

Jan Genzer

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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	Emerging applications of stimuli-responsive polymer materials. <i>Nature Materials</i> , 2010 , 9, 101-13	27	4474
279	Recent developments in superhydrophobic surfaces and their relevance to marine fouling: a review. <i>Biofouling</i> , 2006 , 22, 339-60	3.3	899
278	Soft matter with hard skin: From skin wrinkles to templating and material characterization. <i>Soft Matter</i> , 2006 , 2, 310-323	3.6	706
277	Nested self-similar wrinkling patterns in skins. <i>Nature Materials</i> , 2005 , 4, 293-7	27	662
276	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, 306-15	9.3	602
275	Self-folding of polymer sheets using local light absorption. <i>Soft Matter</i> , 2012 , 8, 1764-1769	3.6	393
274	Surface-bound soft matter gradients. <i>Langmuir</i> , 2008 , 24, 2294-317	4	316
273	Combinatorial study of the mushroom-to-brush crossover in surface anchored polyacrylamide. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9394-5	16.4	261
272	2D or not 2D—Shape-programming polymer sheets. <i>Progress in Polymer Science</i> , 2016 , 52, 79-106	29.6	242
271	Behavior of Surface-Anchored Poly(acrylic acid) Brushes with Grafting Density Gradients on Solid Substrates: 1. Experiment. <i>Macromolecules</i> , 2007 , 40, 8756-8764	5.5	217
270	Development and testing of hierarchically wrinkled coatings for marine antifouling. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1031-40	9.5	208
269	Sequential self-folding of polymer sheets. <i>Science Advances</i> , 2017 , 3, e1602417	14.3	183
268	Formation and Properties of Anchored Polymers with a Gradual Variation of Grafting Densities on Flat Substrates. <i>Macromolecules</i> , 2003 , 36, 2448-2453	5.5	172
267	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
266	Handwritten, Soft Circuit Boards and Antennas Using Liquid Metal Nanoparticles. <i>Small</i> , 2015 , 11, 6397-403		160
265	Elastomeric microparticles for acoustic mediated bioseparations. <i>Journal of Nanobiotechnology</i> , 2013 , 11, 22	9.4	140
264	Behavior of Surface-Anchored Poly(acrylic acid) Brushes with Grafting Density Gradients on Solid Substrates: 2. Theory. <i>Macromolecules</i> , 2007 , 40, 8765-8773	5.5	137

263	Biological and Synthetic Self-Cleaning Surfaces. <i>MRS Bulletin</i> , 2008 , 33, 742-746	3.2	134
262	Computer Simulation of Block Copolymer/Nanoparticle Composites. <i>Macromolecules</i> , 2005 , 38, 3007-3016	5.5	129
261	Controlling the assembly of nanoparticles using surface grafted molecular and macromolecular gradients. <i>Nanotechnology</i> , 2003 , 14, 1145-1152	3.4	120
260	Applications of surface-grafted macromolecules derived from post-polymerization modification reactions. <i>Progress in Polymer Science</i> , 2012 , 37, 871-906	29.6	115
259	Surface-Grafted Polymer Gradients: Formation, Characterization, and Applications	51-124	110
258	The Orientation of Semifluorinated Alkanes Attached to Polymers at the Surface of Polymer Films. <i>Macromolecules</i> , 2000 , 33, 1882-1887	5.5	109
257	Vacuum filling of complex microchannels with liquid metal. <i>Lab on A Chip</i> , 2017 , 17, 3043-3050	7.2	107
256	Shape-transformable liquid metal nanoparticles in aqueous solution. <i>Chemical Science</i> , 2017 , 8, 3832-3837	7.4	104
255	Surface Stability in Liquid-Crystalline Block Copolymers with Semifluorinated Monodendron Side Groups. <i>Macromolecules</i> , 2000 , 33, 6106-6119	5.5	103
254	Formation of Grafted Macromolecular Assemblies with a Gradual Variation of Molecular Weight on Solid Substrates. <i>Macromolecules</i> , 2003 , 36, 3449-3451	5.5	101
253	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
252	Application of ion scattering techniques to characterize polymer surfaces and interfaces. <i>Materials Science and Engineering Reports</i> , 2002 , 38, 107-180	30.9	94
251	Fabricating Planar Nanoparticle Assemblies with Number Density Gradients. <i>Langmuir</i> , 2002 , 18, 5640-5643	4.3	94
250	Effect of Substrate Geometry on Polymer Molecular Weight and Polydispersity during Surface-Initiated Polymerization. <i>Macromolecules</i> , 2008 , 41, 4856-4865	5.5	92
249	Polymer Chain Relaxation: Surface Outpaces Bulk. <i>Macromolecules</i> , 2001 , 34, 5081-5082	5.5	89
248	Phase behavior and charge regulation of weak polyelectrolyte grafted layers. <i>Physical Review Letters</i> , 2007 , 98, 018302	7.4	87
247	Attributes, Fabrication, and Applications of Gallium-Based Liquid Metal Particles. <i>Advanced Science</i> , 2020 , 7, 2000192	13.6	85
246	Dispersion of cellulose crystallites by nonionic surfactants in a hydrophobic polymer matrix. <i>Polymer Engineering and Science</i> , 2009 , 49, 2054-2061	2.3	84

