

Jan Genzer

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.

280
papers

17,095
citations

55
h-index

125
g-index

291
ext. papers

18,544
ext. citations

6
avg, IF

6.88
L-index

#	Paper	IF	Citations
280	Deposition of silicate coatings on poly(ethylene terephthalate) for improved scratch and solvent resistance. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51800	2.9	
279	Direct measurement of rate-dependent mode I and mode II traction-separation laws for cohesive zone modeling of laminated glass. <i>Composite Structures</i> , 2022 , 279, 114759	5.3	1
278	Continuous Ligand-Free SuzukiMiyaura Cross-Coupling Reactions in a Cartridge Flow Reactor Using a Gel-Supported Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 9418-9428	3.9	3
277	Functional Gels Containing Hydroxamic Acid Degrade Organophosphates in Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8799-8811	3.9	0
276	Antipathogenic properties and applications of low-dimensional materials. <i>Nature Communications</i> , 2021 , 12, 3897	17.4	17
275	DFT Analysis of Organotin Catalytic Mechanisms in Dehydration Esterification Reactions for Terephthalic Acid and 2,2,4,4-Tetramethyl-1,3-cyclobutanediol. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 4943-4956	2.8	
274	UV- and Thermally-Active Bifunctional Gelators Create Surface-Anchored Polymer Networks. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100266	4.8	3
273	Dynamic Surfaces-Degradable Polyester Networks that Resist Protein Adsorption. <i>Langmuir</i> , 2021 , 37, 8978-8988	4	0
272	Stiff or Extensible in Seconds: Light-Induced Corrugations in Thin Polymer Sheets. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000789	6.8	1
271	Dual-Responsive Microgels for Structural Repair and Recovery of Nonwoven Membranes for Liquid Filtration. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1508-1517	4.3	2
270	Novel computational design of high refractive index nanocomposites and effective refractive index tuning based on nanoparticle morphology effect. <i>Composites Part B: Engineering</i> , 2021 , 223, 109128	10	0
269	Counterpropagating Gradients of Antibacterial and Antifouling Polymer Brushes.. <i>Biomacromolecules</i> , 2021 ,	6.9	4
268	Effect of surface interactions on the settlement of particles on a sinusoidally corrugated substrate.. <i>RSC Advances</i> , 2020 , 10, 11348-11356	3.7	3
267	Controlled heating and alignment platform enhances versatility in colloidal probe fabrication. <i>Review of Scientific Instruments</i> , 2020 , 91, 013903	1.7	
266	Extending the fused-sphere SAFT- Γ Mie force field parameterization approach to poly(vinyl butyral) copolymers. <i>Journal of Chemical Physics</i> , 2020 , 152, 044903	3.9	4
265	Charge Density Gradients of Polymer Thin Film by Gaseous Phase Quaternization. <i>ACS Macro Letters</i> , 2020 , 9, 158-162	6.6	2
264	Design of High Efficient Mid-Wavelength Infrared Polarizer on ORMOCALC Polymer. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000033	3.9	6

