

# Jan Genzer

## List of Publications by Year in descending order

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266  
papers

19,962  
citations

22099

59  
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11899

134  
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291  
all docs

291  
docs citations

291  
times ranked

21499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging applications of stimuli-responsive polymer materials. <i>Nature Materials</i> , 2010, 9, 101-113.	13.3	5,007
2	Recent developments in superhydrophobic surfaces and their relevance to marine fouling: a review. <i>Biofouling</i> , 2006, 22, 339-360.	0.8	1,028
3	Soft matter with hard skin: From skin wrinkles to templating and material characterization. <i>Soft Matter</i> , 2006, 2, 310.	1.2	773
4	Nested self-similar wrinkling patterns in skins. <i>Nature Materials</i> , 2005, 4, 293-297.	13.3	710
5	Surface Modification of Sylgard-184 Poly(dimethyl siloxane) Networks by Ultraviolet and Ultraviolet/Ozone Treatment. <i>Journal of Colloid and Interface Science</i> , 2002, 254, 306-315.	5.0	670
6	Self-folding of polymer sheets using local light absorption. <i>Soft Matter</i> , 2012, 8, 1764-1769.	1.2	466
7	Surface-Bound Soft Matter Gradients. <i>Langmuir</i> , 2008, 24, 2294-2317.	1.6	327
8	Combinatorial Study of the Mushroom-to-Brush Crossover in Surface Anchored Polyacrylamide. <i>Journal of the American Chemical Society</i> , 2002, 124, 9394-9395.	6.6	296
9	“2D or not 2D?” Shape-programming polymer sheets. <i>Progress in Polymer Science</i> , 2016, 52, 79-106.	11.8	292
10	Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers. <i>Advanced Functional Materials</i> , 2017, 27, 1605630.	7.8	257
11	Sequential self-folding of polymer sheets. <i>Science Advances</i> , 2017, 3, e1602417.	4.7	254
12	Behavior of Surface-Anchored Poly(acrylic acid) Brushes with Grafting Density Gradients on Solid Substrates: 1. Experiment. <i>Macromolecules</i> , 2007, 40, 8756-8764.	2.2	252
13	Attributes, Fabrication, and Applications of Gallium-Based Liquid Metal Particles. <i>Advanced Science</i> , 2020, 7, 2000192.	5.6	246
14	Handwritten, Soft Circuit Boards and Antennas Using Liquid Metal Nanoparticles. <i>Small</i> , 2015, 11, 6397-6403.	5.2	234
15	Development and Testing of Hierarchically Wrinkled Coatings for Marine Antifouling. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1031-1040.	4.0	225
16	Elastomeric microparticles for acoustic mediated bioseparations. <i>Journal of Nanobiotechnology</i> , 2013, 11, 22.	4.2	199
17	Formation and Properties of Anchored Polymers with a Gradual Variation of Grafting Densities on Flat Substrates. <i>Macromolecules</i> , 2003, 36, 2448-2453.	2.2	190
18	Shape-transformable liquid metal nanoparticles in aqueous solution. <i>Chemical Science</i> , 2017, 8, 3832-3837.	3.7	181