245	Salt-Induced Depression of Lower Critical Solution Temperature in a Surface-Grafted Neutral Thermoresponsive Polymer. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 697-701	4.8	84
244	Self-Folding Origami Microstrip Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5416-5419	4.5	80
243	Surface-Bound Gradients for Studies of Soft Materials Behavior. <i>Annual Review of Materials Research</i> , 2012 , 42, 435-468	12.8	79
242	Swelling of polyelectrolyte and polyzwitterion brushes by humid vapors. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12737-45	16.4	76
241	Temperature Dependence of Molecular Orientation on the Surfaces of Semifluorinated Polymer Thin Films. <i>Langmuir</i> , 2000 , 16, 1993-1997	4	76
240	Computer simulation of copolymer phase behavior. <i>Journal of Chemical Physics</i> , 2002 , 117, 10329-10338	3.9	71
239	Assembly of Nanoparticles using Surface-Grafted Orthogonal Polymer Gradients. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 270-274	4.8	69
238	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
237	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	4	68
236	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
235	Creating responsive surfaces with tailored wettability switching kinetics and reconstruction reversibility. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17610-1	16.4	66
234	In Silico Polymerization: Computer Simulation of Controlled Radical Polymerization in Bulk and on Flat Surfaces. <i>Macromolecules</i> , 2006 , 39, 7157-7169	5.5	66
233	Alternative Fluoropolymers to Avoid the Challenges Associated with Perfluorooctanoic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 502-508	3.9	65
232	Wetting of Substrates with Phase-Separated Binary Polymer Mixtures. <i>Physical Review Letters</i> , 1997 , 78, 4946-4949	7.4	64
231	Adsorption of a nonionic symmetric triblock copolymer on surfaces with different hydrophobicity. <i>Langmuir</i> , 2010 , 26, 9565-74	4	60
230	Transfer of a chemical substrate pattern into an island-forming diblock copolymer film. <i>Journal of Chemical Physics</i> , 1999 , 111, 11101-11110	3.9	60
229	On the surface interactions of proteins with lignin. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 199-206	3.9	58
228	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

227	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
226	Evolution of surface morphologies in multivariant assemblies of surface-tethered diblock copolymers after selective solvent treatment. <i>Langmuir</i> , 2005 , 21, 11552-5	4	56
225	Formation of surface-grafted copolymer brushes with continuous composition gradients. <i>Chemical Communications</i> , 2003 , 1350-1	5.8	55
224	Rapid formation of soft hydrophilic silicone elastomer surfaces. <i>Polymer</i> , 2005 , 46, 9329-9341	3.9	55
223	Combinatorial study of nanoparticle dispersion in surface-grafted macromolecular gradients. <i>Applied Surface Science</i> , 2006 , 252, 2549-2554	6.7	54
222	Study of Kinetics and Macroinitiator Efficiency in Surface-Initiated Atom-Transfer Radical Polymerization. <i>Macromolecules</i> , 2006 , 39, 9049-9056	5.5	53
221	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	2.5	52
220	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
219	Reactive patterning via post-functionalization of polymer brushes utilizing disuccinimidyl carbonate activation to couple primary amines. <i>Polymer</i> , 2008 , 49, 3770-3779	3.9	51
218	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
217	Orthogonal surface-grafted polymer gradients: A versatile combinatorial platform. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 3384-3394	2.6	50
216	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	5.5	50
215	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
214	Computer Simulation of Concurrent Bulk- and Surface-Initiated Living Polymerization. <i>Macromolecules</i> , 2012 , 45, 2128-2137	5.5	49
213	Formation and antifouling properties of amphiphilic coatings on polypropylene fibers. <i>Biomacromolecules</i> , 2012 , 13, 3769-79	6.9	49
212	Effect of Changing Molecular End Groups on Surface Properties: Synthesis and Characterization of Poly(styrene-b-semifluorinated isoprene) Block Copolymers with CF_2H End Groups. <i>Macromolecules</i> , 2000 , 33, 8012-8019	5.5	49
211	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
210	Expanding the Polymer Mechanochemistry Toolbox through Surface-Initiated Polymerization. <i>ACS Macro Letters</i> , 2015 , 4, 636-639	6.6	47

