatozoa. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 193, 111096	6	1
142	Biomimetic Inspired Antifouling Coating Consisting of Poly(lactic acid)-Based Polyurethane and Natural Antifoulant. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1671-1678	8.3	29
141	Non-elastic glassy coating with fouling release and resistance abilities. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 380-387	13	21
140	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 2000216	2.6	36
139	Ring-opening (co)polymerization of $\epsilon$ -butyrolactone: a review. <i>Polymer Journal</i> , <b>2020</b> , 52, 3-11	2.7	23
138	Dynamic surface antifouling: mechanism and systems. <i>Soft Matter</i> , <b>2019</b> , 15, 1087-1107	3.6	109
137	Ionic Organocatalyst with a Urea Anion and Tetra-n-butyl Ammonium Cation for Rapid, Selective, and Versatile Ring-Opening Polymerization of Lactide. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 759-765	6.6	19
136	Self-Stratifying Silicone Coating with Nonleaching Antifoulant for Marine Anti-Biofouling. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900535	4.6	29
135	Silicone Elastomer with Surface-Enriched, Nonleaching Amphiphilic Side Chains for Inhibiting Marine Biofouling. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1689-1696	4.3	16
134	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperature-Sensitive Polymers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11910-11917	16.4	145
133	Biodegradable Poly(ester-co-acrylate) with Antifoulant Pendant Groups for Marine Anti-Biofouling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 11947-11953	9.5	33
132	Alternating electric fields induce a period-dependent motion of Escherichia coli in three-dimension near a conductive surface. <i>Biointerphases</i> , <b>2019</b> , 14, 011005	1.8	1
131	Investigation of Formation of Bacterial Biofilm upon Dead Siblings. <i>Langmuir</i> , <b>2019</b> , 35, 7405-7413	4	9

130	Three-Dimensional Bacterial Motions near a Surface Investigated by Digital Holographic Microscopy: Effect of Surface Stiffness. <i>Langmuir</i> , <b>2019</b> , 35, 12257-12263	4	8
129	One-Step Approach to Polyester-Polyether Block Copolymers Using Highly Tunable Bicomponent Catalyst. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 973-978	6.6	46
128	Specific Ion Effects on the Enzymatic Degradation of Polymeric Marine Antibiofouling Materials. <i>Langmuir</i> , <b>2019</b> , 35, 11157-11166	4	8
127	Resolving Optical and Catalytic Activities in Thermo-responsive Nanoparticles by Permanent Ligation with Temperature-Sensitive Polymers. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12036-12043	3.6	4
126	Self-Generating and Self-Renewing Zwitterionic Polymer Surfaces for Marine Anti-Biofouling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41750-41757	9.5	33
125	Biased Lewis Pairs: A General Catalytic Approach to Ether-Ester Block Copolymers with Unlimited Ordering of Sequences. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15478-15487	16.4	55
124	Biased Lewis Pairs: A General Catalytic Approach to Ether-Ester Block Copolymers with Unlimited Ordering of Sequences. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15624-15633	3.6	14
123	Chemoselective Polymerization of Epoxides from Carboxylic Acids: Direct Access to Esterified Polyethers and Biodegradable Polyurethanes. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1582-1587	6.6	11
122	Poly(ester)-poly(silyl methacrylate) copolymers: synthesis and hydrolytic degradation kinetics. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 1448-1454	4.9	21
121	Well-Defined and Structurally Diverse Aromatic Alternating Polyesters Synthesized by Simple Phosphazene Catalysis. <i>Macromolecules</i> , <b>2018</b> , 51, 2247-2257	5.5	58
120	Organic/inorganic dual network formed by epoxy and cement. <i>Polymer Composites</i> , <b>2018</b> , 39, E2490-E2496		2
119	Betulin-Constituted Multiblock Amphiphiles for Broad-Spectrum Protein Resistance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 6593-6600	9.5	12
118	Synthesis of triblock copolymer polydopamine-polyacrylic-polyoxyethylene with excellent performance as a binder for silicon anode lithium-ion batteries.. <i>RSC Advances</i> , <b>2018</b> , 8, 4604-4609	3.7	21
117	Light-enabled reversible self-assembly and tunable optical properties of stable hairy nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E1391-E1400	11.5	89