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19	Vacuum filling of complex microchannels with liquid metal. <i>Lab on A Chip</i> , 2017, 17, 3043-3050.	3.1	169
20	Behavior of Surface-Anchored Poly(acrylic acid) Brushes with Grafting Density Gradients on Solid Substrates: 2. Theory. <i>Macromolecules</i> , 2007, 40, 8765-8773.	2.2	149
21	Biological and Synthetic Self-Cleaning Surfaces. <i>MRS Bulletin</i> , 2008, 33, 742-746.	1.7	144
22	Applications of surface-grafted macromolecules derived from post-polymerization modification reactions. <i>Progress in Polymer Science</i> , 2012, 37, 871-906.	11.8	136
23	Computer Simulation of Block Copolymer/Nanoparticle Composites. <i>Macromolecules</i> , 2005, 38, 3007-3016.	2.2	135
24	Controlling the assembly of nanoparticles using surface grafted molecular and macromolecular gradients. <i>Nanotechnology</i> , 2003, 14, 1145-1152.	1.3	123
25	Surface-Grafted Polymer Gradients: Formation, Characterization, and Applications. , 0, , 51-124.		116
26	The Orientation of Semifluorinated Alkanes Attached to Polymers at the Surface of Polymer Films. <i>Macromolecules</i> , 2000, 33, 1882-1887.	2.2	115
27	Surface Stability in Liquid-Crystalline Block Copolymers with Semifluorinated Monodendron Side Groups. <i>Macromolecules</i> , 2000, 33, 6106-6119.	2.2	110
28	Formation of Grafted Macromolecular Assemblies with a Gradual Variation of Molecular Weight on Solid Substrates. <i>Macromolecules</i> , 2003, 36, 3449-3451.	2.2	109
29	Liquid Metal Nanoparticles as Initiators for Radical Polymerization of Vinyl Monomers. <i>ACS Macro Letters</i> , 2019, 8, 1522-1527.	2.3	109
30	Simultaneous Bulk- and Surface-Initiated Controlled Radical Polymerization from Planar Substrates. <i>Journal of the American Chemical Society</i> , 2011, 133, 17567-17569.	6.6	106
31	Self-Folding Origami Microstrip Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2014, 62, 5416-5419.	3.1	106
32	Fabricating Planar Nanoparticle Assemblies with Number Density Gradients. <i>Langmuir</i> , 2002, 18, 5640-5643.	1.6	102
33	Application of ion scattering techniques to characterize polymer surfaces and interfaces. <i>Materials Science and Engineering Reports</i> , 2002, 38, 107-180.	14.8	100
34	Effect of Substrate Geometry on Polymer Molecular Weight and Polydispersity during Surface-Initiated Polymerization. <i>Macromolecules</i> , 2008, 41, 4856-4865.	2.2	98
35	Sonication-enabled rapid production of stable liquid metal nanoparticles grafted with poly(1-octadecene- <i>alt</i> -maleic anhydride) in aqueous solutions. <i>Nanoscale</i> , 2018, 10, 19871-19878.	2.8	98
36	Phase Behavior and Charge Regulation of Weak Polyelectrolyte Grafted Layers. <i>Physical Review Letters</i> , 2007, 98, 018302.	2.9	96

