Guangzhao Zhang

List of Publications by Citations

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	A zwitterionic gel electrolyte for efficient solid-state supercapacitors. *Nature Communications*, **2016**, 7, 11782	17.4	259
164	Microcalorimetric Investigation on Aggregation and Dissolution of Poly(N-isopropylacrylamide) Chains in Water. *Macromolecules*, **2005**, 38, 904-908	5.5	147
163	Dynamic surface antifouling: mechanism and systems. *Soft Matter*, **2019**, 15, 1087-1107	3.6	109
162	Silicone-Based Fouling-Release Coatings for Marine Antifouling. *Langmuir*, **2020**, 36, 2170-2183	4	109
161	Thermoresponsive Melamine Sponges with Switchable Wettability by Interface-Initiated Atom Transfer Radical Polymerization for Oil/Water Separation. *ACS Applied Materials & Interfaces*, **2017**, 9, 8967-8974	9.5	107
160	Self-repairing silicone coatings for marine anti-biofouling. *Journal of Materials Chemistry A*, **2017**, 5, 15855-15861	15	101
159	Integrating Ionic Gate and Rectifier Within One Solid-State Nanopore via Modification with Dual-Responsive Copolymer Brushes. *Advanced Functional Materials*, **2010**, 20, 3561-3567	15.6	98
158	Hybrid Copolymerization of ε-Caprolactone and Methyl Methacrylate. *Macromolecules*, **2012**, 45, 3312-3317	5.5	97
157	Macromolecular architectures through organocatalysis. *Progress in Polymer Science*, **2017**, 74, 34-77	29.6	90
156	Light-enabled reversible self-assembly and tunable optical properties of stable hairy nanoparticles. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1391-E1400	11.5	89
155	Collagen Cryogel Cross-Linked by Dialdehyde Starch. *Macromolecular Materials and Engineering*, **2010**, 295, 100-107	3.9	87
154	Study on Conformation Change of Thermally Sensitive Linear Grafted Poly(N-isopropylacrylamide) Chains by Quartz Crystal Microbalance. *Macromolecules*, **2004**, 37, 6553-6557	5.5	84
153	Hairy Uniform Permanently Ligated Hollow Nanoparticles with Precise Dimension Control and Tunable Optical Properties. *Journal of the American Chemical Society*, **2017**, 139, 12956-12967	16.4	83
152	Ion-specific conformational behavior of polyzwitterionic brushes: exploiting it for protein adsorption/desorption control. *Langmuir*, **2013**, 29, 6588-96	4	80
151	Coatings with a self-generating hydrogel surface for antifouling. *Polymer*, **2011**, 52, 3738-3744	3.9	74
150	Quartz crystal microbalance studies on conformational change of polymer chains at interface. *Macromolecular Rapid Communications*, **2009**, 30, 328-35	4.8	73
149	Advanced functional polymer materials. *Materials Chemistry Frontiers*, **2020**, 4, 1803-1915	7.8	70

148	Synthesis and properties of thermosetting resin based on urushiol. *RSC Advances*, **2012**, 2, 2768	3.7	68
147	Marine biofouling resistance of polyurethane with biodegradation and hydrolyzation. *ACS Applied Materials & Interfaces*, **2014**, 6, 4017-24	9.5	67
146	Self-Buffering Organocatalysis Tailoring Alternating Polyester. *ACS Macro Letters*, **2017**, 6, 1094-1098	6.6	67
145	Degradable polyurethane for marine anti-biofouling. *Journal of Materials Chemistry B*, **2013**, 1, 3099-3106	7.3	67
144	Preparation of polyurethane with zwitterionic side chains and their protein resistance. *ACS Applied Materials & Interfaces*, **2011**, 3, 455-61	9.5	67
