List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3177325/publications.pdf Version: 2024-02-01



IAN CENZED

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Emerging applications of stimuli-responsive polymer materials. Nature Materials, 2010, 9, 101-113. | 27.5 | 5,007 |
| 2 | Recent developments in superhydrophobic surfaces and their relevance to marine fouling: a review. Biofouling, 2006, 22, 339-360. | 2.2 | 1,028 |
| 3 | Soft matter with hard skin: From skin wrinkles to templating and material characterization. Soft Matter, 2006, 2, 310. | 2.7 | 773 |
| 4 | Nested self-similar wrinkling patterns in skins. Nature Materials, 2005, 4, 293-297. | 27.5 | 710 |
| 5 | Surface Modification of Sylgard-184 Poly(dimethyl siloxane) Networks by Ultraviolet and Ultraviolet/Ozone Treatment. Journal of Colloid and Interface Science, 2002, 254, 306-315. | 9.4 | 670 |
| 6 | Self-folding of polymer sheets using local light absorption. Soft Matter, 2012, 8, 1764-1769. | 2.7 | 466 |
| 7 | Surface-Bound Soft Matter Gradients. Langmuir, 2008, 24, 2294-2317. | 3.5 | 327 |
| 8 | Combinatorial Study of the Mushroom-to-Brush Crossover in Surface Anchored Polyacrylamide. Journal of the American Chemical Society, 2002, 124, 9394-9395. | 13.7 | 296 |
| 9 | "2D or not 2Dâ€: Shape-programming polymer sheets. Progress in Polymer Science, 2016, 52, 79-106. | 24.7 | 292 |
| 10 | Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers. Advanced Functional Materials, 2017, 27, 1605630. | 14.9 | 257 |
| 11 | Sequential self-folding of polymer sheets. Science Advances, 2017, 3, e1602417. | 10.3 | 254 |
| 12 | Behavior of Surface-Anchored Poly(acrylic acid) Brushes with Grafting Density Gradients on Solid Substrates:  1. Experiment. Macromolecules, 2007, 40, 8756-8764. | 4.8 | 252 |
| 13 | Attributes, Fabrication, and Applications of Galliumâ€Based Liquid Metal Particles. Advanced Science, 2020, 7, 2000192. | 11.2 | 246 |
| 14 | Handwritten, Soft Circuit Boards and Antennas Using Liquid Metal Nanoparticles. Small, 2015, 11, 6397-6403. | 10.0 | 234 |
| 15 | Development and Testing of Hierarchically Wrinkled Coatings for Marine Antifouling. ACS Applied Materials & amp; Interfaces, 2009, 1, 1031-1040. | 8.0 | 225 |
| 16 | Elastomeric microparticles for acoustic mediated bioseparations. Journal of Nanobiotechnology, 2013, 11, 22. | 9.1 | 199 |
| 17 | Formation and Properties of Anchored Polymers with a Gradual Variation of Grafting Densities on Flat Substrates. Macromolecules, 2003, 36, 2448-2453. | 4.8 | 190 |
| 18 | Shape-transformable liquid metal nanoparticles in aqueous solution. Chemical Science, 2017, 8, 3832-3837. | 7.4 | 181 |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Vacuum filling of complex microchannels with liquid metal. Lab on A Chip, 2017, 17, 3043-3050. | 6.0 | 169 |
| 20 | Behavior of Surface-Anchored Poly(acrylic acid) Brushes with Grafting Density Gradients on Solid Substrates:  2. Theory. Macromolecules, 2007, 40, 8765-8773. | 4.8 | 149 |
| 21 | Biological and Synthetic Self-Cleaning Surfaces. MRS Bulletin, 2008, 33, 742-746. | 3.5 | 144 |
| 22 | Applications of surface-grafted macromolecules derived from post-polymerization modification reactions. Progress in Polymer Science, 2012, 37, 871-906. | 24.7 | 136 |
| 23 | Computer Simulation of Block Copolymer/Nanoparticle Composites. Macromolecules, 2005, 38, 3007-3016. | 4.8 | 135 |
| 24 | Controlling the assembly of nanoparticles using surface grafted molecular and macromolecular gradients. Nanotechnology, 2003, 14, 1145-1152. | 2.6 | 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. Macromolecules, 2000, 33, 1882-1887. | 4.8 | 115 |
| 27 | Surface Stability in Liquid-Crystalline Block Copolymers with Semifluorinated Monodendron Side Groups. Macromolecules, 2000, 33, 6106-6119. | 4.8 | 110 |
| 28 | Formation of Grafted Macromolecular Assemblies with a Gradual Variation of Molecular Weight on Solid Substrates. Macromolecules, 2003, 36, 3449-3451. | 4.8 | 109 |
| 29 | Liquid Metal Nanoparticles as Initiators for Radical Polymerization of Vinyl Monomers. ACS Macro Letters, 2019, 8, 1522-1527. | 4.8 | 109 |
| 30 | Simultaneous Bulk- and Surface-Initiated Controlled Radical Polymerization from Planar Substrates. Journal of the American Chemical Society, 2011, 133, 17567-17569. | 13.7 | 106 |
| 31 | Self-Folding Origami Microstrip Antennas. IEEE Transactions on Antennas and Propagation, 2014, 62, 5416-5419. | 5.1 | 106 |
| 32 | Fabricating Planar Nanoparticle Assemblies with Number Density Gradients. Langmuir, 2002, 18, 5640-5643. | 3.5 | 102 |
| 33 | Application of ion scattering techniques to characterize polymer surfaces and interfaces. Materials Science and Engineering Reports, 2002, 38, 107-180. | 31.8 | 100 |
| 34 | Effect of Substrate Geometry on Polymer Molecular Weight and Polydispersity during Surface-Initiated Polymerization. Macromolecules, 2008, 41, 4856-4865. | 4.8 | 98 |
| 35 | Sonication-enabled rapid production of stable liquid metal nanoparticles grafted with poly(1-octadecene- <i>alt</i> -maleic anhydride) in aqueous solutions. Nanoscale, 2018, 10, 19871-19878. | 5.6 | 98 |
| 36 | Phase Behavior and Charge Regulation of Weak Polyelectrolyte Grafted Layers. Physical Review Letters, 2007, 98, 018302. | 7.8 | 96 |

| # | Article | IF | CITATIONS |
|----|--|------------|-------------------|