263	Application of a Laser Cutter to Pattern Wrinkles on Polymer Films. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 1848-1855	4.3	2
262	Attributes, Fabrication, and Applications of Gallium-Based Liquid Metal Particles. <i>Advanced Science</i> , 2020 , 7, 2000192	13.6	85
261	Packing density, homogeneity, and regularity: Quantitative correlations between topology and thermoresponsive morphology of PNIPAM-co-PAA microgel coatings. <i>Applied Surface Science</i> , 2020 , 508, 145129	6.7	6
260	Dependence of deposition method on the molecular structure and stability of organosilanes revealed from degrafting by tetrabutylammonium fluoride. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 658-666	3.6	2
259	Nonwoven fiber mats with thermo-responsive permeability to inorganic and organic electrolytes. <i>Journal of Membrane Science</i> , 2020 , 616, 118439	9.6	8
258	Enhanced mid-wavelength infrared refractive index of organically modified chalcogenide (ORMOCHALC) polymer nanocomposites with thermomechanical stability. <i>Optical Materials</i> , 2020 , 108, 110197	3.3	7
257	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000216	2.6	36
256	Effect of Poly(vinyl butyral) Comonomer Sequence on Adhesion to Amorphous Silica: A Coarse-Grained Molecular Dynamics Study. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47879-47890	9.5	5
255	Network-supported, metal-mediated catalysis: progress and perspective. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 1892-1902	4.9	2
254	Mechanochemical Degrafting of a Surface-Tethered Poly(acrylic acid) Brush Promoted Etching of Its Underlying Silicon Substrate. <i>Langmuir</i> , 2019 , 35, 13693-13699	4	1
253	Light-Induced Structuring of Photosensitive Polymer Brushes. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 3017-3026	4.3	6
252	Thermally driven directional free-radical polymerization in confined channels. <i>Polymer Chemistry</i> , 2019 , 10, 920-925	4.9	0
251	Development of a fused-sphere SAFT-Mie force field for poly(vinyl alcohol) and poly(ethylene). <i>Journal of Chemical Physics</i> , 2019 , 150, 034901	3.9	10
250	Influence of surface topography attributes on settlement and adhesion of natural and synthetic species. <i>Soft Matter</i> , 2019 , 15, 4045-4067	3.6	27
249	Shrink Films Get a Grip. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1088-1095	4.3	6
248	Toughening stretchable fibers via serial fracturing of a metallic core. <i>Science Advances</i> , 2019 , 5, eaat4600	4.3	38
247	Spontaneous Degrafting of Weak and Strong Polycationic Brushes in Aqueous Buffer Solutions. <i>Macromolecules</i> , 2019 , 52, 6192-6200	5.5	7
246	Hydrogel/Elastomer Laminates Bonded via Fabric Interphases for Stimuli-Responsive Actuators. <i>Matter</i> , 2019 , 1, 674-689	12.7	45

245	Determining Water Sorption and Desorption in Thin Hydrophilic Polymer Films by Thermal Treatment. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2495-2502	4.3	4
244	Computer Simulation of Surface-Initiated Controlled Radical Polymerization: Effect of Free-Monomer Model on Brush Properties. <i>Macromolecular Theory and Simulations</i> , 2019 , 28, 1900033	1.5	8
243	Generating Surface-Anchored Zwitterionic Networks and Studying Their Resistance to Bovine Serum Albumin Adsorption. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 3323-3333	4.3	3
242	Liquid Metal Nanoparticles as Initiators for Radical Polymerization of Vinyl Monomers. <i>ACS Macro Letters</i> , 2019 , 8, 1522-1527	6.6	44
241	Thermo-mechanical transformation of shape memory polymers from initially flat discs to bowls and saddles. <i>Smart Materials and Structures</i> , 2019 , 28, 045011	3.4	14
240	Thermally Activated One-Pot, Simultaneous Radical and Condensation Reactions Generate Surface-Anchored Network Layers from Common Polymers. <i>Macromolecules</i> , 2019 , 52, 700-707	5.5	6
239	Fabrication of Flexible Hydrogel Sheets Featuring Periodically Spaced Circular Holes with Continuously Adjustable Size in Real Time. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30844-30851	9.5	5
238	Adsorption of size-polydisperse particles on sinusoidally corrugated surfaces. <i>Molecular Simulation</i> , 2018 , 44, 494-506	2	2
237	Sonication-enabled rapid production of stable liquid metal nanoparticles grafted with poly(1-octadecene-alt-maleic anhydride) in aqueous solutions. <i>Nanoscale</i> , 2018 , 10, 19871-19878	7.7	58
236	Kinetic Study of Degrafting Poly(methyl methacrylate) Brushes from Flat Substrates by Tetrabutylammonium Fluoride. <i>Macromolecules</i> , 2018 , 51, 10237-10245	5.5	5
235	Shape memory polymers for self-folding via compression of thermoplastic sheets. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46889	2.9	2
234	Visualization of Mechanochemically-Assisted Degrafting of Surface-Tethered Poly(Acrylic Acid) Brushes. <i>ACS Macro Letters</i> , 2018 , 7, 609-613	6.6	6
233	Phase Behavior and Self-Assembly of Perfectly Sequence-Defined and Monodisperse Multiblock Copolypeptides. <i>Biomacromolecules</i> , 2017 , 18, 599-609	6.9	37
232	Controllable curvature from planar polymer sheets in response to light. <i>Soft Matter</i> , 2017 , 13, 2299-2308	3.6	34
231	Shape-transformable liquid metal nanoparticles in aqueous solution. <i>Chemical Science</i> , 2017 , 8, 3832-3837	7.4	104
230	Effect of Network Density in Surface-Anchored Poly(N-isopropylacrylamide) Hydrogels on Adsorption of Fibrinogen. <i>Langmuir</i> , 2017 , 33, 1974-1983	4	13
229	Sequential self-folding of polymer sheets. <i>Science Advances</i> , 2017 , 3, e1602417	14.3	183
228	Further Insight into the Mechanism of Poly(styrene-co-methyl methacrylate) Microsphere Formation. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2249-2259	2.5	2