209	Generation of functional PET microfibers through surface-initiated polymerization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5855		47
208	Hydrogel/Elastomer Laminates Bonded via Fabric Interphases for Stimuli-Responsive Actuators. <i>Matter</i> , 2019 , 1, 674-689	12.7	45
207	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
206	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
205	Tuning gold nanoparticle-poly(2-hydroxyethyl methacrylate) brush interactions: from reversible swelling to capture and release. <i>ACS Nano</i> , 2009 , 3, 807-18	16.7	45
204	Formation mechanisms and properties of semifluorinated molecular gradients on silica surfaces. <i>Langmuir</i> , 2006 , 22, 8532-41	4	45
203	Liquid Metal Nanoparticles as Initiators for Radical Polymerization of Vinyl Monomers. <i>ACS Macro Letters</i> , 2019 , 8, 1522-1527	6.6	44
202	Surface-Initiated Polymerization by Means of Novel, Stable, Non-Ester-Based Radical Initiator. <i>Macromolecules</i> , 2012 , 45, 3802-3815	5.5	42
201	Preparing High-Density Polymer Brushes by Mechanically Assisted Polymer Assembly. <i>Macromolecules</i> , 2001 , 34, 684-686	5.5	42
200	Opto-mechanical scission of polymer chains in photosensitive diblock-copolymer brushes. <i>Langmuir</i> , 2013 , 29, 13967-74	4	40
199	Designing pattern-recognition surfaces for selective adsorption of copolymer sequences using lattice monte carlo simulation. <i>Physical Review Letters</i> , 2005 , 94, 078103	7.4	40
198	Toughening stretchable fibers via serial fracturing of a metallic core. <i>Science Advances</i> , 2019 , 5, eaat4600	4.3	38
197	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
196	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, 10324-9	11.5	38
195	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	3.9	38
194	Fast directed motion of "fakir" droplets. <i>Langmuir</i> , 2004 , 20, 9893-6	4	38
193	Phase Behavior and Self-Assembly of Perfectly Sequence-Defined and Monodisperse Multiblock Copolypeptides. <i>Biomacromolecules</i> , 2017 , 18, 599-609	6.9	37
192	Salt-Induced Aggregation of Negatively Charged Gold Nanoparticles Confined in a Polymer Brush Matrix. <i>Macromolecules</i> , 2017 , 50, 7333-7343	5.5	37