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37	Polymer Chain Relaxation: Surface Outpaces Bulk. <i>Macromolecules</i> , 2001, 34, 5081-5082.	2.2	94
38	Dispersion of cellulose crystallites by nonionic surfactants in a hydrophobic polymer matrix. <i>Polymer Engineering and Science</i> , 2009, 49, 2054-2061.	1.5	91
39	Salt-Induced Depression of Lower Critical Solution Temperature in a Surface-Grafted Neutral Thermoresponsive Polymer. <i>Macromolecular Rapid Communications</i> , 2006, 27, 697-701.	2.0	86
40	Swelling of Polyelectrolyte and Polyzwitterion Brushes by Humid Vapors. <i>Journal of the American Chemical Society</i> , 2014, 136, 12737-12745.	6.6	86
41	On-Demand Degrafting and the Study of Molecular Weight and Grafting Density of Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 11	1.6	84
42	Temperature Dependence of Molecular Orientation on the Surfaces of Semifluorinated Polymer Thin Films. <i>Langmuir</i> , 2000, 16, 1993-1997.	1.6	83
43	Surface-Bound Gradients for Studies of Soft Materials Behavior. <i>Annual Review of Materials Research</i> , 2012, 42, 435-468.	4.3	83
44	Computer simulation of copolymer phase behavior. <i>Journal of Chemical Physics</i> , 2002, 117, 10329-10338.	1.2	76
45	In Silico Polymerization: A Computer Simulation of Controlled Radical Polymerization in Bulk and on Flat Surfaces. <i>Macromolecules</i> , 2006, 39, 7157-7169.	2.2	76
46	Molecular Orientation and Grafting Density in Semifluorinated Self-Assembled Monolayers of Mono-, Di-, and Trichloro Silanes on Silica Substrates. <i>Langmuir</i> , 2002, 18, 9307-9311.	1.6	74
47	Hydrogel/Elastomer Laminates Bonded via Fabric Interphases for Stimuli-Responsive Actuators. <i>Matter</i> , 2019, 1, 674-689.	5.0	74
48	Computer Simulation of Controlled Radical Polymerization: Effect of Chain Confinement Due to Initiator Grafting Density and Solvent Quality in "Grafting From" Method. <i>Macromolecules</i> , 2010, 43, 9567-9577.	2.2	72
49	On the Surface Interactions of Proteins with Lignin. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 199-206.	4.0	71
50	Wetting of Substrates with Phase-Separated Binary Polymer Mixtures. <i>Physical Review Letters</i> , 1997, 78, 4946-4949.	2.9	70
51	Assembly of Nanoparticles using Surface-Grafted Orthogonal Polymer Gradients. <i>Macromolecular Rapid Communications</i> , 2004, 25, 270-274.	2.0	70
52	Alternative Fluoropolymers to Avoid the Challenges Associated with Perfluorooctanoic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 502-508.	1.8	69
53	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	1.1	69
54	Creating Responsive Surfaces with Tailored Wettability Switching Kinetics and Reconstruction Reversibility. <i>Journal of the American Chemical Society</i> , 2005, 127, 17610-17611.	6.6	68

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55	Generation and Properties of Antibacterial Coatings Based on Electrostatic Attachment of Silver Nanoparticles to Protein-Coated Polypropylene Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 5298-5306.	4.0	66
56	Adsorption of a Nonionic Symmetric Triblock Copolymer on Surfaces with Different Hydrophobicity. <i>Langmuir</i> , 2010, 26, 9565-9574.	1.6	63
57	Modification of Silicone Elastomer Surfaces with Zwitterionic Polymers: Short-Term Fouling Resistance and Triggered Biofouling Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25586-25591.	4.0	63
58	Antipathogenic properties and applications of low-dimensional materials. <i>Nature Communications</i> , 2021, 12, 3897.	5.8	63
59	Transfer of a chemical substrate pattern into an island-forming diblock copolymer film. <i>Journal of Chemical Physics</i> , 1999, 111, 11101-11110.	1.2	61
60	Salt-Induced Aggregation of Negatively Charged Gold Nanoparticles Confined in a Polymer Brush Matrix. <i>Macromolecules</i> , 2017, 50, 7333-7343.	2.2	61
61	Rapid formation of soft hydrophilic silicone elastomer surfaces. <i>Polymer</i> , 2005, 46, 9329-9341.	1.8	60
62	Evolution of Surface Morphologies in Multivariant Assemblies of Surface-Tethered Diblock Copolymers after Selective Solvent Treatment. <i>Langmuir</i> , 2005, 21, 11552-11555.	1.6	60
63	Computer Simulation of Concurrent Bulk- and Surface-Initiated Living Polymerization. <i>Macromolecules</i> , 2012, 45, 2128-2137.	2.2	60
64	Effect of ultraviolet/ozone treatment on the surface and bulk properties of poly(dimethyl siloxane) and poly(vinylmethyl siloxane) networks. <i>Polymer</i> , 2014, 55, 3107-3119.	1.8	59
65	Three-dimensional folding of pre-strained polymer sheets <i>via</i> absorption of laser light. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	58
66	Expanding the Polymer Mechanochemistry Toolbox through Surface-Initiated Polymerization. <i>ACS Macro Letters</i> , 2015, 4, 636-639.	2.3	58
67	Formation of surface-grafted copolymer brushes with continuous composition gradients. <i>Chemical Communications</i> , 2003, , 1350.	2.2	57
68	Accounting for Auger yield energy loss for improved determination of molecular orientation using soft x-ray absorption spectroscopy. <i>Journal of Applied Physics</i> , 2002, 92, 7070-7079.	1.1	56
69	Study of Kinetics and Macroinitiator Efficiency in Surface-Initiated Atom-Transfer Radical Polymerization. <i>Macromolecules</i> , 2006, 39, 9049-9056.	2.2	56
70	Molecular Orientation of Single and Two-Armed Monodendron Semifluorinated Chains on "Soft" and "Hard" Surfaces Studied Using NEXAFS. <i>Macromolecules</i> , 2000, 33, 6068-6077.	2.2	55
71	Combinatorial study of nanoparticle dispersion in surface-grafted macromolecular gradients. <i>Applied Surface Science</i> , 2006, 252, 2549-2554.	3.1	55
72	Direct Measurement of Molecular Weight and Grafting Density by Controlled and Quantitative Degrafting of Surface-Anchored Poly(methyl methacrylate). <i>ACS Macro Letters</i> , 2015, 4, 251-254.	2.3	55