| 37 | Polymer Chain Relaxation: Â Surface Outpaces Bulk. Macromolecules, 2001, 34, 5081-5082. | 4.8 | 94 |
| 38 | Dispersion of cellulose crystallites by nonionic surfactants in a hydrophobic polymer matrix. Polymer Engineering and Science, 2009, 49, 2054-2061. | 3.1 | 91 |
| 39 | Salt-Induced Depression of Lower Critical Solution Temperature in a Surface-Grafted Neutral Thermoresponsive Polymer. Macromolecular Rapid Communications, 2006, 27, 697-701. | 3.9 | 86 |
| 40 | Swelling of Polyelectrolyte and Polyzwitterion Brushes by Humid Vapors. Journal of the American Chemical Society, 2014, 136, 12737-12745. | 13.7 | 86 |
| 41 | On-Demand Degrafting and the Study of Molecular Weight and Grafting Density of Poly(methyl) Tj ETQq1 1 0.78 | 34314 rgBT | - /Overlock 84 |
| 42 | Temperature Dependence of Molecular Orientation on the Surfaces of Semifluorinated Polymer Thin Films. Langmuir, 2000, 16, 1993-1997. | 3.5 | 83 |
| 43 | Surface-Bound Gradients for Studies of Soft Materials Behavior. Annual Review of Materials Research, 2012, 42, 435-468. | 9.3 | 83 |
| 44 | Computer simulation of copolymer phase behavior. Journal of Chemical Physics, 2002, 117, 10329-10338. | 3.0 | 76 |
| 45 | In Silico Polymerization:Â Computer Simulation of Controlled Radical Polymerization in Bulk and on Flat Surfaces. Macromolecules, 2006, 39, 7157-7169. | 4.8 | 76 |
| 46 | Molecular Orientation and Grafting Density in Semifluorinated Self-Assembled Monolayers of Mono-, Di-, and Trichloro Silanes on Silica Substrates. Langmuir, 2002, 18, 9307-9311. | 3.5 | 74 |
| 47 | Hydrogel/Elastomer Laminates Bonded via Fabric Interphases for Stimuli-Responsive Actuators. Matter, 2019, 1, 674-689. | 10.0 | 74 |
| 48 | Computer Simulation of Controlled Radical Polymerization: Effect of Chain Confinement Due to Initiator Grafting Density and Solvent Quality in "Grafting From―Method. Macromolecules, 2010, 43, 9567-9577. | 4.8 | 72 |
| 49 | On the Surface Interactions of Proteins with Lignin. ACS Applied Materials & Interfaces, 2013, 5, 199-206. | 8.0 | 71 |
| 50 | Wetting of Substrates with Phase-Separated Binary Polymer Mixtures. Physical Review Letters, 1997, 78, 4946-4949. | 7.8 | 70 |
| 51 | Assembly of Nanoparticles using Surface-Grafted Orthogonal Polymer Gradients. Macromolecular Rapid Communications, 2004, 25, 270-274. | 3.9 | 70 |
| 52 | Alternative Fluoropolymers to Avoid the Challenges Associated with Perfluorooctanoic Acid. Industrial & Engineering Chemistry Research, 2008, 47, 502-508. | 3.7 | 69 |
| 53 | The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216. | 2.2 | 69 |
| 54 | Creating Responsive Surfaces with Tailored Wettability Switching Kinetics and Reconstruction Reversibility. Journal of the American Chemical Society, 2005, 127, 17610-17611. | 13.7 | 68 |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Generation and Properties of Antibacterial Coatings Based on Electrostatic Attachment of Silver Nanoparticles to Protein-Coated Polypropylene Fibers. ACS Applied Materials & Interfaces, 2013, 5, 5298-5306. | 8.0 | 66 |
| 56 | Adsorption of a Nonionic Symmetric Triblock Copolymer on Surfaces with Different Hydrophobicity. Langmuir, 2010, 26, 9565-9574. | 3.5 | 63 |
| 57 | Modification of Silicone Elastomer Surfaces with Zwitterionic Polymers: Short-Term Fouling Resistance and Triggered Biofouling Release. ACS Applied Materials & Interfaces, 2015, 7, 25586-25591. | 8.0 | 63 |
| 58 | Antipathogenic properties and applications of low-dimensional materials. Nature Communications, 2021, 12, 3897. | 12.8 | 63 |
| 59 | Transfer of a chemical substrate pattern into an island-forming diblock copolymer film. Journal of Chemical Physics, 1999, 111, 11101-11110. | 3.0 | 61 |
| 60 | Salt-Induced Aggregation of Negatively Charged Gold Nanoparticles Confined in a Polymer Brush Matrix. Macromolecules, 2017, 50, 7333-7343. | 4.8 | 61 |
| 61 | Rapid formation of soft hydrophilic silicone elastomer surfaces. Polymer, 2005, 46, 9329-9341. | 3.8 | 60 |
| 62 | Evolution of Surface Morphologies in Multivariant Assemblies of Surface-Tethered Diblock Copolymers after Selective Solvent Treatment. Langmuir, 2005, 21, 11552-11555. | 3.5 | 60 |
| 63 | Computer Simulation of Concurrent Bulk- and Surface-Initiated Living Polymerization. Macromolecules, 2012, 45, 2128-2137. | 4.8 | 60 |
| 64 | Effect of ultraviolet/ozone treatment on the surface and bulk properties of poly(dimethyl siloxane) and poly(vinylmethyl siloxane) networks. Polymer, 2014, 55, 3107-3119. | 3.8 | 59 |
| 65 | Three-dimensional folding of pre-strained polymer sheets <i>via</i> absorption of laser light. Journal of Applied Physics, 2014, 115, . | 2.5 | 58 |
| 66 | Expanding the Polymer Mechanochemistry Toolbox through Surface-Initiated Polymerization. ACS Macro Letters, 2015, 4, 636-639. | 4.8 | 58 |
| 67 | Formation of surface-grafted copolymer brushes with continuous composition gradients. Chemical Communications, 2003, , 1350. | 4.1 | 57 |
| 68 | Accounting for Auger yield energy loss for improved determination of molecular orientation using soft x-ray absorption spectroscopy. Journal of Applied Physics, 2002, 92, 7070-7079. | 2.5 | 56 |
| 69 | Study of Kinetics and Macroinitiator Efficiency in Surface-Initiated Atom-Transfer Radical Polymerization. Macromolecules, 2006, 39, 9049-9056. | 4.8 | 56 |
| 70 | Molecular Orientation of Single and Two-Armed Monodendron Semifluorinated Chains on "Soft―and "Hard―Surfaces Studied Using NEXAFS. Macromolecules, 2000, 33, 6068-6077. | 4.8 | 55 |