116	Salt-induced formation of DNA double helices from single stranded DNA investigated by analytical ultracentrifugation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 501-508	2.6	
115	Anti-biofilm effect of a butenolide/polymer coating and metatranscriptomic analyses. <i>Biofouling</i> , <b>2018</b> , 34, 111-122	3.3	22
114	Polyelectrolyte multilayers under compression: concurrent osmotic stress and colloidal probe atomic force microscopy. <i>Soft Matter</i> , <b>2018</b> , 14, 961-968	3.6	4
113	Biodegradable Polymer with Hydrolysis-Induced Zwitterions for Antibiofouling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11213-11220	9.5	55

112	Biodegradable poly(ester)-poly(methyl methacrylate) copolymer for marine anti-biofouling. <i>Progress in Organic Coatings</i> , <b>2018</b> , 124, 55-60	4.8	25
111	Sequence-Selective Terpolymerization from Monomer Mixtures Using a Simple Organocatalyst. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 1420-1425	6.6	38
110	High Efficiency Organic Lewis Pair Catalyst for Ring-Opening Polymerization of Epoxides with Chemoselectivity. <i>Macromolecules</i> , <b>2018</b> , 51, 8286-8297	5.5	54
109	"Bitter-Sweet" Polymeric Micelles Formed by Block Copolymers from Glucosamine and Cholic Acid. <i>Biomacromolecules</i> , <b>2017</b> , 18, 778-786	6.9	25
108	Thermoresponsive Melamine Sponges with Switchable Wettability by Interface-Initiated Atom Transfer Radical Polymerization for Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 8967-8974	9.5	107
107	Self-Cross-Linking Degradable Polymers for Antifouling Coatings. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 5318-5324	3.9	21
106	Phosphazene-Catalyzed Alternating Copolymerization of Dihydrocoumarin and Ethylene Oxide: Weaker Is Better. <i>Macromolecules</i> , <b>2017</b> , 50, 4198-4205	5.5	25
105	Self-Healing Gelatin Hydrogels Cross-Linked by Combining Multiple Hydrogen Bonding and Ionic Coordination. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700018	4.8	49
104	Environmentally Friendly Antifouling Coatings Based on Biodegradable Polymer and Natural Antifoulant. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 6304-6309	8.3	60
103	Landing Dynamics of Swimming Bacteria on a Polymeric Surface: Effect of Surface Properties. <i>Langmuir</i> , <b>2017</b> , 33, 3525-3533	4	27
102	Biodegradable polymer as controlled release system of organic antifoulant to prevent marine biofouling. <i>Progress in Organic Coatings</i> , <b>2017</b> , 104, 58-63	4.8	33
101	Three-Dimensional Bacterial Behavior near Dynamic Surfaces Formed by Degradable Polymers. <i>Langmuir</i> , <b>2017</b> , 33, 13098-13104	4	19
100	Revealing the Cytotoxicity of Residues of Phosphazene Catalysts Used for the Synthesis of Poly(ethylene oxide). <i>Biomacromolecules</i> , <b>2017</b> , 18, 3233-3237	6.9	38
99	Hairy Uniform Permanently Ligated Hollow Nanoparticles with Precise Dimension Control and Tunable Optical Properties. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12956-12967	16.4	83
98	Self-Buffering Organocatalysis Tailoring Alternating Polyester. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 1094-1098	6.6	67
97	Macromolecular architectures through organocatalysis. <i>Progress in Polymer Science</i> , <b>2017</b> , 74, 34-77	29.6	90
96	Self-repairing silicone coatings for marine anti-biofouling. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15855-15861	5.5	101
95	Expanding the scope of organocatalysis for alternating copolymerization of dihydrocoumarin and styrene oxide. <i>European Polymer Journal</i> , <b>2017</b> , 95, 693-701	5.2	8

94	An Injectable Hydrogel with Excellent Self-Healing Property Based on Quadruple Hydrogen Bonding. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 2172-2181	2.6	38
93	Reorganization of hydrogen bond network makes strong polyelectrolyte brushes pH-responsive. <i>Science Advances</i> , <b>2016</b> , 2, e1600579	14.3	32
92	A zwitterionic gel electrolyte for efficient solid-state supercapacitors. <i>Nature Communications</i> , <b>2016</b> , 7, 11782	17.4	259
91	Degradable Polymers for Marine Antibiofouling: Optimizing Structure To Improve Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 11495-11501	3.9	18
90	Precisely Size-Tunable Monodisperse Hairy Plasmonic Nanoparticles via Amphiphilic Star-Like Block Copolymers. <i>Small</i> , <b>2016</b> , 12, 6714-6723	11	55
89	Fouling Release Property of Polydimethylsiloxane-Based Polyurea with Improved Adhesion to Substrate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 6671-6676	3.9	49