143	How Many Stages in the Coil-to-Globule Transition of Linear Homopolymer Chains in a Dilute Solution?. *Macromolecules*, **2007**, 40, 4750-4752	5.5	65
142	Effect of Comonomer Distribution on the Coil-to-Globule Transition of a Single AB Copolymer Chain in Dilute Solution. *Macromolecules*, **2002**, 35, 2723-2727	5.5	63
141	Environmentally Friendly Antifouling Coatings Based on Biodegradable Polymer and Natural Antifoulant. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 6304-6309	8.3	60
140	Well-Defined and Structurally Diverse Aromatic Alternating Polyesters Synthesized by Simple Phosphazene Catalysis. *Macromolecules*, **2018**, 51, 2247-2257	5.5	58
139	Forward-Osmosis Desalination with Poly(Ionic Liquid) Hydrogels as Smart Draw Agents. *Advanced Materials*, **2016**, 28, 4156-61	24	56
138	Biodegradable Polymer with Hydrolysis-Induced Zwitterions for Antibiofouling. *ACS Applied Materials & Interfaces*, **2018**, 10, 11213-11220	9.5	55
137	Precisely Size-Tunable Monodisperse Hairy Plasmonic Nanoparticles via Amphiphilic Star-Like Block Copolymers. *Small*, **2016**, 12, 6714-6723	11	55
136	Biased Lewis Pairs: A General Catalytic Approach to Ether-Ester Block Copolymers with Unlimited Ordering of Sequences. *Angewandte Chemie - International Edition*, **2019**, 58, 15478-15487	16.4	55
135	High Efficiency Organic Lewis Pair Catalyst for Ring-Opening Polymerization of Epoxides with Chemoselectivity. *Macromolecules*, **2018**, 51, 8286-8297	5.5	54
134	Morphological transitions in aggregates of thermosensitive poly(ethylene oxide)-b-poly(N-isopropylacrylamide) block copolymers prepared via RAFT polymerization. *Journal of Polymer Science Part A*, **2009**, 47, 4099-4110	2.5	52
133	Self-Healing Gelatin Hydrogels Cross-Linked by Combining Multiple Hydrogen Bonding and Ionic Coordination. *Macromolecular Rapid Communications*, **2017**, 38, 1700018	4.8	49
132	Fouling Release Property of Polydimethylsiloxane-Based Polyurea with Improved Adhesion to Substrate. *Industrial & Engineering Chemistry Research*, **2016**, 55, 6671-6676	3.9	49
131	Poly(dimethylsiloxane)-Based Polyurethane with Chemically Attached Antifoulants for Durable Marine Antibiofouling. *ACS Applied Materials & Interfaces*, **2015**, 7, 21030-7	9.5	48

130	Thermoresponsive Core–Shell Brush Copolymers with Poly(propylene oxide)-block-poly(ethylene oxide) Side Chains via a "Grafting from" Technique. *Macromolecules*, **2010**, 43, 1771-1777	5.5	47
129	One-Step Approach to Polyester–Polyether Block Copolymers Using Highly Tunable Bicomponent Catalyst. *ACS Macro Letters*, **2019**, 8, 973-978	6.6	46
128	In situ investigations on enzymatic degradation of poly(e-caprolactone). *Polymer*, **2007**, 48, 6348-6353	3.9	46
127	A Very Useful Redox Initiator for Aqueous RAFT Polymerization of N-Isopropylacrylamide and Acrylamide at Room Temperature. *Macromolecular Rapid Communications*, **2008**, 29, 562-566	4.8	46
126	Structure of a collapsed polymer chain with stickers: a single- or multiflower?. *Physical Review Letters*, **2003**, 90, 035506	7.4	46
125	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperature-Sensitive Polymers. *Angewandte Chemie - International Edition*, **2019**, 58, 11910-11917	16.4	45