227	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	2.6	15
226	Sensors: Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers (Adv. Funct. Mater. 20/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	2
225	Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers. <i>Advanced Functional Materials</i> , 2017 , 27, 1605630	15.6	171
224	Enhanced Stability of Surface-Tethered Diblock Copolymer Brushes with a Neutral Polymer Block and a Weak Polyelectrolyte Block: Effects of Molecular Weight and Hydrophobicity of the Neutral Block. <i>Macromolecules</i> , 2017 , 50, 8580-8587	5.5	14
223	Salt-Induced Aggregation of Negatively Charged Gold Nanoparticles Confined in a Polymer Brush Matrix. <i>Macromolecules</i> , 2017 , 50, 7333-7343	5.5	37
222	Vacuum filling of complex microchannels with liquid metal. <i>Lab on A Chip</i> , 2017 , 17, 3043-3050	7.2	107
221	Vapor Swelling of Hydrophilic Polymer Brushes 2017 , 243-266		
220	Effects of thermo-mechanical behavior and hinge geometry on folding response of shape memory polymer sheets. <i>Journal of Applied Physics</i> , 2017 , 122, 195103	2.5	9
219	Design and Fabrication of Wettability Gradients with Tunable Profiles through Degrafting Organosilane Layers from Silica Surfaces by Tetrabutylammonium Fluoride. <i>Langmuir</i> , 2017 , 33, 14556-14564	4.564	9
218	Targeted Mutagenesis and Combinatorial Library Screening Enables Control of Protein Orientation on Surfaces and Increased Activity of Adsorbed Proteins. <i>Langmuir</i> , 2016 , 32, 8660-7	4	4
217	Affinity interactions of human immunoglobulin G with short peptides: role of ligand spacer on binding, kinetics, and mass transfer. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 1829-41	4.4	11
216	Effect of gold nanoparticle hydrophobicity on thermally induced color change of PNIPAM brush/gold nanoparticle hybrids. <i>Polymer</i> , 2016 , 98, 454-463	3.9	17
215	Multipurpose Polymeric Coating for Functionalizing Inert Polymer Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5694-705	9.5	7
214	Self-Folding of Thick Polymer Sheets Using Gradients of Heat. <i>Journal of Mechanisms and Robotics</i> , 2016 , 8,	2.2	16
213	Polymer brushes modified by photosensitive azobenzene containing polyamines. <i>Polymer</i> , 2016 , 98, 4213-428	3.28	25
212	2D or not 2D—Shape-programming polymer sheets. <i>Progress in Polymer Science</i> , 2016 , 52, 79-106	29.6	242
211	RAFT through polymerization involving surface-bound monomers. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 263-274	2.5	21
210	Surface-Anchored Poly(-isopropylacrylamide) Orthogonal Gradient Networks. <i>Macromolecules</i> , 2016 , 49, 5076-5083	5.5	13