191	Effect of Comonomer Sequence Distribution on the Adsorption of Random Copolymers onto Impenetrable Flat Surfaces. <i>Macromolecules</i> , 2009 , 42, 2843-2853	5.5	37
190	Formation of polyampholyte brushes via controlled radical polymerization and their assembly in solution. <i>Langmuir</i> , 2012 , 28, 872-82	4	36
189	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000216	2.6	36
188	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
187	Nanomechanics of opposing glycosaminoglycan macromolecules. <i>Journal of Biomechanics</i> , 2005 , 38, 1782-97	3.9	35
186	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
185	Controllable curvature from planar polymer sheets in response to light. <i>Soft Matter</i> , 2017 , 13, 2299-2308	3.6	34
184	Thermoresponsive PDMAEMA Brushes: Effect of Gold Nanoparticle Deposition. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10348-58	3.4	34
183	Influence of indium 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	3	33
182	Orientations of Liquid Crystals in Contact with Surfaces that Present Continuous Gradients of Chemical Functionality. <i>Chemistry of Materials</i> , 2006 , 18, 2357-2363	9.6	33
181	Making polymer brush photosensitive with azobenzene containing surfactants. <i>Polymer</i> , 2015 , 79, 65-72	3.9	32
180	Surface wrinkling by chemical modification of poly(dimethylsiloxane)-based networks during sputtering. <i>Soft Matter</i> , 2013 , 9, 7797	3.6	30
179	Oligomer orientation in vapor-molecular-layer-deposited alkyl-aromatic polyamide films. <i>Langmuir</i> , 2012 , 28, 10464-70	4	30
178	Asphaltene adsorption onto self-assembled monolayers of mixed aromatic and aliphatic trichlorosilanes. <i>Langmuir</i> , 2009 , 25, 6260-9	4	30
177	Self-folding of polymer sheets using microwaves and graphene ink. <i>RSC Advances</i> , 2015 , 5, 89254-89261	3.7	29
176	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	3.9	29
175	Templating Surfaces with Gradient Assemblies 2005 , 81, 417-435		29
174	Formation of surface-grafted polymeric amphiphilic coatings comprising ethylene glycol and fluorinated groups and their response to protein adsorption. <i>Biointerphases</i> , 2009 , 4, FA33-44	1.8	28

173	Polymer nanotubes obtained by layer-by-layer deposition within AAO-membrane templates with sub-100-nm pore diameters. <i>Small</i> , 2010 , 6, 2683-9	11	28
172	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	3.4	28
171	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
170	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
169	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	1.5	27
168	Formation of silicone elastomer networks films with gradients in modulus. <i>Polymer</i> , 2010 , 51, 763-773	3.9	27
167	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, 673-83	4	27
166	Tuning the number density of nanoparticles by multivariant tailoring of attachment points on flat substrates. <i>Nanotechnology</i> , 2007 , 18, 025301	3.4	27
165	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	1.8	27
164	Responsive PET nano/microfibers via surface-initiated polymerization. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 59-64	9.5	26
163	Asphaltene adsorption onto self-assembled monolayers of alkyltrichlorosilanes of varying chain length. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1347-57	9.5	26
162	Computer simulation study of molecular recognition in model DNA microarrays. <i>Biophysical Journal</i> , 2006 , 91, 2227-36	2.9	26
161	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
160	Polymer brushes modified by photosensitive azobenzene containing polyamines. <i>Polymer</i> , 2016 , 98, 421-428	3.9	25
159	Formation and Properties of Responsive Siloxane-Based Polymeric Surfaces with Tunable Surface Reconstruction Kinetics. <i>Advanced Functional Materials</i> , 2009 , 19, 460-469	15.6	25
158	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	5.5	25
157	Swelling of Hydrophilic Polymer Brushes by Water and Alcohol Vapors. <i>Macromolecules</i> , 2016 , 49, 4316-4329	4.3	25
156	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	4.8	24

155	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	4	24
154	Processing of Polyamide 11 with Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 5570-5577	3.9	24
153	Simple geometric model to describe self-folding of polymer sheets. <i>Physical Review E</i> , 2014 , 89, 042601	2.4	23
152	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
151	Surface Properties of Poly[2-(perfluorooctyl)ethyl acrylate] Deposited from Liquid CO ₂ High-Pressure Free Meniscus Coating. <i>Macromolecules</i> , 2007 , 40, 588-597	5.5	23
150	Nonequilibrium Model for Sorption and Swelling of Bulk Glassy Polymer Films with Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2005 , 38, 10299-10313	5.5	23
149	Drawing liquid metal wires at room temperature. <i>Extreme Mechanics Letters</i> , 2016 , 7, 55-63	3.9	23
148	Phase behavior of gradient copolymer solutions: a Monte Carlo simulation study. <i>Soft Matter</i> , 2012 , 8, 6471	3.6	22
147	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
146	Formation and properties of multivariant assemblies of surface-tethered diblock and triblock copolymers. <i>Polymer</i> , 2008 , 49, 4837-4845	3.9	22
145	Copolymer adsorption on planar substrates with a random distribution of chemical heterogeneities. <i>Journal of Chemical Physics</i> , 2001 , 115, 4873-4882	3.9	22
144	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
143	Adsorption of glycinin and B ₁ glycinin on silica and cellulose: surface interactions as a function of denaturation, pH, and electrolytes. <i>Biomacromolecules</i> , 2012 , 13, 387-96	6.9	21
142	Progress in Computer Simulation of Bulk, Confined, and Surface-initiated Polymerizations. <i>Macromolecular Theory and Simulations</i> , 2013 , 22, 8-30	1.5	21
141	Effect of Solvent Quality and Chain Confinement on the Kinetics of Polystyrene Bromination. <i>Macromolecules</i> , 2008 , 41, 6719-6727	5.5	21
140	Grafting through polymerization involving surface-bound monomers. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 263-274	2.5	21
139	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
138	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	14.3	19