124	Amphiphilic Polystyrene-b-poly(p-hydroxystyrene-g-ethylene oxide) Block–Graft Copolymers via a Combination of Conventional and Metal-Free Anionic Polymerization. *Macromolecules*, **2009**, 42, 8661-8668	5.5	44
123	A self-healing polymeric material: from gel to plastic. *Journal of Materials Chemistry A*, **2014**, 2, 11049	13	43
122	Effect of surface wettability on ion-specific protein adsorption. *Langmuir*, **2012**, 28, 14642-53	4	43
121	Polyurethane-based nanoparticles as stabilizers for oil-in-water or water-in-oil Pickering emulsions. *Journal of Materials Chemistry A*, **2013**, 1, 5353	13	41
120	Hybrid polybenzoxazine with tunable properties. *RSC Advances*, **2013**, 3, 3677	3.7	40
119	Ring-Opening Alternating Copolymerization of Epoxides and Dihydrocoumarin Catalyzed by a Phosphazene Superbase. *Macromolecules*, **2016**, 49, 4462-4472	5.5	39
118	Cation-specific conformational behavior of polyelectrolyte brushes: from aqueous to nonaqueous solvent. *Langmuir*, **2014**, 30, 12850-9	4	39
117	An Injectable Hydrogel with Excellent Self-Healing Property Based on Quadruple Hydrogen Bonding. *Macromolecular Chemistry and Physics*, **2016**, 217, 2172-2181	2.6	38
116	Marine anti-biofouling system with poly(ε-caprolactone)/clay composite as carrier of organic antifoulant. *Journal of Materials Chemistry B*, **2014**, 2, 5100-5106	7.3	38
115	Revealing the Cytotoxicity of Residues of Phosphazene Catalysts Used for the Synthesis of Poly(ethylene oxide). *Biomacromolecules*, **2017**, 18, 3233-3237	6.9	38
114	Effect of microphase separation on the protein resistance of a polymeric surface. *Langmuir*, **2009**, 25, 9467-72	4	38
113	Sequence-Selective Terpolymerization from Monomer Mixtures Using a Simple Organocatalyst. *ACS Macro Letters*, **2018**, 7, 1420-1425	6.6	38

112	A versatile strategy for uniform hybrid nanoparticles and nanocapsules. *Polymer Chemistry*, **2015**, 6, 5190-5197	4.9	37
111	Biomimicking Nano-Micro Binary Polymer Brushes for Smart Cell Orientation and Adhesion Control. *Small*, **2016**, 12, 3400-6	11	37
110	Synthesis of polyurethane-g-poly(ethylene glycol) copolymers by macroiniferter and their protein resistance. *Polymer Chemistry*, **2011**, 2, 1409	4.9	36
109	The Next 100 Years of Polymer Science. *Macromolecular Chemistry and Physics*, **2020**, 221, 2000216	2.6	36
108	Anion Specificity of Polyzwitterionic Brushes with Different Carbon Spacer Lengths and Its Application for Controlling Protein Adsorption. *Langmuir*, **2016**, 32, 2698-707	4	36
107	Nylon 3 synthesized by ring opening polymerization with a metal-free catalyst. *Polymer Chemistry*, **2011**, 2, 2888	4.9	35
106	Polymeric material for anti-biofouling. *Colloids and Surfaces B: Biointerfaces*, **2012**, 100, 31-5	6	34
105	Synthesis of Poly[(ethylene carbonate)-co-(ethylene oxide)] Copolymer by Phosphazene-Catalyzed ROP. *Macromolecular Chemistry and Physics*, **2011**, 212, 2589-2593	2.6	34
104	Biodegradable polymers for marine antibiofouling: Poly(Ɛ-caprolactone)/poly(butylene succinate) blend as controlled release system of organic antifoulant. *Polymer*, **2016**, 90, 215-221	3.9	34
103	Biodegradable polymer as controlled release system of organic antifoulant to prevent marine biofouling. *Progress in Organic Coatings*, **2017**, 104, 58-63	4.8	33