209	Light-Induced Reversible Change of Roughness and Thickness of Photosensitive Polymer Brushes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19175-84	9.5	35
208	Amidation of Polyesters Is Slow in Nonaqueous Solvents: Efficient Amidation of Poly(ethylene terephthalate) with 3-Aminopropyltriethoxysilane in Water for Generating Multifunctional Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35641-35649	9.5	18
207	Swelling of Hydrophilic Polymer Brushes by Water and Alcohol Vapors. <i>Macromolecules</i> , 2016 , 49, 4316-4329	5.3	25
206	Drawing liquid metal wires at room temperature. <i>Extreme Mechanics Letters</i> , 2016 , 7, 55-63	3.9	23
205	Thermoresponsive PDMAEMA Brushes: Effect of Gold Nanoparticle Deposition. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10348-58	3.4	34
204	Instability of Surface-Grafted Weak Polyacid Brushes on Flat Substrates. <i>Macromolecules</i> , 2015 , 48, 5677-5687	5.9	18
203	Film-Stabilizing Attributes of Polymeric Core-Shell Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 7940-9	16.7	8
202	Proteinlike copolymers as encapsulating agents for small-molecule solutes. <i>Langmuir</i> , 2015 , 31, 3518-264		9
201	Making polymer brush photosensitive with azobenzene containing surfactants. <i>Polymer</i> , 2015 , 79, 65-72	3.9	32
200	Creating surface patterns of polymer brushes by degrafting via tetrabutyl ammonium fluoride. <i>RSC Advances</i> , 2015 , 5, 86120-86125	3.7	8
199	Self-folding of polymer sheets using microwaves and graphene ink. <i>RSC Advances</i> , 2015 , 5, 89254-89261	3.7	29
198	Modelling of shape memory polymer sheets that self-fold in response to localized heating. <i>Soft Matter</i> , 2015 , 11, 7827-34	3.6	25
197	Modification of Silicone Elastomer Surfaces with Zwitterionic Polymers: Short-Term Fouling Resistance and Triggered Biofouling Release. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25586-91	9.5	50
196	Beyond microstructures: Using the Kerr Effect to characterize the macrostructures of synthetic polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 155-166	2.6	11
195	Buckled Topography to Enhance Light Absorption in Thin Film Organic Photovoltaics Comprising CuPc/C60 Bilayer Laminates. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015 , 229,	3.1	3
194	Handwritten, Soft Circuit Boards and Antennas Using Liquid Metal Nanoparticles. <i>Small</i> , 2015 , 11, 6397-403	4.0	160
193	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,	3.1	21
192	Expanding the Polymer Mechanochemistry Toolbox through Surface-Initiated Polymerization. <i>ACS Macro Letters</i> , 2015 , 4, 636-639	6.6	47

191	On-demand degrafting and the study of molecular weight and grafting density of poly(methyl methacrylate) brushes on flat silica substrates. <i>Langmuir</i> , 2015 , 31, 2372-81	4	68
190	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	6.6	45
189	Self-Folding Origami Microstrip Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5416-5419	6.5	180
188	Adsorption of multiple spherical particles onto sinusoidally corrugated substrates. <i>Langmuir</i> , 2014 , 30, 9407-17	4	6
187	Brush/gold nanoparticle hybrids: effect of grafting density on the particle uptake and distribution within weak polyelectrolyte brushes. <i>Langmuir</i> , 2014 , 30, 13033-41	4	45
186	Swelling of polyelectrolyte and polyzwitterion brushes by humid vapors. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12737-45	16.4	76
185	Evolution of homopolymer thin-film instability on surface-anchored diblock copolymers varying in composition. <i>Langmuir</i> , 2014 , 30, 11689-95	4	5
184	Three-dimensional folding of pre-strained polymer sheets via absorption of laser light. <i>Journal of Applied Physics</i> , 2014 , 115, 204911	2.5	49
183	In-plane deformation of shape memory polymer sheets programmed using only scissors. <i>Polymer</i> , 2014 , 55, 5948-5952	3.9	7
182	Adsorption of "soft" spherical particles onto sinusoidally-corrugated substrates. <i>Soft Matter</i> , 2014 , 10, 7452-8	3.6	7
181	Simple geometric model to describe self-folding of polymer sheets. <i>Physical Review E</i> , 2014 , 89, 042601	2.4	23
180	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	3.9	47
179	Toward the development of a versatile functionalized silicone coating. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22544-52	9.5	14
178	Thiol-containing polymeric embedding materials for nanoskiving. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 121-130	7.1	15
177	Opto-mechanical scission of polymer chains in photosensitive diblock-copolymer brushes. <i>Langmuir</i> , 2013 , 29, 13967-74	4	40
176	On the surface interactions of proteins with lignin. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 199-206	3.6	58
175	Surface wrinkling by chemical modification of poly(dimethylsiloxane)-based networks during sputtering. <i>Soft Matter</i> , 2013 , 9, 7797	3.6	30
174	Self-assembly fronts in collision: impinging ordering organosilane layers. <i>Soft Matter</i> , 2013 , 9, 2493	3.6	3