| 71 | Combinatorial study of nanoparticle dispersion in surface-grafted macromolecular gradients. Applied Surface Science, 2006, 252, 2549-2554 | 6.1 | 55 |
| 72 | Direct Measurement of Molecular Weight and Grafting Density by Controlled and Quantitative Degrafting of Surface-Anchored Poly(methyl methacrylate). ACS Macro Letters, 2015, 4, 251-254. | 4.8 | 55 |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 73 | Orthogonal surface-grafted polymer gradients: A versatile combinatorial platform. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3384-3394. | 2.1 | 54 |
| 74 | Poly(2-hydroxyethyl methacrylate) for Enzyme Immobilization: Impact on Activity and Stability of Horseradish Peroxidase. Biomacromolecules, 2011, 12, 1822-1830. | 5.4 | 54 |
| 75 | Brush/Gold Nanoparticle Hybrids: Effect of Grafting Density on the Particle Uptake and Distribution within Weak Polyelectrolyte Brushes. Langmuir, 2014, 30, 13033-13041. | 3.5 | 54 |
| 76 | Effect of Changing Molecular End Groups on Surface Properties:Â Synthesis and Characterization of Poly(styrene-b-semifluorinated isoprene) Block Copolymers with â^'CF2H End Groups. Macromolecules, 2000, 33, 8012-8019. | 4.8 | 53 |
| 77 | Generation of functional PET microfibers through surface-initiated polymerization. Journal of Materials Chemistry, 2012, 22, 5855. | 6.7 | 53 |
| 78 | Formation and Antifouling Properties of Amphiphilic Coatings on Polypropylene Fibers. Biomacromolecules, 2012, 13, 3769-3779. | 5.4 | 53 |
| 79 | Reactive patterning via post-functionalization of polymer brushes utilizing disuccinimidyl carbonate activation to couple primary amines. Polymer, 2008, 49, 3770-3779. | 3.8 | 52 |
| 80 | Surface-Initiated Polymerization by Means of Novel, Stable, Non-Ester-Based Radical Initiator. Macromolecules, 2012, 45, 3802-3815. | 4.8 | 52 |
| 81 | Toughening stretchable fibers via serial fracturing of a metallic core. Science Advances, 2019, 5, eaat4600. | 10.3 | 52 |
| 82 | Formation Mechanisms and Properties of Semifluorinated Molecular Gradients on Silica Surfaces. Langmuir, 2006, 22, 8532-8541. | 3.5 | 49 |
| 83 | Tuning Gold Nanoparticleâ^'Poly(2-hydroxyethyl methacrylate) Brush Interactions: From Reversible Swelling to Capture and Release. ACS Nano, 2009, 3, 807-818. | 14.6 | 48 |
| 84 | Phase Behavior and Self-Assembly of Perfectly Sequence-Defined and Monodisperse Multiblock Copolypeptides. Biomacromolecules, 2017, 18, 599-609. | 5.4 | 47 |
| 85 | Preparing High-Density Polymer Brushes by Mechanically Assisted Polymer Assembly. Macromolecules, 2001, 34, 684-686. | 4.8 | 46 |
| 86 | Controllable curvature from planar polymer sheets in response to light. Soft Matter, 2017, 13, 2299-2308. | 2.7 | 45 |
| 87 | Temperature-Dependent Optical Properties of Gold Nanoparticles Coated with a Charged Diblock Copolymer and an Uncharged Triblock Copolymer. ACS Nano, 2010, 4, 1187-1201. | 14.6 | 43 |
| 88 | Opto-Mechanical Scission of Polymer Chains in Photosensitive Diblock-Copolymer Brushes. Langmuir, 2013, 29, 13967-13974. | 3.5 | 43 |
| 89 | Designing Pattern-Recognition Surfaces for Selective Adsorption of Copolymer Sequences Using Lattice Monte Carlo Simulation. Physical Review Letters, 2005, 94, 078103. | 7.8 | 42 |
| 90 | Propagating waves of self-assembly in organosilane monolayers. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10324-10329. | 7.1 | 42 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Fast Directed Motion of "Fakir―Droplets. Langmuir, 2004, 20, 9893-9896. | 3.5 | 41 |
| 92 | Computer simulation study of probe-target hybridization in model DNA microarrays: Effect of probe surface density and target concentration. Journal of Chemical Physics, 2007, 127, 144912. | 3.0 | 41 |
| 93 | Nanomechanics of opposing glycosaminoglycan macromolecules. Journal of Biomechanics, 2005, 38, 1789-1797. | 2.1 | 40 |
| 94 | Effect of Comonomer Sequence Distribution on the Adsorption of Random Copolymers onto Impenetrable Flat Surfaces. Macromolecules, 2009, 42, 2843-2853. | 4.8 | 40 |
| 95 | Self-folding of polymer sheets using microwaves and graphene ink. RSC Advances, 2015, 5, 89254-89261. | 3.6 | 40 |
| 96 | Light-Induced Reversible Change of Roughness and Thickness of Photosensitive Polymer Brushes. ACS Applied Materials & Interfaces, 2016, 8, 19175-19184. | 8.0 | 39 |
| 97 | Influence of surface topography attributes on settlement and adhesion of natural and synthetic species. Soft Matter, 2019, 15, 4045-4067. | 2.7 | 39 |
| 98 | Influence of indium–tin oxide surface structure on the ordering and coverage of carboxylic acid and thiol monolayers. Journal Physics D: Applied Physics, 2007, 40, 4212-4221. | 2.8 | 38 |
| 99 | Thermoresponsive PDMAEMA Brushes: Effect of Gold Nanoparticle Deposition. Journal of Physical Chemistry B, 2015, 119, 10348-10358. | 2.6 | 38 |
| 100 | Formation of Polyampholyte Brushes via Controlled Radical Polymerization and Their Assembly in Solution. Langmuir, 2012, 28, 872-882. | 3.5 | 37 |
| 101 | Water-Wettable Polypropylene Fibers by Facile Surface Treatment Based on Soy Proteins. ACS Applied Materials & Interfaces, 2013, 5, 6541-6548. | 8.0 | 37 |
| 102 | Swelling of Hydrophilic Polymer Brushes by Water and Alcohol Vapors. Macromolecules, 2016, 49, 4316-4329. | 4.8 | 37 |
| 103 | Modelling of shape memory polymer sheets that self-fold in response to localized heating. Soft Matter, 2015, 11, 7827-7834. | 2.7 | 36 |