102	Biodegradable Poly(ester- co-acrylate) with Antifoulant Pendant Groups for Marine Anti-Biofouling. *ACS Applied Materials & Interfaces*, **2019**, 11, 11947-11953	9.5	33
101	Self-Generating and Self-Renewing Zwitterionic Polymer Surfaces for Marine Anti-Biofouling. *ACS Applied Materials & Interfaces*, **2019**, 11, 41750-41757	9.5	33
100	Base-to-Base Organocatalytic Approach for One-Pot Construction of Poly(ethylene oxide)-Based Macromolecular Structures. *Macromolecules*, **2016**, 49, 6817-6825	5.5	33
99	Reorganization of hydrogen bond network makes strong polyelectrolyte brushes pH-responsive. *Science Advances*, **2016**, 2, e1600579	14.3	32
98	Thermoresponsive brush copolymers with poly(propylene oxide-ran-ethylene oxide) side chains via metal-free anionic polymerization □grafting from□technique. *Journal of Polymer Science Part A*, **2010**, 48, 2320-2328	2.5	32
97	One-step synthesis of hyperbranched biodegradable polymer. *RSC Advances*, **2013**, 3, 6853	3.7	30
96	Tuning surface wettability through supramolecular interactions. *Soft Matter*, **2011**, 7, 1638	3.6	30
95	Self-Stratifying Silicone Coating with Nonleaching Antifoulant for Marine Anti-Biofouling. *Advanced Materials Interfaces*, **2019**, 6, 1900535	4.6	29

94	From the Nature for the Nature: An Eco-Friendly Antifouling Coating Consisting of Poly(lactic acid)-Based Polyurethane and Natural Antifoulant. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 1671-1678	8.3	29
93	Inhibition of Marine Biofouling by Use of Degradable and Hydrolyzable Silyl Acrylate Copolymer. *Industrial & Engineering Chemistry Research*, **2015**, 54, 9559-9565	3.9	28
92	Biodegradable Polyurethane Carrying Antifoulants for Inhibition of Marine Biofouling. *Industrial & Engineering Chemistry Research*, **2014**, 53, 12753-12759	3.9	28
91	Landing Dynamics of Swimming Bacteria on a Polymeric Surface: Effect of Surface Properties. *Langmuir*, **2017**, 33, 3525-3533	4	27
90	Reentrant behavior of grafted poly(sodium styrenesulfonate) chains investigated with a quartz crystal microbalance. *Physical Chemistry Chemical Physics*, **2011**, 13, 2880-6	3.6	27
89	Counterion-Specific Protein Adsorption on Polyelectrolyte Brushes. *Langmuir*, **2015**, 31, 6078-84	4	26
88	Controlled/living ring-opening polymerization of ε-caprolactone with salicylic acid as the organocatalyst. *Journal of Polymer Science Part A*, **2014**, 52, 1185-1192	2.5	26
87	"Bitter-Sweet" Polymeric Micelles Formed by Block Copolymers from Glucosamine and Cholic Acid. *Biomacromolecules*, **2017**, 18, 778-786	6.9	25
86	Phosphazene-Catalyzed Alternating Copolymerization of Dihydrocoumarin and Ethylene Oxide: Weaker Is Better. *Macromolecules*, **2017**, 50, 4198-4205	5.5	25
85	Biodegradable poly(ester)-poly(methyl methacrylate) copolymer for marine anti-biofouling. *Progress in Organic Coatings*, **2018**, 124, 55-60	4.8	25
84	Fast electrically driven photonic crystal based on charged block copolymer. *Journal of Materials Chemistry C*, **2013**, 1, 6107	7.1	25
83	Disstacking of Phthalocyanine in Water by Poly(ethylene Oxide). *Langmuir*, **2001**, 17, 1381-1383	4	25
82	Novel hybrid anti-biofouling coatings with a self-peeling and self-generated micro-structured soft and dynamic surface. *Journal of Materials Chemistry B*, **2013**, 1, 2048-2055	7.3	24