137	Instability of Surface-Grafted Weak Polyacid Brushes on Flat Substrates. <i>Macromolecules</i> , 2015 , 48, 5677-5687	5.9	18
136	Photochromic materials with tunable color and mechanical flexibility. <i>Soft Matter</i> , 2011 , 7, 3766-3774	3.6	18
135	Monte Carlo Simulations of Copolymer Adsorption at Planar Chemically Patterned Surfaces: Effect of Interfacial Interaction. <i>Macromolecular Theory and Simulations</i> , 2004 , 13, 219-229	1.5	18
134	Dewetting behavior of a block copolymer/homopolymer thin film on an immiscible homopolymer substrate. <i>Langmuir</i> , 2004 , 20, 8659-67	4	18
133	Copolymer Adsorption on Planar Chemically Heterogeneous Substrates: The Interplay between the Monomer Sequence Distribution and Interaction Energies. <i>Macromolecular Theory and Simulations</i> , 2002 , 11, 481	1.5	18
132	Copolymer-assisted generation of three-dimensional patterns by replicating two-dimensional substrate motifs. <i>Physical Review E</i> , 2001 , 63, 022601	2.4	18
131	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
130	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
129	Characterization of monolayer formation on aluminum-doped zinc oxide thin films. <i>Langmuir</i> , 2008 , 24, 433-40	4	17
128	The interface between immiscible polymers studied by low-energy forward recoil spectrometry and neutron reflectivity. <i>Polymer</i> , 1999 , 40, 4223-4228	3.9	17
127	Antipathogenic properties and applications of low-dimensional materials. <i>Nature Communications</i> , 2021 , 12, 3897	17.4	17
126	Self-Folding of Thick Polymer Sheets Using Gradients of Heat. <i>Journal of Mechanisms and Robotics</i> , 2016 , 8,	2.2	16
125	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
124	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
123	Modification of PET surfaces with self-assembled monolayers of organosilane precursors. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009 , 172, 95-103	1.7	16
122	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
121	Thiol-containing polymeric embedding materials for nanoskiving. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 121-130	7.1	15
120	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

119	Toward the development of a versatile functionalized silicone coating. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22544-52	9.5	14
118	Block copolymer self-organization vs. interfacial modification in bilayered thin-film laminates. <i>Soft Matter</i> , 2011 , 7, 3268	3.6	14
117	Discriminating Among Co-monomer Sequence Distributions in Random Copolymers Using Interaction Chromatography. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1543-8	4.8	14
116	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
115	Effect of Network Density in Surface-Anchored Poly(N-isopropylacrylamide) Hydrogels on Adsorption of Fibrinogen. <i>Langmuir</i> , 2017 , 33, 1974-1983	4	13
114	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
113	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
112	Surface and Friction Behavior of a Silicone Surfactant Adsorbed on Model Textiles Substrates. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 8550-8557	3.9	13
111	Neutron reflectometry of supported hybrid bilayers with inserted peptide. <i>Soft Matter</i> , 2010 , 6, 862-865	3.6	13
110	Poly(vinylmethylsiloxane) elastomer networks as functional materials for cell adhesion and migration studies. <i>Biomacromolecules</i> , 2011 , 12, 1265-71	6.9	13
109	Statistical copolymers of 2-(trimethylsilyloxy)ethyl methacrylate and methyl methacrylate synthesized by ATRP. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 1919-1923	2.5	13
108	Surface-Anchored Poly(-isopropylacrylamide) Orthogonal Gradient Networks. <i>Macromolecules</i> , 2016 , 49, 5076-5083	5.5	13
107	Protein-Like Copolymers (PLCs) as Compatibilizers for Homopolymer Blends. <i>Macromolecules</i> , 2010 , 43, 5149-5157	5.5	12
106	Autophobicity-driven surface segregation and patterning of core-shell microgel nanoparticles. <i>Nano Letters</i> , 2008 , 8, 3010-6	11.5	12
105	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
104	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
103	Investigating the Molecular Origins of Responsiveness in Functional Silicone Elastomer Networks. <i>Macromolecules</i> , 2010 , 43, 5043-5051	5.5	11
102	Design of Copolymers with Tunable Randomness Using Discontinuous Molecular Dynamics Simulation. <i>Macromolecules</i> , 2009 , 42, 9063-9071	5.5	11