| 104 | Orientations of Liquid Crystals in Contact with Surfaces that Present Continuous Gradients of Chemical Functionality. Chemistry of Materials, 2006, 18, 2357-2363. | 6.7 | 34 |
| 105 | Asphaltene Adsorption onto Self-Assembled Monolayers of Mixed Aromatic and Aliphatic Trichlorosilanes. Langmuir, 2009, 25, 6260-6269. | 3.5 | 34 |
| 106 | Making polymer brush photosensitive with azobenzene containing surfactants. Polymer, 2015, 79, 65-72. | 3.8 | 34 |
| 107 | Templating Surfaces with Gradient Assemblies. Journal of Adhesion, 2005, 81, 417-435. | 3.0 | 33 |
| 108 | Monte Carlo simulations of copolymer adsorption at planar chemically patterned surfaces: Effect of surface domain sizes. Journal of Chemical Physics, 2003, 119, 5274-5280. | 3.0 | 32 |

| # | Article | IF | CITATIONS |
|-----|---|------|-----------|
| 109 | Tuning the number density of nanoparticles by multivariant tailoring of attachment points on flat substrates. Nanotechnology, 2007, 18, 025301. | 2.6 | 32 |
| 110 | Polymer Nanotubules Obtained by Layerâ€byâ€Layer Deposition within AAOâ€Membrane Templates with Subâ€100â€nm Pore Diameters. Small, 2010, 6, 2683-2689. | 10.0 | 32 |
| 111 | Oligomer Orientation in Vapor-Molecular-Layer-Deposited Alkyl-Aromatic Polyamide Films. Langmuir, 2012, 28, 10464-10470. | 3.5 | 32 |
| 112 | Surface wrinkling by chemical modification of poly(dimethylsiloxane)-based networks during sputtering. Soft Matter, 2013, 9, 7797. | 2.7 | 32 |
| 113 | Asphaltene Adsorption onto Self-Assembled Monolayers of Alkyltrichlorosilanes of Varying Chain Length. ACS Applied Materials & Interfaces, 2009, 1, 1347-1357. | 8.0 | 31 |
| 114 | Responsive PET Nano/Microfibers via Surface-Initiated Polymerization. ACS Applied Materials & Interfaces, 2012, 4, 59-64. | 8.0 | 31 |
| 115 | "Grafting through―polymerization involving surfaceâ€bound monomers. Journal of Polymer Science Part A, 2016, 54, 263-274. | 2.3 | 31 |
| 116 | Drawing liquid metal wires at room temperature. Extreme Mechanics Letters, 2016, 7, 55-63. | 4.1 | 31 |
| 117 | Combinatorial near-edge x-ray absorption fine structure: Simultaneous determination of molecular orientation and bond concentration on chemically heterogeneous surfaces. Applied Physics Letters, 2003, 82, 266-268. | 3.3 | 30 |
| 118 | Computer Simulation Study of Molecular Recognition in Model DNA Microarrays. Biophysical Journal, 2006, 91, 2227-2236. | 0.5 | 30 |
| 119 | Simple geometric model to describe self-folding of polymer sheets. Physical Review E, 2014, 89, 042601. | 2.1 | 30 |
| 120 | Formation of surface-grafted polymeric amphiphilic coatings comprising ethylene glycol and fluorinated groups and their response to protein adsorption. Biointerphases, 2009, 4, FA33-FA44. | 1.6 | 29 |
| 121 | Formation of silicone elastomer networks films with gradients in modulus. Polymer, 2010, 51, 763-773. | 3.8 | 29 |
| 122 | Generation of Functional Coatings on Hydrophobic Surfaces through Deposition of Denatured Proteins Followed by Grafting from Polymerization. Biomacromolecules, 2012, 13, 1371-1382. | 5.4 | 29 |
| 123 | Surfaceâ€Bound Microgels for Separation, Sensing, and Biomedical Applications. Advanced Functional Materials, 2021, 31, 2104164. | 14.9 | 29 |
| 124 | Using spectroscopic ellipsometry for quick prediction of number density of nanoparticles bound to non-transparent solid surfaces. Surface Science, 2005, 596, 187-196. | 1.9 | 28 |
| 125 | Study of the Packing Density and Molecular Orientation of Bimolecular Self-Assembled Monolayers of Aromatic and Aliphatic Organosilanes on Silica. Langmuir, 2007, 23, 673-683. | 3.5 | 28 |
| 126 | Rapid Removal of Organics and Oil Spills from Waters Using Silicone Rubber "Sponges― Journal of Dispersion Science and Technology, 2009, 30, 318-327. | 2.4 | 27 |

| # | Article | IF | CITATIONS |
|-----|---|--------------------|---------------------|
| 127 | Instability of Surface-Grafted Weak Polyacid Brushes on Flat Substrates. Macromolecules, 2015, 48, 5677-5687. | 4.8 | 27 |
| 128 | Amidation of Polyesters Is Slow in Nonaqueous Solvents: Efficient Amidation of Poly(ethylene) Tj ETQqO 0 0 rgE ACS Applied Materials & Interfaces, 2016, 8, 35641-35649. | BT /Overloc 8.0 | k 10 Tf 50 70 27 |
| 129 | Effect of Molecular Weight on the Interfacial Excess, Tension, and Width in a Homopolymer/Binary Polymer Blend System. Macromolecules, 1998, 31, 870-878. | 4.8 | 26 |
| 130 | Mapping Surface Chemistry and Molecular Orientation with Combinatorial Near-Edge X-Ray Absorption Fine Structure Spectroscopy. Macromolecular Rapid Communications, 2004, 25, 141-149. | 3.9 | 26 |
| 131 | Nonequilibrium Model for Sorption and Swelling of Bulk Glassy Polymer Films with Supercritical Carbon Dioxide. Macromolecules, 2005, 38, 10299-10313. | 4.8 | 26 |
| 132 | Influence of gradient strength and composition profile on the onset of the cloud point transition in hydroxyethyl methacrylate/dimethylaminoethyl methacrylate gradient copolymers. Polymer, 2012, 53, 1131-1137. | 3.8 | 26 |
| 133 | Processing of Polyamide 11 with Supercritical Carbon Dioxide. Industrial & Engineering Chemistry Research, 2001, 40, 5570-5577. | 3.7 | 25 |
| 134 | Effect of Solvent Quality and Chain Confinement on the Kinetics of Polystyrene Bromination. Macromolecules, 2008, 41, 6719-6727. | 4.8 | 25 |