81	Metal-free controlled ring-opening polymerization of ε-caprolactone in bulk using tris(pentafluorophenyl)borane as a catalyst. *Polymer Chemistry*, **2014**, 5, 4726-4733	4.9	23
80	Synthesis of Poly(?-caprolactone-co-methacrylic acid) Copolymer via Phosphazene-Catalyzed Hybrid Copolymerization. *Macromolecular Chemistry and Physics*, **2013**, 214, 378-385	2.6	23
79	Ring-opening (co)polymerization of γ-butyrolactone: a review. *Polymer Journal*, **2020**, 52, 3-11	2.7	23
78	Anti-biofilm effect of a butenolide/polymer coating and metatranscriptomic analyses. *Biofouling*, **2018**, 34, 111-122	3.3	22
77	Synthesis of cyclic polyelectrolyte via direct copper(I)-catalyzed click cyclization. *Journal of Polymer Science Part A*, **2012**, 50, 831-835	2.5	22

76	Self-Cross-Linking Degradable Polymers for Antifouling Coatings. *Industrial & Engineering Chemistry Research*, **2017**, 56, 5318-5324	3.9	21
75	Poly(ester)–poly(silyl methacrylate) copolymers: synthesis and hydrolytic degradation kinetics. *Polymer Chemistry*, **2018**, 9, 1448-1454	4.9	21
74	Synthesis of triblock copolymer polydopamine-polyacrylic-polyoxyethylene with excellent performance as a binder for silicon anode lithium-ion batteries.. *RSC Advances*, **2018**, 8, 4604-4609	3.7	21
73	Degradable Polymer with Protein Resistance in a Marine Environment. *Langmuir*, **2015**, 31, 6471-8	4	21
72	Non-elastic glassy coating with fouling release and resistance abilities. *Journal of Materials Chemistry A*, **2020**, 8, 380-387	13	21
71	Three-Dimensional Bacterial Behavior near Dynamic Surfaces Formed by Degradable Polymers. *Langmuir*, **2017**, 33, 13098-13104	4	19
70	Ionic Organocatalyst with a Urea Anion and Tetra-n-butyl Ammonium Cation for Rapid, Selective, and Versatile Ring-Opening Polymerization of Lactide. *ACS Macro Letters*, **2019**, 8, 759-765	6.6	19
69	Effects of hydrolyzable comonomer and cross-linking on anti-biofouling terpolymer coatings. *Polymer*, **2013**, 54, 2966-2972	3.9	19
68	Synthesis and properties of amphiphilic and biodegradable poly(ε-caprolactone-co-glycidol) copolymers. *Journal of Polymer Science Part A*, **2015**, 53, 846-853	2.5	19
67	Protein resistance of polyurethane with hydrophilic and hydrophobic soft segments. *Journal of Polymer Science, Part B: Polymer Physics*, **2010**, 48, 1987-1993	2.6	19
66	Fouling resistant silicone coating with self-healing induced by metal coordination. *Chemical Engineering Journal*, **2021**, 406, 126870	14.7	19
65	Degradable Polymers for Marine Antibiofouling: Optimizing Structure To Improve Performance. *Industrial & Engineering Chemistry Research*, **2016**, 55, 11495-11501	3.9	18
64	Noncopolymerization Approach to Copolymers via Concurrent Transesterification and Ring-Opening Reactions. *ACS Macro Letters*, **2016**, 5, 40-44	6.6	18
63	Crystallization of Polymer Chains Chemically Attached on a Surface: Lamellar Orientation from Flat-on to Edge-on. *Journal of Physical Chemistry B*, **2016**, 120, 4715-22	3.4	18
62	Transparent Polymer-Ceramic Hybrid Antifouling Coating with Superior Mechanical Properties. *Advanced Functional Materials*, **2021**, 31, 2011145	15.6	18
61	A versatile strategy for synthesis of hyperbranched polymers with commercially available methacrylate inimer. *RSC Advances*, **2015**, 5, 60401-60408	3.7	17