173	Microfluidic channels fabricated from poly(vinylmethylsiloxane) networks that resist swelling by organic solvents. <i>Lab on A Chip</i> , 2013 , 13, 4317-20	7.2	5
172	Generation and properties of antibacterial coatings based on electrostatic attachment of silver nanoparticles to protein-coated polypropylene fibers. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5298-306	9.5	57
171	Effect of Protein-like Copolymers Composition on the Phase Separation Dynamics of a Polymer Blend: A Monte Carlo Simulation. <i>Macromolecules</i> , 2013 , 46, 4207-4214	5.5	5
170	Computer Simulation of Template Polymerization Using a Controlled Reaction Scheme. <i>Macromolecules</i> , 2013 , 46, 2474-2484	5.5	4
169	Elastomeric microparticles for acoustic mediated bioseparations. <i>Journal of Nanobiotechnology</i> , 2013 , 11, 22	9.4	140
168	Water-wettable polypropylene fibers by facile surface treatment based on soy proteins. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6541-8	9.5	35
167	Progress in Computer Simulation of Bulk, Confined, and Surface-initiated Polymerizations. <i>Macromolecular Theory and Simulations</i> , 2013 , 22, 8-30	1.5	21
166	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	3.9	23
165	Applications of surface-grafted macromolecules derived from post-polymerization modification reactions. <i>Progress in Polymer Science</i> , 2012 , 37, 871-906	29.6	115
164	Directed Assembly of Block Copolymer Films: Effects of Rough Substrates and Thermal Fields 2012 , 257-278		
163	Gradient Libraries: Harnessing a Ubiquitous Phenomenon to Accelerate Experimentation 2012 , 1-18		
162	Hydrogel Gradients by Self-Initiated Photografting and Photopolymerization: Preparation, Characterization, and Protein Interactions 2012 , 279-302		1
161	Polymer Gradients: Responsive Grafted Layers 2012 , 303-328		
160	Bioactive Self-Assembled Monolayer Gradients 2012 , 329-363		1
159	Morphology Gradients on Different Size Scales and Their Application in Biological Studies 2012 , 365-381		
158	Motion of Drops on Gradient Surfaces 2012 , 407-429		5
157	Classification of Key Attributes of Soft Material Gradients 2012 , 19-46		
156	Discovery and Optimization of Sensing Materials Using Discrete and Gradient Arrays 2012 , 47-92		

155	Gradient Assembly of Complex Surfaces for Sensing, Fabrication, and High Throughput Analysis 2012 , 145-198		
154	Electrochemical Mapping for Polymer Chemical and Physical Gradients 2012 , 229-256		
153	Continuous Infusion Microchannel Approach to Generate Composition Gradients from Viscous Polymer Solutions 2012 , 129-143		1
152	Determining the Polydispersity in Chemical Composition and Monomer Sequence Distribution in Random Copolymers Prepared by Postpolymerization Modification of Homopolymers. <i>ACS Macro Letters</i> , 2012 , 1, 1128-1133	6.6	5
151	Responsive PET nano/microfibers via surface-initiated polymerization. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 59-64	9.5	26
150	Generation of functional PET microfibers through surface-initiated polymerization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5855		47
149	Self-folding of polymer sheets using local light absorption. <i>Soft Matter</i> , 2012 , 8, 1764-1769	3.6	393
148	Phase behavior of gradient copolymer solutions: a Monte Carlo simulation study. <i>Soft Matter</i> , 2012 , 8, 6471	3.6	22
147	Oligomer orientation in vapor-molecular-layer-deposited alkyl-aromatic polyamide films. <i>Langmuir</i> , 2012 , 28, 10464-70	4	30
146	Computer Simulation of Concurrent Bulk- and Surface-Initiated Living Polymerization. <i>Macromolecules</i> , 2012 , 45, 2128-2137	5.5	49
145	Formation of polyampholyte brushes via controlled radical polymerization and their assembly in solution. <i>Langmuir</i> , 2012 , 28, 872-82	4	36
144	Adsorption of glycinin and β -conglycinin on silica and cellulose: surface interactions as a function of denaturation, pH, and electrolytes. <i>Biomacromolecules</i> , 2012 , 13, 387-96	6.9	21
143	Experimental and computational study of the effect of alcohols on the solution and adsorption properties of a nonionic symmetric triblock copolymer. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 1289-98	3.4	9
142	Creating Functional Materials by Chemical and Physical Functionalization of Silicone Elastomer Networks. <i>Advances in Silicon Science</i> , 2012 , 59-94		1
141	The effect of confinement on thermal frontal polymerization. <i>Polymer Chemistry</i> , 2012 , 3, 3243	4.9	8
140	Surface-Bound Gradients for Studies of Soft Materials Behavior. <i>Annual Review of Materials Research</i> , 2012 , 42, 435-468	12.8	79
139	Time dependence of lysozyme adsorption on end-grafted polymer layers of variable grafting density and length. <i>Langmuir</i> , 2012 , 28, 2122-30	4	16
138	Generation of functional coatings on hydrophobic surfaces through deposition of denatured proteins followed by grafting from polymerization. <i>Biomacromolecules</i> , 2012 , 13, 1371-82	6.9	27