| 135 | Formation and Properties of Responsive Siloxaneâ€Based Polymeric Surfaces with Tunable Surface Reconstruction Kinetics. Advanced Functional Materials, 2009, 19, 460-469. | 14.9 | 25 |
| 136 | Adsorption of Glycinin and β-Conglycinin on Silica and Cellulose: Surface Interactions as a Function of Denaturation, pH, and Electrolytes. Biomacromolecules, 2012, 13, 387-396. | 5.4 | 25 |
| 137 | Progress in Computer Simulation of Bulk, Confined, and Surfaceâ€initiated Polymerizations. Macromolecular Theory and Simulations, 2013, 22, 8-30. | 1.4 | 25 |
| 138 | Polymer brushes modified by photosensitive azobenzene containing polyamines. Polymer, 2016, 98, 421-428. | 3.8 | 25 |
| 139 | Formation of Self-Assembled Monolayers of Semifluorinated and Hydrocarbon Chlorosilane Precursors on Silica Surfaces from Liquid Carbon Dioxide. Langmuir, 2002, 18, 6170-6179. | 3.5 | 24 |
| 140 | Surface Properties of Poly[2-(perfluorooctyl)ethyl acrylate] Deposited from Liquid CO2 High-Pressure Free Meniscus Coating. Macromolecules, 2007, 40, 588-597. | 4.8 | 24 |
| 141 | Cloud point suppression in dilute solutions of model gradient copolymers with prespecified composition profiles. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 629-637. | 2.1 | 24 |
| 142 | Phase behavior of gradient copolymer solutions: a Monte Carlo simulation study. Soft Matter, 2012, 8, 6471. | 2.7 | 24 |
| 143 | Copolymer adsorption on planar substrates with a random distribution of chemical heterogeneities. Journal of Chemical Physics, 2001, 115, 4873-4882. | 3.0 | 23 |
| 144 | Self-consistent field study of copolymer adsorption at planar chemically â€~rough' surfaces: an interplay between the substrate chemical pattern and copolymer sequence distribution. Advances in Colloid and Interface Science, 2001, 94, 105-134. | 14.7 | 22 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Formation and properties of multivariant assemblies of surface-tethered diblock and triblock copolymers. Polymer, 2008, 49, 4837-4845. | 3.8 | 22 |
| 146 | Adsorption of PEO–PPO–PEO Triblock Copolymers with End-Capped Cationic Chains of Poly(2-dimethylaminoethyl methacrylate). Langmuir, 2011, 27, 9769-9780. | 3.5 | 22 |
| 147 | Polymer Brush/Metal Nanoparticle Hybrids for Optical Sensor Applications: from Self-Assembly to Tailored Functions and Nanoengineering. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1089-1117. | 2.8 | 22 |
| 148 | Characterization of Monolayer Formation on Aluminum-Doped Zinc Oxide Thin Films. Langmuir, 2008, 24, 433-440. | 3.5 | 21 |
| 149 | Photochromic materials with tunable color and mechanical flexibility. Soft Matter, 2011, 7, 3766-3774. | 2.7 | 21 |
| 150 | Effect of gold nanoparticle hydrophobicity on thermally induced color change of PNIPAM brush/gold nanoparticle hybrids. Polymer, 2016, 98, 454-463. | 3.8 | 21 |
| 151 | Self-Folding of Thick Polymer Sheets Using Gradients of Heat. Journal of Mechanisms and Robotics, 2016, 8, . | 2.2 | 21 |
| 152 | A fully coupled thermoâ€viscoelastic finite element model for selfâ€folding shape memory polymer sheets. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1207-1219. | 2.1 | 21 |
| 153 | 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. Macromolecules, 2017, 50, 8580-8587. | 4.8 | 21 |
| 154 | Thermo-mechanical transformation of shape memory polymers from initially flat discs to bowls and saddles. Smart Materials and Structures, 2019, 28, 045011. | 3.5 | 21 |
| 155 | Counterpropagating Gradients of Antibacterial and Antifouling Polymer Brushes. Biomacromolecules, 2022, 23, 424-430. | 5.4 | 21 |
| 156 | Copolymer Adsorption on Planar Chemically Heterogeneous Substrates: The Interplay between the Monomer Sequence Distribution and Interaction Energies. Macromolecular Theory and Simulations, 2002, 11, 481. | 1.4 | 20 |
| 157 | Time Dependence of Lysozyme Adsorption on End-Grafted Polymer Layers of Variable Grafting Density and Length. Langmuir, 2012, 28, 2122-2130. | 3.5 | 19 |
| 158 | Effect of Network Density in Surface-Anchored Poly(<i>N</i> -isopropylacrylamide) Hydrogels on Adsorption of Fibrinogen. Langmuir, 2017, 33, 1974-1983. | 3.5 | 19 |
| 159 | The interface between immiscible polymers studied by low-energy forward recoil spectrometry and neutron reflectivity. Polymer, 1999, 40, 4223-4228. | 3.8 | 18 |
| 160 | Copolymer-assisted generation of three-dimensional patterns by replicating two-dimensional substrate motifs. Physical Review E, 2001, 63, 022601. | 2.1 | 18 |
| 161 | Monte Carlo Simulations of Copolymer Adsorption at Planar Chemically Patterned Surfaces: Effect of Interfacial Interaction. Macromolecular Theory and Simulations, 2004, 13, 219-229. | 1.4 | 18 |
| 162 | Dewetting Behavior of a Block Copolymer/Homopolymer Thin Film on an Immiscible Homopolymer Substrate. Langmuir, 2004, 20, 8659-8667. | 3.5 | 18 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Thiol-containing polymeric embedding materials for nanoskiving. Journal of Materials Chemistry C, 2013, 1, 121-130. | 5.5 | 18 |
| 164 | Poly(vinylmethylsiloxane) Elastomer Networks as Functional Materials for Cell Adhesion and Migration Studies. Biomacromolecules, 2011, 12, 1265-1271. | 5.4 | 17 |
| 165 | Spontaneous Degrafting of Weak and Strong Polycationic Brushes in Aqueous Buffer Solutions. Macromolecules, 2019, 52, 6192-6200. | 4.8 | 17 |
| 166 | Obtaining Concentration Profiles from Computer Simulation Structure Factors. Macromolecules, 2007, 40, 2629-2632. | 4.8 | 16 |