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73	Orthogonal surface-grafted polymer gradients: A versatile combinatorial platform. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 3384-3394.	2.4	54
74	Poly(2-hydroxyethyl methacrylate) for Enzyme Immobilization: Impact on Activity and Stability of Horseradish Peroxidase. <i>Biomacromolecules</i> , 2011, 12, 1822-1830.	2.6	54
75	Brush/Gold Nanoparticle Hybrids: Effect of Grafting Density on the Particle Uptake and Distribution within Weak Polyelectrolyte Brushes. <i>Langmuir</i> , 2014, 30, 13033-13041.	1.6	54
76	Effect of Changing Molecular End Groups on Surface Properties: Synthesis and Characterization of Poly(styrene- <i>b</i> -semifluorinated isoprene) Block Copolymers with $\text{CF}_2\text{H}$ End Groups. <i>Macromolecules</i> , 2000, 33, 8012-8019.	2.2	53
77	Generation of functional PET microfibrils through surface-initiated polymerization. <i>Journal of Materials Chemistry</i> , 2012, 22, 5855.	6.7	53
78	Formation and Antifouling Properties of Amphiphilic Coatings on Polypropylene Fibers. <i>Biomacromolecules</i> , 2012, 13, 3769-3779.	2.6	53
79	Reactive patterning via post-functionalization of polymer brushes utilizing disuccinimidyl carbonate activation to couple primary amines. <i>Polymer</i> , 2008, 49, 3770-3779.	1.8	52
80	Surface-Initiated Polymerization by Means of Novel, Stable, Non-Ester-Based Radical Initiator. <i>Macromolecules</i> , 2012, 45, 3802-3815.	2.2	52
81	Toughening stretchable fibers via serial fracturing of a metallic core. <i>Science Advances</i> , 2019, 5, eaat4600.	4.7	52
82	Formation Mechanisms and Properties of Semifluorinated Molecular Gradients on Silica Surfaces. <i>Langmuir</i> , 2006, 22, 8532-8541.	1.6	49
83	Tuning Gold Nanoparticle-Poly(2-hydroxyethyl methacrylate) Brush Interactions: From Reversible Swelling to Capture and Release. <i>ACS Nano</i> , 2009, 3, 807-818.	7.3	48
84	Phase Behavior and Self-Assembly of Perfectly Sequence-Defined and Monodisperse Multiblock Copolypeptides. <i>Biomacromolecules</i> , 2017, 18, 599-609.	2.6	47
85	Preparing High-Density Polymer Brushes by Mechanically Assisted Polymer Assembly. <i>Macromolecules</i> , 2001, 34, 684-686.	2.2	46
86	Controllable curvature from planar polymer sheets in response to light. <i>Soft Matter</i> , 2017, 13, 2299-2308.	1.2	45
87	Temperature-Dependent Optical Properties of Gold Nanoparticles Coated with a Charged Diblock Copolymer and an Uncharged Triblock Copolymer. <i>ACS Nano</i> , 2010, 4, 1187-1201.	7.3	43
88	Opto-Mechanical Scission of Polymer Chains in Photosensitive Diblock-Copolymer Brushes. <i>Langmuir</i> , 2013, 29, 13967-13974.	1.6	43
89	Designing Pattern-Recognition Surfaces for Selective Adsorption of Copolymer Sequences Using Lattice Monte Carlo Simulation. <i>Physical Review Letters</i> , 2005, 94, 078103.	2.9	42
90	Propagating waves of self-assembly in organosilane monolayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10324-10329.	3.3	42