137	Surface-Initiated Polymerization by Means of Novel, Stable, Non-Ester-Based Radical Initiator. <i>Macromolecules</i> , 2012 , 45, 3802-3815	5.5	42
136	Formation and antifouling properties of amphiphilic coatings on polypropylene fibers. <i>Biomacromolecules</i> , 2012 , 13, 3769-79	6.9	49
135	Colliding Self-Assembly Waves in Organosilane Monolayers 2012 , 93-107		
134	Orientational Anchoring of Liquid Crystals on Surfaces Presenting Continuous Gradients in Composition 2012 , 109-128		
133	Interfacial stabilization of bilayered nanolaminates by asymmetric block copolymers. <i>Applied Physics Letters</i> , 2012 , 100, 101602	3.4	3
132	Molecularly Defined Peptide Spacing Gradients for Cell Guidance 2012 , 383-405		
131	Making Gradient Patterns by Electron-Beam Chemical Lithography with Monomolecular Resists 2012 , 199-227		3
130	Poly(2-hydroxyethyl methacrylate) for enzyme immobilization: impact on activity and stability of horseradish peroxidase. <i>Biomacromolecules</i> , 2011 , 12, 1822-30	6.9	51
129	Multilayers of weak polyelectrolytes of low and high molecular mass assembled on polypropylene and self-assembled hydrophobic surfaces. <i>Langmuir</i> , 2011 , 27, 4541-50	4	16
128	Photochromic materials with tunable color and mechanical flexibility. <i>Soft Matter</i> , 2011 , 7, 3766-3774	3.6	18
127	Simultaneous bulk- and surface-initiated controlled radical polymerization from planar substrates. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17567-9	16.4	96
126	Effect of copolymer compatibilizer sequence on the dynamics of phase separation of immiscible binary homopolymer blends. <i>Soft Matter</i> , 2011 , 7, 10620	3.6	13
125	Phase Separation Dynamics for a Polymer Blend Compatibilized by Protein-like Copolymers: A Monte Carlo Simulation. <i>Macromolecules</i> , 2011 , 44, 8284-8293	5.5	13
124	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	2.6	22
123	Charge- and temperature-dependent interactions between anionic poly(N-isopropylacrylamide) polymers in solution and a cationic surfactant at the water/air interface. <i>Soft Matter</i> , 2011 , 7, 8498	3.6	5
122	Poly(vinylmethylsiloxane) elastomer networks as functional materials for cell adhesion and migration studies. <i>Biomacromolecules</i> , 2011 , 12, 1265-71	6.9	13
121	Block copolymer self-organization vs. interfacial modification in bilayered thin-film laminates. <i>Soft Matter</i> , 2011 , 7, 3268	3.6	14
120	Metallothionein-inspired prototype of molecular pincer. <i>Chemical Communications</i> , 2011 , 47, 8067-9	5.8	1

119	Adsorption of PEO-PPO-PEO triblock copolymers with end-capped cationic chains of poly(2-dimethylaminoethyl methacrylate). <i>Langmuir</i> , 2011 , 27, 9769-80	4	19
118	Emerging applications of stimuli-responsive polymer materials. <i>Nature Materials</i> , 2010 , 9, 101-13	27	4474
117	Glass Transition Temperatures of Styrene/4-BrStyrene Copolymers with Variable Co-Monomer Compositions and Sequence Distributions. <i>Macromolecules</i> , 2010 , 43, 6912-6914	5.5	10
116	Temperature-dependent optical properties of gold nanoparticles coated with a charged diblock copolymer and an uncharged triblock copolymer. <i>ACS Nano</i> , 2010 , 4, 1187-201	16.7	38
115	Simulation of Mechanically-Assembled Monolayers In Poor Solvent Using Discontinuous Molecular Dynamics. <i>Macromolecules</i> , 2010 , 43, 3072-3080	5.5	
114	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	5.5	66
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