101	Obtaining Concentration Profiles from Computer Simulation Structure Factors. <i>Macromolecules</i> , 2007 , 40, 2629-2632	5.5	11
100	Design of random copolymers with statistically controlled monomer sequence distributions via Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 2006 , 125, 014902	3.9	11
99	Tunable instability mechanisms of polymer thin films by molecular self-assembly. <i>Langmuir</i> , 2006 , 22, 8642-5	4	11
98	Development of a fused-sphere SAFT- Γ Mie force field for poly(vinyl alcohol) and poly(ethylene). <i>Journal of Chemical Physics</i> , 2019 , 150, 034901	3.9	10
97	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
96	Dewetting of Star Nanogel/Homopolymer Blends from an Immiscible Homopolymer Substrate. <i>Macromolecules</i> , 2004 , 37, 7857-7860	5.5	10
95	Proteinlike copolymers as encapsulating agents for small-molecule solutes. <i>Langmuir</i> , 2015 , 31, 3518-264		9
94	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
93	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
92	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, 1289-984	3.4	9
91	Film-Stabilizing Attributes of Polymeric Core-Shell Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 7940-9	16.7	8
90	Creating surface patterns of polymer brushes by degrafting via tetrabutyl ammonium fluoride. <i>RSC Advances</i> , 2015 , 5, 86120-86125	3.7	8
89	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
88	The effect of confinement on thermal frontal polymerization. <i>Polymer Chemistry</i> , 2012 , 3, 3243	4.9	8
87	Behavior of Surface-Anchored Poly(acrylic acid) Brushes with Grafting Density Gradients on Solid Substrates 2005 , 287-315		8
86	Nonwoven fiber mats with thermo-responsive permeability to inorganic and organic electrolytes. <i>Journal of Membrane Science</i> , 2020 , 616, 118439	9.6	8
85	Multipurpose Polymeric Coating for Functionalizing Inert Polymer Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5694-705	9.5	7
84	Spontaneous Degrafting of Weak and Strong Polycationic Brushes in Aqueous Buffer Solutions. <i>Macromolecules</i> , 2019 , 52, 6192-6200	5.5	7