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91	Fast Directed Motion of "Fakir" Droplets. <i>Langmuir</i> , 2004, 20, 9893-9896.	1.6	41
92	Computer simulation study of probe-target hybridization in model DNA microarrays: Effect of probe surface density and target concentration. <i>Journal of Chemical Physics</i> , 2007, 127, 144912.	1.2	41
93	Nanomechanics of opposing glycosaminoglycan macromolecules. <i>Journal of Biomechanics</i> , 2005, 38, 1789-1797.	0.9	40
94	Effect of Comonomer Sequence Distribution on the Adsorption of Random Copolymers onto Impenetrable Flat Surfaces. <i>Macromolecules</i> , 2009, 42, 2843-2853.	2.2	40
95	Self-folding of polymer sheets using microwaves and graphene ink. <i>RSC Advances</i> , 2015, 5, 89254-89261.	1.7	40
96	Light-Induced Reversible Change of Roughness and Thickness of Photosensitive Polymer Brushes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19175-19184.	4.0	39
97	Influence of surface topography attributes on settlement and adhesion of natural and synthetic species. <i>Soft Matter</i> , 2019, 15, 4045-4067.	1.2	39
98	Influence of indium-tin oxide surface structure on the ordering and coverage of carboxylic acid and thiol monolayers. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 4212-4221.	1.3	38
99	Thermoresponsive PDMAEMA Brushes: Effect of Gold Nanoparticle Deposition. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10348-10358.	1.2	38
100	Formation of Polyampholyte Brushes via Controlled Radical Polymerization and Their Assembly in Solution. <i>Langmuir</i> , 2012, 28, 872-882.	1.6	37
101	Water-Wettable Polypropylene Fibers by Facile Surface Treatment Based on Soy Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6541-6548.	4.0	37
102	Swelling of Hydrophilic Polymer Brushes by Water and Alcohol Vapors. <i>Macromolecules</i> , 2016, 49, 4316-4329.	2.2	37
103	Modelling of shape memory polymer sheets that self-fold in response to localized heating. <i>Soft Matter</i> , 2015, 11, 7827-7834.	1.2	36
104	Orientations of Liquid Crystals in Contact with Surfaces that Present Continuous Gradients of Chemical Functionality. <i>Chemistry of Materials</i> , 2006, 18, 2357-2363.	3.2	34
105	Asphaltene Adsorption onto Self-Assembled Monolayers of Mixed Aromatic and Aliphatic Trichlorosilanes. <i>Langmuir</i> , 2009, 25, 6260-6269.	1.6	34
106	Making polymer brush photosensitive with azobenzene containing surfactants. <i>Polymer</i> , 2015, 79, 65-72.	1.8	34
107	Templating Surfaces with Gradient Assemblies. <i>Journal of Adhesion</i> , 2005, 81, 417-435.	1.8	33
108	Monte Carlo simulations of copolymer adsorption at planar chemically patterned surfaces: Effect of surface domain sizes. <i>Journal of Chemical Physics</i> , 2003, 119, 5274-5280.	1.2	32