88	Ring-Opening Alternating Copolymerization of Epoxides and Dihydrocoumarin Catalyzed by a Phosphazene Superbase. <i>Macromolecules</i> , <b>2016</b> , 49, 4462-4472	5.5	39
87	Mimicking enzymatic systems: modulation of the performance of polymeric organocatalysts by ion-specific effects. <i>Chemical Communications</i> , <b>2016</b> , 52, 3392-5	5.8	9
86	Noncopolymerization Approach to Copolymers via Concurrent Transesterification and Ring-Opening Reactions. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 40-44	6.6	18
85	Pickering Emulsion-Based Marbles for Cellular Capsules. <i>Materials</i> , <b>2016</b> , 9,	3.5	9
84	Biomimicking Nano-Micro Binary Polymer Brushes for Smart Cell Orientation and Adhesion Control. <i>Small</i> , <b>2016</b> , 12, 3400-6	11	37
83	Forward-Osmosis Desalination with Poly(Ionic Liquid) Hydrogels as Smart Draw Agents. <i>Advanced Materials</i> , <b>2016</b> , 28, 4156-61	24	56
82	Mechanical Insight into Resistance of Betaine to Urea-Induced Protein Denaturation. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 12327-12333	3.4	10
81	Microrheology of growing Escherichia coli biofilms investigated by using magnetic force modulation atomic force microscopy. <i>Biointerphases</i> , <b>2016</b> , 11, 041005	1.8	3
80	Biodegradable polymers for marine antibiofouling: Poly( $\epsilon$ -caprolactone)/poly(butylene succinate) blend as controlled release system of organic antifoulant. <i>Polymer</i> , <b>2016</b> , 90, 215-221	3.9	34
79	Ultrahigh resolution, serial fabrication of three dimensionally-patterned protein nanostructures by liquid-mediated non-contact scanning probe lithography. <i>RSC Advances</i> , <b>2016</b> , 6, 50331-50335	3.7	4
78	Crystallization of Polymer Chains Chemically Attached on a Surface: Lamellar Orientation from Flat-on to Edge-on. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 4715-22	3.4	18
77	Anion Specificity of Polyzwitterionic Brushes with Different Carbon Spacer Lengths and Its Application for Controlling Protein Adsorption. <i>Langmuir</i> , <b>2016</b> , 32, 2698-707	4	36

76	Base-to-Base Organocatalytic Approach for One-Pot Construction of Poly(ethylene oxide)-Based Macromolecular Structures. <i>Macromolecules</i> , <b>2016</b> , 49, 6817-6825	5.5	33
75	Poly(urea ester): A family of biodegradable polymers with high melting temperatures. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 3795-3799	2.5	8
74	A versatile strategy for synthesis of hyperbranched polymers with commercially available methacrylate inimer. <i>RSC Advances</i> , <b>2015</b> , 5, 60401-60408	3.7	17
73	Counterion-Specific Protein Adsorption on Polyelectrolyte Brushes. <i>Langmuir</i> , <b>2015</b> , 31, 6078-84	4	26
72	One-pot synthesis of poly(L-lactide)-b-poly(methyl methacrylate) block copolymers. <i>RSC Advances</i> , <b>2015</b> , 5, 38243-38247	3.7	15
71	Inhibition of Marine Biofouling by Use of Degradable and Hydrolyzable Silyl Acrylate Copolymer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 9559-9565	3.9	28
70	Poly(dimethylsiloxane)-Based Polyurethane with Chemically Attached Antifoulants for Durable Marine Antibiofouling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 21030-7	9.5	48
69	MoS <sub>2</sub> armored polystyrene particles with a narrow size distribution via membrane-assisted Pickering emulsions for monolayer-shelled liquid marbles. <i>RSC Advances</i> , <b>2015</b> , 5, 80424-80427	3.7	
68	Degradable Polymer with Protein Resistance in a Marine Environment. <i>Langmuir</i> , <b>2015</b> , 31, 6471-8	4	21
67	A versatile strategy for uniform hybrid nanoparticles and nanocapsules. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 5190-5197	4.5	37
66	Synthesis and properties of antifouling poly(CL-co-zDMAEMA) zwitterionic copolymer by one-step hybrid copolymerization. <i>Materials Science and Engineering C</i> , <b>2015</b> , 51, 189-95	8.3	7
65	Mechanic Insight into Aggregation of Lysozyme by Ultrasensitive Differential Scanning Calorimetry and Sedimentation Velocity. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 15789-95	3.4	12
64	Synthesis and properties of amphiphilic and biodegradable poly( $\epsilon$ -caprolactone-co-glycidol) copolymers. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 846-853	2.5	19
63	Controlled/living ring-opening polymerization of $\epsilon$ -caprolactone with salicylic acid as the organocatalyst. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 1185-1192	2.5	26