60	Silicone Elastomer with Surface-Enriched, Nonleaching Amphiphilic Side Chains for Inhibiting Marine Biofouling. *ACS Applied Polymer Materials*, **2019**, 1, 1689-1696	4.3	16
59	One-pot synthesis of poly(L-lactide)-b-poly(methyl methacrylate) block copolymers. *RSC Advances*, **2015**, 5, 38243-38247	3.7	15

58	pH and ion-species sensitive fluorescence properties of star polyelectrolytes containing a triphenylene core. *Soft Matter*, **2012**, 8, 6364	3.6	15
57	Surfactant-free synthesis of amphiphilic copolymer of poly(styrene-co-acrylamide) in aqueous emulsion with the assistance of ultrasound. *Polymers for Advanced Technologies*, **2008**, 19, 221-228	3.2	15
56	Biased Lewis Pairs: A General Catalytic Approach to Ether-Ester Block Copolymers with Unlimited Ordering of Sequences. *Angewandte Chemie*, **2019**, 131, 15624-15633	3.6	14
55	Rapid curing and self-stratifying lacquer coating with antifouling and anticorrosive properties. *Chemical Engineering Journal*, **2021**, 421, 129755	14.7	14
54	Amphoteric polymeric photonic crystal with U-shaped pH response developed by intercalation polymerization. *Soft Matter*, **2011**, 7, 4156	3.6	13
53	Effect of Sonication on Polymeric Aggregates Formed by Poly(ethylene oxide)-Based Amphiphilic Block Copolymers. *Macromolecular Chemistry and Physics*, **2009**, 210, 1026-1032	2.6	13
52	Kill-Resist-Renew Trinity: Hyperbranched Polymer with Self-Regenerating Attack and Defense for Antifouling Coatings. *ACS Applied Materials & Interfaces*, **2021**, 13, 13735-13743	9.5	13
51	Betulin-Constituted Multiblock Amphiphiles for Broad-Spectrum Protein Resistance. *ACS Applied Materials & Interfaces*, **2018**, 10, 6593-6600	9.5	12
50	Mechanic Insight into Aggregation of Lysozyme by Ultrasensitive Differential Scanning Calorimetry and Sedimentation Velocity. *Journal of Physical Chemistry B*, **2015**, 119, 15789-95	3.4	12
49	Nanodiamond Reinforced Poly(dimethylsiloxane)-Based Polyurea with Self-Healing Ability for Fouling Release Coating. *ACS Applied Polymer Materials*, **2020**, 2, 3181-3188	4.3	11
48	Chemoselective Polymerization of Epoxides from Carboxylic Acids: Direct Access to Esterified Polyethers and Biodegradable Polyurethanes. *ACS Macro Letters*, **2019**, 8, 1582-1587	6.6	11
47	Self-healing, highly elastic and amphiphilic silicone-based polyurethane for antifouling coatings. *Journal of Materials Chemistry B*, **2021**, 9, 1384-1394	7.3	11
46	Collapse and swelling of poly(N-isopropylacrylamide-co-sodium acrylate) copolymer brushes grafted on a flat SiO2 surface. *Journal of Polymer Science, Part B: Polymer Physics*, **2006**, 44, 770-778	2.6	10
45	Mechanical Insight into Resistance of Betaine to Urea-Induced Protein Denaturation. *Journal of Physical Chemistry B*, **2016**, 120, 12327-12333	3.4	10
44	Fouling Release Coating Consisting of Hyperbranched Poly(ε-caprolactone)/Siloxane Elastomer. *ACS Applied Polymer Materials*, **2020**, 2, 1429-1437	4.3	9
43	Mimicking enzymatic systems: modulation of the performance of polymeric organocatalysts by ion-specific effects. *Chemical Communications*, **2016**, 52, 3392-5	5.8	9
42	Investigation of Formation of Bacterial Biofilm upon Dead Siblings. *Langmuir*, **2019**, 35, 7405-7413	4	9
41	Facile synthesis of biodegradable and clickable polymer. *RSC Advances*, **2014**, 4, 23377-23381	3.7	9