| 167 | Modification of PET surfaces with self-assembled monolayers of organosilane precursors. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 95-103. | 1.7 | 16 |
| 168 | Surface and Friction Behavior of a Silicone Surfactant Adsorbed on Model Textiles Substrates. Industrial & Engineering Chemistry Research, 2010, 49, 8550-8557. | 3.7 | 16 |
| 169 | Neutron reflectometry of supported hybrid bilayers with inserted peptide. Soft Matter, 2010, 6, 862. | 2.7 | 16 |
| 170 | Multilayers of Weak Polyelectrolytes of Low and High Molecular Mass Assembled on Polypropylene and Self-Assembled Hydrophobic Surfaces. Langmuir, 2011, 27, 4541-4550. | 3.5 | 16 |
| 171 | Effect of copolymer compatibilizer sequence on the dynamics of phase separation of immiscible binary homopolymer blends. Soft Matter, 2011, 7, 10620. | 2.7 | 16 |
| 172 | Toward the Development of a Versatile Functionalized Silicone Coating. ACS Applied Materials & Interfaces, 2014, 6, 22544-22552. | 8.0 | 16 |
| 173 | Surface-Anchored Poly(<i>N</i> -isopropylacrylamide) Orthogonal Gradient Networks. Macromolecules, 2016, 49, 5076-5083. | 4.8 | 16 |
| 174 | Statistical copolymers of 2â€(trimethylsilyloxy)ethyl methacrylate and methyl methacrylate synthesized by ATRP. Journal of Polymer Science Part A, 2008, 46, 1919-1923. | 2.3 | 15 |
| 175 | Discriminating Among Coâ€monomer Sequence Distributions in Random Copolymers Using Interaction Chromatography. Macromolecular Rapid Communications, 2009, 30, 1543-1548. | 3.9 | 15 |
| 176 | Development of a fused-sphere SAFT-Î ³ Mie force field for poly(vinyl alcohol) and poly(ethylene). Journal of Chemical Physics, 2019, 150, 034901. | 3.0 | 15 |
| 177 | Glass Transition Temperatures of Styrene/4-BrStyrene Copolymers with Variable Co-Monomer Compositions and Sequence Distributions. Macromolecules, 2010, 43, 6912-6914. | 4.8 | 14 |
| 178 | Protein-Like Copolymers (PLCs) as Compatibilizers for Homopolymer Blends. Macromolecules, 2010, 43, 5149-5157. | 4.8 | 14 |
| 179 | Block copolymer self-organization vs. interfacial modification in bilayered thin-film laminates. Soft Matter, 2011, 7, 3268. | 2.7 | 14 |
| 180 | Phase Separation Dynamics for a Polymer Blend Compatibilized by Protein-like Copolymers: A Monte Carlo Simulation. Macromolecules, 2011, 44, 8284-8293. | 4.8 | 14 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 181 | Self-healing and repair of fabrics: A comprehensive review of the application toolkit. Materials Today, 2022, 54, 90-109. | 14.2 | 14 |
| 182 | Computer Simulation of Template Polymerization Using a Controlled Reaction Scheme. Macromolecules, 2013, 46, 2474-2484. | 4.8 | 13 |
| 183 | Beyond microstructures: Using the Kerr Effect to characterize the macrostructures of synthetic polymers. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 155-166. | 2.1 | 13 |
| 184 | Kinetic Study of Degrafting Poly(methyl methacrylate) Brushes from Flat Substrates by Tetrabutylammonium Fluoride. Macromolecules, 2018, 51, 10237-10245. | 4.8 | 13 |
| 185 | Autophobicity-Driven Surface Segregation and Patterning of Coreâ `Shell Microgel Nanoparticles. Nano Letters, 2008, 8, 3010-3016. | 9.1 | 12 |
| 186 | Design of Copolymers with Tunable Randomness Using Discontinuous Molecular Dynamics Simulation. Macromolecules, 2009, 42, 9063-9071. | 4.8 | 12 |
| 187 | Affinity interactions of human immunoglobulin G with short peptides: role of ligand spacer on binding, kinetics, and mass transfer. Analytical and Bioanalytical Chemistry, 2016, 408, 1829-1841. | 3.7 | 12 |
| 188 | Enhanced mid-wavelength infrared refractive index of organically modified chalcogenide (ORMOCHALC) polymer nanocomposites with thermomechanical stability. Optical Materials, 2020, 108, 110197. | 3.6 | 12 |
| 189 | Dewetting of Star Nanogel/Homopolymer Blends from an Immiscible Homopolymer Substrate. Macromolecules, 2004, 37, 7857-7860. | 4.8 | 11 |
| 190 | Behavior of Surface-Anchored Poly(acrylic acid) Brushes with Grafting Density Gradients on Solid Substrates. , 2005, , 287-315. | | 11 |
| 191 | Design of random copolymers with statistically controlled monomer sequence distributions via Monte Carlo simulations. Journal of Chemical Physics, 2006, 125, 014902. | 3.0 | 11 |
| 192 | Tunable Instability Mechanisms of Polymer Thin Films by Molecular Self-Assembly. Langmuir, 2006, 22, 8642-8645. | 3.5 | 11 |
| 193 | Investigating the Molecular Origins of Responsiveness in Functional Silicone Elastomer Networks. Macromolecules, 2010, 43, 5043-5051. | 4.8 | 11 |
| 194 | The effect of confinement on thermal frontal polymerization. Polymer Chemistry, 2012, 3, 3243. | 3.9 | 11 |
| 195 | Effects of thermo-mechanical behavior and hinge geometry on folding response of shape memory polymer sheets. Journal of Applied Physics, 2017, 122, . | 2.5 | 11 |
| 196 | Light-Induced Structuring of Photosensitive Polymer Brushes. ACS Applied Polymer Materials, 2019, 1, 3017-3026. | 4.4 | 11 |
| 197 | Nonwoven fiber mats with thermo-responsive permeability to inorganic and organic electrolytes. Journal of Membrane Science, 2020, 616, 118439. | 8.2 | 11 |
| 198 | Surface Enrichment in a Miscible Random Copolymer Blend:  Influence of Polydispersity and Architecture. Macromolecules, 1999, 32, 4098-4105. | 4.8 | 10 |

| # | Article | IF | CITATIONS |
|-----|---|------|-----------|