83	In-plane deformation of shape memory polymer sheets programmed using only scissors. <i>Polymer</i> , 2014 , 55, 5948-5952	3.9	7
82	Adsorption of "soft" spherical particles onto sinusoidally-corrugated substrates. <i>Soft Matter</i> , 2014 , 10, 7452-8	3.6	7
81	ATRP of 2-vinylpyridine and tert-butyl acrylate mixtures giving precursors of polyampholytes. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 735-741	2.5	7
80	Effects of synthetic amphiphilic alpha-helical peptides on the electrochemical and structural properties of supported hybrid bilayers on gold. <i>Langmuir</i> , 2006 , 22, 1919-27	4	7
79	Surface Enrichment in a Miscible Random Copolymer Blend: Influence of Polydispersity and Architecture. <i>Macromolecules</i> , 1999 , 32, 4098-4105	5.5	7
78	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
77	Surface-Bound Microgels for Separation, Sensing, and Biomedical Applications. <i>Advanced Functional Materials</i> , 2104164	15.6	7
76	Light-Induced Structuring of Photosensitive Polymer Brushes. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 3017-3026	4.3	6
75	Shrink Films Get a Grip. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1088-1095	4.3	6
74	Design of High Efficient Mid-Wavelength Infrared Polarizer on ORMOCALC Polymer. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000033	3.9	6
73	Adsorption of multiple spherical particles onto sinusoidally corrugated substrates. <i>Langmuir</i> , 2014 , 30, 9407-17	4	6
72	Controlling comonomer distribution in random copolymers by chemical coloring of surface-tethered homopolymers: an insight from discontinuous molecular dynamics simulation. <i>Langmuir</i> , 2010 , 26, 8810-20	4	6
71	A self-consistent field study of the wetting transition in binary polymer blends. <i>Journal of Chemical Physics</i> , 1997 , 106, 1257-1263	3.9	6
70	Mean-field theory of the interface between a homopolymer and a binary-polymer mixture. <i>Journal of Chemical Physics</i> , 1996 , 105, 10134-10144	3.9	6
69	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
68	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
67	Visualization of Mechanochemically-Assisted Degrafting of Surface-Tethered Poly(Acrylic Acid) Brushes. <i>ACS Macro Letters</i> , 2018 , 7, 609-613	6.6	6
66	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

65	Evolution of homopolymer thin-film instability on surface-anchored diblock copolymers varying in composition. <i>Langmuir</i> , 2014 , 30, 11689-95	4	5
64	Microfluidic channels fabricated from poly(vinylmethoxysiloxane) networks that resist swelling by organic solvents. <i>Lab on A Chip</i> , 2013 , 13, 4317-20	7.2	5
63	Motion of Drops on Gradient Surfaces 2012 , 407-429		5
62	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
61	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
60	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
59	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
58	Kinetic Study of Degrafting Poly(methyl methacrylate) Brushes from Flat Substrates by Tetrabutylammonium Fluoride. <i>Macromolecules</i> , 2018 , 51, 10237-10245	5.5	5
57	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
56	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
55	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
54	Computer Simulation of Template Polymerization Using a Controlled Reaction Scheme. <i>Macromolecules</i> , 2013 , 46, 2474-2484	5.5	4
53	Simulation of Mechanically Assembled Monolayers and Polymers in Good Solvent Using Discontinuous Molecular Dynamics. <i>Macromolecules</i> , 2008 , 41, 6573-6581	5.5	4
52	Counterpropagating Gradients of Antibacterial and Antifouling Polymer Brushes.. <i>Biomacromolecules</i> , 2021 ,	6.9	4
51	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
50	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
49	Self-assembly fronts in collision: impinging ordering organosilane layers. <i>Soft Matter</i> , 2013 , 9, 2493	3.6	3
48	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

47	Interfacial stabilization of bilayered nanolaminates by asymmetric block copolymers. <i>Applied Physics Letters</i> , 2012 , 100, 101602	3.4	3
46	Making Gradient Patterns by Electron-Beam Chemical Lithography with Monomolecular Resists 2012 , 199-227		3
45	Manipulating Siloxane Surfaces: Obtaining the Desired Surface Function via Engineering Design. <i>ACS Symposium Series</i> , 2007 , 222-255	0.4	3
44	Continuous Ligand-Free Suzuki-Miyaura 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
43	UV- and Thermally-Active Bifunctional Gelators Create Surface-Anchored Polymer Networks. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100266	4.8	3
42	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
41	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
40	Charge Density Gradients of Polymer Thin Film by Gaseous Phase Quaternization. <i>ACS Macro Letters</i> , 2020 , 9, 158-162	6.6	2
39	Application of a Laser Cutter to Pattern Wrinkles on Polymer Films. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 1848-1855	4.3	2
38	Tuning the Surface Properties of Elastomers Using Hydrocarbon-Based Mechanically Assembled Monolayers. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 710, 1		2
37	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
36	Network-supported, metal-mediated catalysis: progress and perspective. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 1892-1902	4.9	2
35	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
34	Adsorption of size-polydisperse particles on sinusoidally corrugated surfaces. <i>Molecular Simulation</i> , 2018 , 44, 494-506	2	2
33	Shape memory polymers for self-folding via compression of thermoplastic sheets. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46889	2.9	2
32	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
31	Hydrogel Gradients by Self-Initiated Photografting and Photopolymerization: Preparation, Characterization, and Protein Interactions 2012 , 279-302		1
30	Bioactive Self-Assembled Monolayer Gradients 2012 , 329-363		1