40	Hybrid copolymerization of cyclic and vinyl monomers. *Science China Chemistry*, **2013**, 56, 1101-1104	7.9	9
39	Pickering Emulsion-Based Marbles for Cellular Capsules. *Materials*, **2016**, 9,	3.5	9
38	Three-Dimensional Bacterial Motions near a Surface Investigated by Digital Holographic Microscopy: Effect of Surface Stiffness. *Langmuir*, **2019**, 35, 12257-12263	4	8
37	Specific Ion Effects on the Enzymatic Degradation of Polymeric Marine Antibiofouling Materials. *Langmuir*, **2019**, 35, 11157-11166	4	8
36	Expanding the scope of organocatalysis for alternating copolymerization of dihydrocoumarin and styrene oxide. *European Polymer Journal*, **2017**, 95, 693-701	5.2	8
35	Poly(urea ester): A family of biodegradable polymers with high melting temperatures. *Journal of Polymer Science Part A*, **2016**, 54, 3795-3799	2.5	8
34	Surface-fragmenting hyperbranched copolymers with hydrolysis-generating zwitterions for antifouling coatings. *Journal of Materials Chemistry B*, **2020**, 8, 5434-5440	7.3	7
33	Synthesis and properties of antifouling poly(CL-co-zDMAEMA) zwitterionic copolymer by one-step hybrid copolymerization. *Materials Science and Engineering C*, **2015**, 51, 189-95	8.3	7
32	N-Heterocyclic carbene/Lewis acid-mediated ring-opening polymerization of propylene oxide. Part 1: Triisobutylaluminum as an efficient controlling agent. *European Polymer Journal*, **2020**, 134, 109819	5.2	5
31	Poly(l-lactide-co-2-(2-methoxyethoxy)ethyl methacrylate): a biodegradable polymer with protein resistance. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 531-6	6	5
30	Effect of end-group modification on the adsorption of poly(ethylene oxide)-b-poly(butylene oxide) diblock copolymers at the solid□liquid interface. *Polymer Bulletin*, **2010**, 65, 521-531	2.4	5
29	Dispersion of polystyrene inside polystyrene-b-poly(N-isopropylacrylamide) micelles in water. *Journal of Polymer Science, Part B: Polymer Physics*, **2010**, 48, 749-755	2.6	5
28	Composition-dependent damping and relaxation dynamics in miscible polymer blends above glass transition temperature by anelastic spectroscopy. *Applied Physics Letters*, **2008**, 93, 011910	3.4	5
27	Investigation of the self-association behavior of a thermosensitive copolymer with lower critical solubility temperature near human heat by dynamic laser light scattering. *Journal of Applied Polymer Science*, **2005**, 96, 583-588	2.9	5
26	Antifouling mechanism of natural product-based coatings investigated by digital holographic microscopy. *Journal of Materials Science and Technology*, **2021**, 84, 200-207	9.1	5
25	Polyelectrolyte multilayers under compression: concurrent osmotic stress and colloidal probe atomic force microscopy. *Soft Matter*, **2018**, 14, 961-968	3.6	4
24	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperature-Sensitive Polymers. *Angewandte Chemie*, **2019**, 131, 12036-12043	3.6	4
23	One-Pot synthesis of functional poly(methacrylate) by ATRP and 1,8-Diazacyclo-[5,4,0]undec-7-ene catalyzed transesterification. *Journal of Polymer Science Part A*, **2014**, 52, 2998-3003	2.5	4

22	Degradable hyperbranched polymer with fouling resistance for antifouling coatings. *Progress in Organic Coatings*, **2021**, 153, 106141	4.8	4