62	Cation-specific conformational behavior of polyelectrolyte brushes: from aqueous to nonaqueous solvent. <i>Langmuir</i> , <b>2014</b> , 30, 12850-9	4	39
61	Metal-free controlled ring-opening polymerization of $\epsilon$ -caprolactone in bulk using tris(pentafluorophenyl)borane as a catalyst. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 4726-4733	4.9	23
60	Marine anti-biofouling system with poly( $\epsilon$ -caprolactone)/clay composite as carrier of organic antifoulant. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 5100-5106	7.3	38
59	A self-healing polymeric material: from gel to plastic. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11049	13	43

58	Facile synthesis of biodegradable and clickable polymer. <i>RSC Advances</i> , <b>2014</b> , 4, 23377-23381	3.7	9
57	Biodegradable Polyurethane Carrying Antifoulants for Inhibition of Marine Biofouling. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 12753-12759	3.9	28
56	Marine biofouling resistance of polyurethane with biodegradation and hydrolyzation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4017-24	9.5	67
55	Poly(l-lactide-co-2-(2-methoxyethoxy)ethyl methacrylate): a biodegradable polymer with protein resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 116, 531-6	6	5
54	One-Pot synthesis of functional poly(methacrylate) by ATRP and 1,8-Diazacyclo-[5,4,0]undec-7-ene catalyzed transesterification. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 2998-3003	2.5	4
53	Polyurethane-based nanoparticles as stabilizers for oil-in-water or water-in-oil Pickering emulsions. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5353	13	41
52	Novel hybrid anti-biofouling coatings with a self-peeling and self-generated micro-structured soft and dynamic surface. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2048-2055	7.3	24
51	Fast electrically driven photonic crystal based on charged block copolymer. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6107	7.1	25
50	One-step synthesis of hyperbranched biodegradable polymer. <i>RSC Advances</i> , <b>2013</b> , 3, 6853	3.7	30
49	Effects of hydrolyzable comonomer and cross-linking on anti-biofouling terpolymer coatings. <i>Polymer</i> , <b>2013</b> , 54, 2966-2972	3.9	19
48	Hybrid polybenzoxazine with tunable properties. <i>RSC Advances</i> , <b>2013</b> , 3, 3677	3.7	40
47	Ion-specific conformational behavior of polyzwitterionic brushes: exploiting it for protein adsorption/desorption control. <i>Langmuir</i> , <b>2013</b> , 29, 6588-96	4	80
46	Degradable polyurethane for marine anti-biofouling. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3099-3106	6.3	67
45	Hybrid copolymerization of cyclic and vinyl monomers. <i>Science China Chemistry</i> , <b>2013</b> , 56, 1101-1104	7.9	9
44	Synthesis of Poly( $\epsilon$ -caprolactone-co-methacrylic acid) Copolymer via Phosphazene-Catalyzed Hybrid Copolymerization. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 378-385	2.6	23
43	Polymer Brushes: Liquid-Mediated Three-Dimensional Scanning Probe Nanosculpting (Small 17/2013). <i>Small</i> , <b>2013</b> , 9, 2850-2850	11	1
42	Investigation of the interfacial water structure on poly[2-(dimethylamino)ethyl methacrylate] at the air/water interface by sum frequency generation vibrational spectroscopy. <i>Science Bulletin</i> , <b>2012</b> , 57, 984-991		1
41	Synthesis and properties of thermosetting resin based on urushiol. <i>RSC Advances</i> , <b>2012</b> , 2, 2768	3.7	68



40	pH and ion-species sensitive fluorescence properties of star polyelectrolytes containing a triphenylene core. <i>Soft Matter</i> , <b>2012</b> , 8, 6364	3.6	15
39	Effect of surface wettability on ion-specific protein adsorption. <i>Langmuir</i> , <b>2012</b> , 28, 14642-53	4	43
38	Hybrid Copolymerization of $\epsilon$ -Caprolactone and Methyl Methacrylate. <i>Macromolecules</i> , <b>2012</b> , 45, 3312-3317	3.5	97
37	Thermally Sensitive Microgels: From Basic Science to Applications <b>2012</b> , 1-32		3
36	Synthesis of cyclic polyelectrolyte via direct copper(I)-catalyzed click cyclization. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 831-835	2.5	22
35	Polymeric material for anti-biofouling. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 100, 31-5	6	34
34	Nylon 3 synthesized by ring opening polymerization with a metal-free catalyst. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 2888	4.9	35
33	Synthesis of polyurethane-g-poly(ethylene glycol) copolymers by macroiniferter and their protein resistance. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 1409	4.9	36