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109	Tuning the number density of nanoparticles by multivariant tailoring of attachment points on flat substrates. <i>Nanotechnology</i> , 2007, 18, 025301.	1.3	32
110	Polymer Nanotubules Obtained by Layer-by-Layer Deposition within AAO Membrane Templates with Sub-100 nm Pore Diameters. <i>Small</i> , 2010, 6, 2683-2689.	5.2	32
111	Oligomer Orientation in Vapor-Molecular-Layer-Deposited Alkyl-Aromatic Polyamide Films. <i>Langmuir</i> , 2012, 28, 10464-10470.	1.6	32
112	Surface wrinkling by chemical modification of poly(dimethylsiloxane)-based networks during sputtering. <i>Soft Matter</i> , 2013, 9, 7797.	1.2	32
113	Asphaltene Adsorption onto Self-Assembled Monolayers of Alkyltrichlorosilanes of Varying Chain Length. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1347-1357.	4.0	31
114	Responsive PET Nano/Microfibers via Surface-Initiated Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 59-64.	4.0	31
115	“Grafting through” polymerization involving surface-bound monomers. <i>Journal of Polymer Science Part A</i> , 2016, 54, 263-274.	2.5	31
116	Drawing liquid metal wires at room temperature. <i>Extreme Mechanics Letters</i> , 2016, 7, 55-63.	2.0	31
117	Combinatorial near-edge x-ray absorption fine structure: Simultaneous determination of molecular orientation and bond concentration on chemically heterogeneous surfaces. <i>Applied Physics Letters</i> , 2003, 82, 266-268.	1.5	30
118	Computer Simulation Study of Molecular Recognition in Model DNA Microarrays. <i>Biophysical Journal</i> , 2006, 91, 2227-2236.	0.2	30
119	Simple geometric model to describe self-folding of polymer sheets. <i>Physical Review E</i> , 2014, 89, 042601.	0.8	30
120	Formation of surface-grafted polymeric amphiphilic coatings comprising ethylene glycol and fluorinated groups and their response to protein adsorption. <i>Biointerphases</i> , 2009, 4, FA33-FA44.	0.6	29
121	Formation of silicone elastomer networks films with gradients in modulus. <i>Polymer</i> , 2010, 51, 763-773.	1.8	29
122	Generation of Functional Coatings on Hydrophobic Surfaces through Deposition of Denatured Proteins Followed by Grafting from Polymerization. <i>Biomacromolecules</i> , 2012, 13, 1371-1382.	2.6	29
123	Surface-Bound Microgels for Separation, Sensing, and Biomedical Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2104164.	7.8	29
124	Using spectroscopic ellipsometry for quick prediction of number density of nanoparticles bound to non-transparent solid surfaces. <i>Surface Science</i> , 2005, 596, 187-196.	0.8	28
125	Study of the Packing Density and Molecular Orientation of Bimolecular Self-Assembled Monolayers of Aromatic and Aliphatic Organosilanes on Silica. <i>Langmuir</i> , 2007, 23, 673-683.	1.6	28
126	Rapid Removal of Organics and Oil Spills from Waters Using Silicone Rubber “Sponges”. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 318-327.	1.3	27