29	Continuous Infusion Microchannel Approach to Generate Composition Gradients from Viscous Polymer Solutions 2012 , 129-143		1
28	Creating Functional Materials by Chemical and Physical Functionalization of Silicone Elastomer Networks. <i>Advances in Silicon Science</i> , 2012 , 59-94		1
27	Metallothionein-inspired prototype of molecular pincer. <i>Chemical Communications</i> , 2011 , 47, 8067-9	5.8	1
26	Theoretical study of kinetics of zipping phenomena in biomimetic polymers. <i>Physical Review E</i> , 2007 , 76, 011915	2.4	1
25	Wetting reversal transition in phase-separated polymer mixtures. <i>Macromolecular Symposia</i> , 1999 , 139, 77-85	0.8	1
24	Stiff or Extensible in Seconds: Light-Induced Corrugations in Thin Polymer Sheets. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000789	6.8	1
23	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
22	Thermally driven directional free-radical polymerization in confined channels. <i>Polymer Chemistry</i> , 2019 , 10, 920-925	4.9	0
21	Functional Gels Containing Hydroxamic Acid Degrade Organophosphates in Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8799-8811	3.9	0
20	Dynamic Surfaces-Degradable Polyester Networks that Resist Protein Adsorption. <i>Langmuir</i> , 2021 , 37, 8978-8988	4	0
19	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
18	Controlled heating and alignment platform enhances versatility in colloidal probe fabrication. <i>Review of Scientific Instruments</i> , 2020 , 91, 013903	1.7	
17	Vapor Swelling of Hydrophilic Polymer Brushes 2017 , 243-266		
16	Directed Assembly of Block Copolymer Films: Effects of Rough Substrates and Thermal Fields 2012 , 257-278		
15	Gradient Libraries: Harnessing a Ubiquitous Phenomenon to Accelerate Experimentation 2012 , 1-18		
14	Polymer Gradients: Responsive Grafted Layers 2012 , 303-328		
13	Morphology Gradients on Different Size Scales and Their Application in Biological Studies 2012 , 365-381		
12	Classification of Key Attributes of Soft Material Gradients 2012 , 19-46		

- 11 Discovery and Optimization of Sensing Materials Using Discrete and Gradient Arrays **2012**, 47-92
- 10 Gradient Assembly of Complex Surfaces for Sensing, Fabrication, and High Throughput Analysis **2012**, 145-198
- 9 Electrochemical Mapping for Polymer Chemical and Physical Gradients **2012**, 229-256
- 8 Colliding Self-Assembly Waves in Organosilane Monolayers **2012**, 93-107
- 7 Orientational Anchoring of Liquid Crystals on Surfaces Presenting Continuous Gradients in Composition **2012**, 109-128
- 6 Simulation of Mechanically-Assembled Monolayers In Poor Solvent Using Discontinuous Molecular Dynamics. *Macromolecules*, **2010**, 43, 3072-3080 5.5
- 5 Molecularly Defined Peptide Spacing Gradients for Cell Guidance **2012**, 383-405
- 4 Development of High-Throughput substrates for Generating Two-Dimensional Nanoparticles Assemblies and for Screening Protein Adsorption. *Materials Research Society Symposia Proceedings*, **2003**, 804, 178
- 3 Monte Carlo Simulations of Copolymer Adsorption from Copolymer / Homopolymer Melts at Planar Chemically Patterned Surfaces. *Materials Research Society Symposia Proceedings*, **2001**, 710, 1
- 2 Deposition of silicate coatings on poly(ethylene terephthalate) for improved scratch and solvent resistance. *Journal of Applied Polymer Science*, **2022**, 139, 51800 2.9
- 1 DFT Analysis of Organotin Catalytic Mechanisms in Dehydration Esterification Reactions for Terephthalic Acid and 2,2,4,4-Tetramethyl-1,3-cyclobutanediol. *Journal of Physical Chemistry A*, **2021**, 125, 4943-4956 2.8