21	Ultrahigh resolution, serial fabrication of three dimensionally-patterned protein nanostructures by liquid-mediated non-contact scanning probe lithography. *RSC Advances*, **2016**, 6, 50331-50335	3.7	4
20	Thermally Sensitive Microgels: From Basic Science to Applications **2012**, 1-32		3
19	Folding of a single polymer chain and phase transition. *Science Bulletin*, **2009**, 54, 1908-1911	10.6	3
18	Microrheology of growing Escherichia coli biofilms investigated by using magnetic force modulation atomic force microscopy. *Biointerphases*, **2016**, 11, 041005	1.8	3
17	N-Heterocyclic carbene/Lewis acid-mediated ring-opening polymerization of propylene oxide. Part 2: Toward dihydroxytelechelic polyethers using triethylborane. *European Polymer Journal*, **2020**, 134, 109839	5.2	2
16	Organic/inorganic dual network formed by epoxy and cement. *Polymer Composites*, **2018**, 39, E2490-E2496	3	2
15	A Non-isocyanate Strategy towards Polyurethane Vitrimers from Alkylene Bisurea and Epoxide through Eutectic-Assisted Melting. *Macromolecular Chemistry and Physics*,2100452	2.6	2
14	Method for 3D tracking behaviors of interplaying bacteria individuals. *Optics Express*, **2020**, 28, 28060-28071	3.3	2
13	Silicone Elastomer with Self-Generating Zwitterions for Antifouling Coatings. *Langmuir*, **2021**, 37, 8253-8260	4	2
12	Alternating electric fields induce a period-dependent motion of Escherichia coli in three-dimension near a conductive surface. *Biointerphases*, **2019**, 14, 011005	1.8	1
11	Investigation of the interfacial water structure on poly[2-(dimethylamino)ethyl methacrylate] at the air/water interface by sum frequency generation vibrational spectroscopy. *Science Bulletin*, **2012**, 57, 984-991		1
10	Polymer Brushes: Liquid-Mediated Three-Dimensional Scanning Probe Nanosculpting (Small 17/2013). *Small*, **2013**, 9, 2850-2850	11	1
9	Microscale topographic surfaces modulate three-dimensional migration of human spermatozoa. *Colloids and Surfaces B: Biointerfaces*, **2020**, 193, 111096	6	1
8	Adaptive behaviors of planktonic Pseudomonas aeruginosa in response to the surface-deposited dead siblings. *Colloids and Surfaces B: Biointerfaces*, **2021**, 197, 111408	6	1
7	Tree root-inspired robust superhydrophobic coatings with high permeation for porous structures. *IScience*, **2021**, 24, 103197	6.1	1
6	Multifunctional Hard Yet Flexible Coatings Fabricated Using a Universal Step-by-Step Strategy.. *Advanced Science*, **2022**, e2200268	13.6	1
5	Noncovalent Protection for Direct Synthesis of α-Amino-ω-hydroxyl Poly(ethylene oxide).. *ACS Macro Letters*, **2021**, 10, 737-743	6.6	0

4	UV-curable hyperbranched poly(ester-co-vinyl) by radical ring-opening copolymerization for antifouling coatings. *Polymer Chemistry*, **2021**, 12, 4524-4531	4.9	0
3	MoS2 armored polystyrene particles with a narrow size distribution via membrane-assisted Pickering emulsions for monolayer-shelled liquid marbles. *RSC Advances*, **2015**, 5, 80424-80427	3.7	
2	Salt-induced formation of DNA double helices from single stranded DNA investigated by analytical ultracentrifugation. *Journal of Polymer Science, Part B: Polymer Physics*, **2018**, 56, 501-508	2.6	
1	Cation-amino acid interactions: Implications for protein destabilization. *Biochemical and Biophysical Research Communications*, **2021**, 548, 47-52	3.4	