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127	Instability of Surface-Grafted Weak Polyacid Brushes on Flat Substrates. <i>Macromolecules</i> , 2015, 48, 5677-5687.	2.2	27
128	Amidation of Polyesters Is Slow in Nonaqueous Solvents: Efficient Amidation of Poly(ethylene) Terephthalate in Organic Solvents. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 35641-35649.	4.0	27
129	Effect of Molecular Weight on the Interfacial Excess, Tension, and Width in a Homopolymer/Binary Polymer Blend System. <i>Macromolecules</i> , 1998, 31, 870-878.	2.2	26
130	Mapping Surface Chemistry and Molecular Orientation with Combinatorial Near-Edge X-Ray Absorption Fine Structure Spectroscopy. <i>Macromolecular Rapid Communications</i> , 2004, 25, 141-149.	2.0	26
131	Nonequilibrium Model for Sorption and Swelling of Bulk Glassy Polymer Films with Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2005, 38, 10299-10313.	2.2	26
132	Influence of gradient strength and composition profile on the onset of the cloud point transition in hydroxyethyl methacrylate/dimethylaminoethyl methacrylate gradient copolymers. <i>Polymer</i> , 2012, 53, 1131-1137.	1.8	26
133	Processing of Polyamide 11 with Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 5570-5577.	1.8	25
134	Effect of Solvent Quality and Chain Confinement on the Kinetics of Polystyrene Bromination. <i>Macromolecules</i> , 2008, 41, 6719-6727.	2.2	25
135	Formation and Properties of Responsive Siloxane-Based Polymeric Surfaces with Tunable Surface Reconstruction Kinetics. <i>Advanced Functional Materials</i> , 2009, 19, 460-469.	7.8	25
136	Adsorption of Glycinin and $\beta$ -Conglycinin on Silica and Cellulose: Surface Interactions as a Function of Denaturation, pH, and Electrolytes. <i>Biomacromolecules</i> , 2012, 13, 387-396.	2.6	25
137	Progress in Computer Simulation of Bulk, Confined, and Surface-Initiated Polymerizations. <i>Macromolecular Theory and Simulations</i> , 2013, 22, 8-30.	0.6	25
138	Polymer brushes modified by photosensitive azobenzene containing polyamines. <i>Polymer</i> , 2016, 98, 421-428.	1.8	25
139	Formation of Self-Assembled Monolayers of Semifluorinated and Hydrocarbon Chlorosilane Precursors on Silica Surfaces from Liquid Carbon Dioxide. <i>Langmuir</i> , 2002, 18, 6170-6179.	1.6	24
140	Surface Properties of Poly[2-(perfluorooctyl)ethyl acrylate] Deposited from Liquid CO <sub>2</sub> High-Pressure Free Meniscus Coating. <i>Macromolecules</i> , 2007, 40, 588-597.	2.2	24
141	Cloud point suppression in dilute solutions of model gradient copolymers with prespecified composition profiles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 629-637.	2.4	24
142	Phase behavior of gradient copolymer solutions: a Monte Carlo simulation study. <i>Soft Matter</i> , 2012, 8, 6471.	1.2	24
143	Copolymer adsorption on planar substrates with a random distribution of chemical heterogeneities. <i>Journal of Chemical Physics</i> , 2001, 115, 4873-4882.	1.2	23
144	Self-consistent field study of copolymer adsorption at planar chemically "rough" surfaces: an interplay between the substrate chemical pattern and copolymer sequence distribution. <i>Advances in Colloid and Interface Science</i> , 2001, 94, 105-134.	7.0	22

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145	Formation and properties of multivariant assemblies of surface-tethered diblock and triblock copolymers. <i>Polymer</i> , 2008, 49, 4837-4845.	1.8	22
146	Adsorption of PEO- <i>b</i> -PPO- <i>b</i> -PEO Triblock Copolymers with End-Capped Cationic Chains of Poly(2-dimethylaminoethyl methacrylate). <i>Langmuir</i> , 2011, 27, 9769-9780.	1.6	22
147	Polymer Brush/Metal Nanoparticle Hybrids for Optical Sensor Applications: from Self-Assembly to Tailored Functions and Nanoengineering. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1089-1117.	1.4	22
148	Characterization of Monolayer Formation on Aluminum-Doped Zinc Oxide Thin Films. <i>Langmuir</i> , 2008, 24, 433-440.	1.6	21
149	Photochromic materials with tunable color and mechanical flexibility. <i>Soft Matter</i> , 2011, 7, 3766-3774.	1.2	21
150	Effect of gold nanoparticle hydrophobicity on thermally induced color change of PNIPAM brush/gold nanoparticle hybrids. <i>Polymer</i> , 2016, 98, 454-463.	1.8	21
151	Self-Folding of Thick Polymer Sheets Using Gradients of Heat. <i>Journal of Mechanisms and Robotics</i> , 2016, 8, .	1.5	21
152	A fully coupled thermo-viscoelastic finite element model for self-folding shape memory polymer sheets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1207-1219.	2.4	21
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