| 199 | Experimental and Computational Study of the Effect of Alcohols on the Solution and Adsorption Properties of a Nonionic Symmetric Triblock Copolymer. Journal of Physical Chemistry B, 2012, 116, 1289-1298. | 2.6 | 10 |
| 200 | Film-Stabilizing Attributes of Polymeric Core–Shell Nanoparticles. ACS Nano, 2015, 9, 7940-7949. | 14.6 | 10 |
| 201 | Creating surface patterns of polymer brushes by degrafting via tetrabutyl ammonium fluoride. RSC Advances, 2015, 5, 86120-86125. | 3.6 | 10 |
| 202 | Design and Fabrication of Wettability Gradients with Tunable Profiles through Degrafting Organosilane Layers from Silica Surfaces by Tetrabutylammonium Fluoride. Langmuir, 2017, 33, 14556-14564. | 3.5 | 10 |
| 203 | Generating Surface-Anchored Zwitterionic Networks and Studying Their Resistance to Bovine Serum Albumin Adsorption. ACS Applied Polymer Materials, 2019, 1, 3323-3333. | 4.4 | 10 |
| 204 | Shrink Films Get a Grip. ACS Applied Polymer Materials, 2019, 1, 1088-1095. | 4.4 | 10 |
| 205 | Effect of Poly(vinyl butyral) Comonomer Sequence on Adhesion to Amorphous Silica: A Coarse-Grained Molecular Dynamics Study. ACS Applied Materials & Interfaces, 2020, 12, 47879-47890. | 8.0 | 10 |
| 206 | In-plane deformation of shape memory polymer sheets programmed using only scissors. Polymer, 2014, 55, 5948-5952. | 3.8 | 9 |
| 207 | Proteinlike Copolymers as Encapsulating Agents for Small-Molecule Solutes. Langmuir, 2015, 31, 3518-3526. | 3.5 | 9 |
| 208 | Multipurpose Polymeric Coating for Functionalizing Inert Polymer Surfaces. ACS Applied Materials & Interfaces, 2016, 8, 5694-5705. | 8.0 | 9 |
| 209 | Thermally Activated One-Pot, Simultaneous Radical and Condensation Reactions Generate Surface-Anchored Network Layers from Common Polymers. Macromolecules, 2019, 52, 700-707. | 4.8 | 9 |
| 210 | Effects of Synthetic Amphiphilic α-Helical Peptides on the Electrochemical and Structural Properties of Supported Hybrid Bilayers on Gold. Langmuir, 2006, 22, 1919-1927. | 3.5 | 8 |
| 211 | ATRP of 2â€vinylpyridine and <i>tert</i> â€butyl acrylate mixtures giving precursors of polyampholytes. Journal of Polymer Science Part A, 2010, 48, 735-741. | 2.3 | 8 |
| 212 | Effect of Protein-like Copolymers Composition on the Phase Separation Dynamics of a Polymer Blend: A Monte Carlo Simulation. Macromolecules, 2013, 46, 4207-4214. | 4.8 | 8 |
| 213 | Adsorption of "soft―spherical particles onto sinusoidally-corrugated substrates. Soft Matter, 2014, 10, 7452-7458. | 2.7 | 8 |
| 214 | Visualization of Mechanochemically-Assisted Degrafting of Surface-Tethered Poly(Acrylic Acid) Brushes. ACS Macro Letters, 2018, 7, 609-613. | 4.8 | 8 |
| 215 | Computer Simulation of Surfaceâ€Initiated Controlled Radical Polymerization: Effect of Freeâ€Monomer Model on Brush Properties. Macromolecular Theory and Simulations, 2019, 28, 1900033. | 1.4 | 8 |
| 216 | Packing density, homogeneity, and regularity: Quantitative correlations between topology and thermoresponsive morphology of PNIPAM-co-PAA microgel coatings. Applied Surface Science, 2020, 508, 145129. | 6.1 | 8 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Design of High Efficient Midâ€Wavelength Infrared Polarizer on ORMOCHALC Polymer. Macromolecular Materials and Engineering, 2020, 305, 2000033. | 3.6 | 8 |
| 218 | Continuous Ligand-Free Suzuki–Miyaura Cross-Coupling Reactions in a Cartridge Flow Reactor Using a Gel-Supported Catalyst. Industrial & Engineering Chemistry Research, 2021, 60, 9418-9428. | 3.7 | 8 |
| 219 | Meanâ€field theory of the interface between a homopolymer and a binaryâ€polymer mixture. Journal of Chemical Physics, 1996, 105, 10134-10144. | 3.0 | 7 |
| 220 | A self-consistent field study of the wetting transition in binary polymer blends. Journal of Chemical Physics, 1997, 106, 1257-1263. | 3.0 | 7 |
| 221 | Controlling Comonomer Distribution in Random Copolymers by Chemical Coloring of Surface-Tethered Homopolymers: An Insight from Discontinuous Molecular Dynamics Simulation. Langmuir, 2010, 26, 8810-8820. | 3.5 | 7 |
| 222 | Adsorption of Multiple Spherical Particles onto Sinusoidally Corrugated Substrates. Langmuir, 2014, 30, 9407-9417. | 3.5 | 7 |
| 223 | Determining Water Sorption and Desorption in Thin Hydrophilic Polymer Films by Thermal Treatment. ACS Applied Polymer Materials, 2019, 1, 2495-2502. | 4.4 | 7 |
| 224 | Direct measurement of rate-dependent mode I and mode II traction-separation laws for cohesive zone modeling of laminated glass. Composite Structures, 2022, 279, 114759. | 5.8 | 7 |
| 225 | Charge- and temperature-dependent interactions between anionic poly(N-isopropylacrylamide) polymers in solution and a cationic surfactant at the water/air interface. Soft Matter, 2011, 7, 8498. | 2.7 | 6 |
| 226 | Microfluidic channels fabricated from poly(vinylmethylsiloxane) networks that resist swelling by organic solvents. Lab on A Chip, 2013, 13, 4317. | 6.0 | 6 |
| 227 | Evolution of Homopolymer Thin-Film Instability on Surface-Anchored Diblock Copolymers Varying in Composition. Langmuir, 2014, 30, 11689-11695. | 3.5 | 6 |
| 228 | Shape memory polymers for selfâ€folding via compression of thermoplastic sheets. Journal of Applied Polymer Science, 2018, 135, 46889. | 2.6 | 6 |
| 229 | Network-supported, metal-mediated catalysis: progress and perspective. Reaction Chemistry and Engineering, 2020, 5, 1892-1902. | 3.7 | 6 |
| 230 | Extending the fused-sphere SAFT-Î ³ Mie force field parameterization approach to poly(vinyl butyral) copolymers. Journal of Chemical Physics, 2020, 152, 044903. | 3.0 | 6 |