32	Preparation of polyurethane with zwitterionic side chains and their protein resistance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 455-61	9.5	67
31	Coatings with a self-generating hydrogel surface for antifouling. <i>Polymer</i> , <b>2011</b> , 52, 3738-3744	3.9	74
30	Synthesis of Poly[(ethylene carbonate)-co-(ethylene oxide)] Copolymer by Phosphazene-Catalyzed ROP. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 2589-2593	2.6	34
29	Amphoteric polymeric photonic crystal with U-shaped pH response developed by intercalation polymerization. <i>Soft Matter</i> , <b>2011</b> , 7, 4156	3.6	13
28	Tuning surface wettability through supramolecular interactions. <i>Soft Matter</i> , <b>2011</b> , 7, 1638	3.6	30
27	Reentrant behavior of grafted poly(sodium styrenesulfonate) chains investigated with a quartz crystal microbalance. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 2880-6	3.6	27
26	Thermoresponsive Core-Shell Brush Copolymers with Poly(propylene oxide)-block-poly(ethylene oxide) Side Chains via a Click-Grafting from Technique. <i>Macromolecules</i> , <b>2010</b> , 43, 1771-1777	5.5	47
25	Effect of end-group modification on the adsorption of poly(ethylene oxide)-b-poly(butylene oxide) diblock copolymers at the solid-liquid interface. <i>Polymer Bulletin</i> , <b>2010</b> , 65, 521-531	2.4	5
24	Integrating Ionic Gate and Rectifier Within One Solid-State Nanopore via Modification with Dual-Responsive Copolymer Brushes. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3561-3567	15.6	98
23	Collagen Cryogel Cross-Linked by Dialdehyde Starch. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 100-107	3.9	87

22	Thermoresponsive brush copolymers with poly(propylene oxide-ran-ethylene oxide) side chains via metal-free anionic polymerization grafting from technique. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 2320-2328	2.5	32
21	Dispersion of polystyrene inside polystyrene-b-poly(N-isopropylacrylamide) micelles in water. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 749-755	2.6	5
20	Protein resistance of polyurethane with hydrophilic and hydrophobic soft segments. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 1987-1993	2.6	19
19	Effect of Sonication on Polymeric Aggregates Formed by Poly(ethylene oxide)-Based Amphiphilic Block Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 1026-1032	2.6	13
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17	Folding of a single polymer chain and phase transition. <i>Science Bulletin</i> , <b>2009</b> , 54, 1908-1911	10.6	3
16	Morphological transitions in aggregates of thermosensitive poly(ethylene oxide)-b-poly(N-isopropylacrylamide) block copolymers prepared via RAFT polymerization. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 4099-4110	2.5	52
15	Effect of microphase separation on the protein resistance of a polymeric surface. <i>Langmuir</i> , <b>2009</b> , 25, 9467-72	4	38
14	Amphiphilic Polystyrene-b-poly(p-hydroxystyrene-g-ethylene oxide) Block-Graft Copolymers via a Combination of Conventional and Metal-Free Anionic Polymerization. <i>Macromolecules</i> , <b>2009</b> , 42, 8661-8668	5.5	44
13	Composition-dependent damping and relaxation dynamics in miscible polymer blends above glass transition temperature by anelastic spectroscopy. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 011910	3.4	5
12	Surfactant-free synthesis of amphiphilic copolymer of poly(styrene-co-acrylamide) in aqueous emulsion with the assistance of ultrasound. <i>Polymers for Advanced Technologies</i> , <b>2008</b> , 19, 221-228	3.2	15
11	A Very Useful Redox Initiator for Aqueous RAFT Polymerization of N-Isopropylacrylamide and Acrylamide at Room Temperature. <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 562-566	4.8	46
10	How Many Stages in the Coil-to-Globule Transition of Linear Homopolymer Chains in a Dilute Solution?. <i>Macromolecules</i> , <b>2007</b> , 40, 4750-4752	5.5	65
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7	Microcalorimetric Investigation on Aggregation and Dissolution of Poly(N-isopropylacrylamide) Chains in Water. <i>Macromolecules</i> , <b>2005</b> , 38, 904-908	5.5	147
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1	A Non-isocyanate Strategy towards Polyurethane Vitrimers from Alkylene Bisurea and Epoxide through Eutectic-Assisted Melting. <i>Macromolecular Chemistry and Physics</i> , 2100452	2.6	2