| 231 | Determining the Polydispersity in Chemical Composition and Monomer Sequence Distribution in Random Copolymers Prepared by Postpolymerization Modification of Homopolymers. ACS Macro Letters, 2012, 1, 1128-1133. | 4.8 | 5 |
| 232 | Fabrication of Flexible Hydrogel Sheets Featuring Periodically Spaced Circular Holes with Continuously Adjustable Size in Real Time. ACS Applied Materials & Interfaces, 2018, 10, 30844-30851. | 8.0 | 5 |
| 233 | Application of a Laser Cutter to Pattern Wrinkles on Polymer Films. ACS Applied Polymer Materials, 2020, 2, 1848-1855. | 4.4 | 5 |
| 234 | Dual-Responsive Microgels for Structural Repair and Recovery of Nonwoven Membranes for Liquid Filtration. ACS Applied Polymer Materials, 2021, 3, 1508-1517. | 4.4 | 5 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 235 | Simulation of Mechanically Assembled Monolayers and Polymers in Good Solvent Using Discontinuous Molecular Dynamics. Macromolecules, 2008, 41, 6573-6581. | 4.8 | 4 |
| 236 | Targeted Mutagenesis and Combinatorial Library Screening Enables Control of Protein Orientation on Surfaces and Increased Activity of Adsorbed Proteins. Langmuir, 2016, 32, 8660-8667. | 3.5 | 4 |
| 237 | Effect of surface interactions on the settlement of particles on a sinusoidally corrugated substrate. RSC Advances, 2020, 10, 11348-11356. | 3.6 | 4 |
| 238 | Stiff or Extensible in Seconds: Lightâ€induced Corrugations in Thin Polymer Sheets. Advanced Materials Technologies, 2021, 6, . | 5.8 | 4 |
| 239 | UV―and Thermallyâ€Active Bifunctional Gelators Create Surfaceâ€Anchored Polymer Networks. Macromolecular Rapid Communications, 2021, 42, e2100266. | 3.9 | 4 |
| 240 | Novel computational design of high refractive index nanocomposites and effective refractive index tuning based on nanoparticle morphology effect. Composites Part B: Engineering, 2021, 223, 109128. | 12.0 | 4 |
| 241 | Tuning the Surface Properties of Elastomers Using Hydrocarbon-Based Mechanically Assembled Monolayers. Materials Research Society Symposia Proceedings, 2001, 710, 1. | 0.1 | 3 |
| 242 | Manipulating Siloxane Surfaces: Obtaining the Desired Surface Function via Engineering Design. ACS Symposium Series, 2007, , 222-255. | 0.5 | 3 |
| 243 | Interfacial stabilization of bilayered nanolaminates by asymmetric block copolymers. Applied Physics Letters, 2012, 100, 101602. | 3.3 | 3 |
| 244 | Self-assembly fronts in collision: impinging ordering organosilane layers. Soft Matter, 2013, 9, 2493. | 2.7 | 3 |
| 245 | Buckled Topography to Enhance Light Absorption in Thin Film Organic Photovoltaics Comprising CuPc/C ₆₀ Bilayer Laminates. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1251-1261. | 2.8 | 3 |
| 246 | Further insight into the mechanism of poly(styrene-co -methyl methacrylate) microsphere formation. Journal of Polymer Science Part A, 2017, 55, 2249-2259. | 2.3 | 3 |
| 247 | Sensors: Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers (Adv. Funct. Mater. 20/2017). Advanced Functional Materials, 2017, 27, . | 14.9 | 3 |
| 248 | Adsorption of size-polydisperse particles on sinusoidally corrugated surfaces. Molecular Simulation, 2018, 44, 494-506. | 2.0 | 3 |
| 249 | Dependence of deposition method on the molecular structure and stability of organosilanes revealed from degrafting by tetrabutylammonium fluoride. Physical Chemistry Chemical Physics, 2020, 22, 658-666. | 2.8 | 3 |
| 250 | Metallothionein-inspired prototype of molecular pincer. Chemical Communications, 2011, 47, 8067. | 4.1 | 2 |
| 251 | Thermally driven directional free-radical polymerization in confined channels. Polymer Chemistry, 2019, 10, 920-925. | 3.9 | 2 |
| 252 | Charge Density Gradients of Polymer Thin Film by Gaseous Phase Quaternization. ACS Macro Letters, 2020, 9, 158-162. | 4.8 | 2 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Functional Gels Containing Hydroxamic Acid Degrade Organophosphates in Aqueous Solutions. Industrial & Engineering Chemistry Research, 2021, 60, 8799-8811. | 3.7 | 2 |
| 254 | Wetting reversal transition in phaseâ€separated polymer mixtures. Macromolecular Symposia, 1999, 139, 77-85. | 0.7 | 1 |
| 255 | Theoretical study of kinetics of zipping phenomena in biomimetic polymers. Physical Review E, 2007, 76, 011915. | 2.1 | 1 |
| 256 | Creating Functional Materials by Chemical and Physical Functionalization of Silicone Elastomer Networks. Advances in Silicon Science, 2012, , 59-94. | 0.6 | 1 |
| 257 | Mechanochemical Degrafting of a Surface-Tethered Poly(acrylic acid) Brush Promoted Etching of Its Underlying Silicon Substrate. Langmuir, 2019, 35, 13693-13699. | 3.5 | 1 |
| 258 | Dynamic Surfaces—Degradable Polyester Networks that Resist Protein Adsorption. Langmuir, 2021, 37, 8978-8988. | 3.5 | 1 |
| 259 | Tuning the Properties of Surface-Anchored Polymer Networks by Varying the Concentration of a Thermally Activated Cross-Linker, Annealing Time, and Temperature in a One-Pot Reaction. ACS Applied Polymer Materials, 2021, 3, 5568-5577. | 4.4 | 1 |
| 260 | Degradable Anti-Biofouling Polyester Coatings with Controllable Lifetimes. Langmuir, 2022, 38, 1488-1496. | 3.5 | 1 |
| 261 | Monte Carlo Simulations of Copolymer Adsorption from Copolymer / Homopolymer Melts at Planar Chemically Patterned Surfaces. Materials Research Society Symposia Proceedings, 2001, 710, 1. | 0.1 | 0 |
| 262 | Development of High-Throughput substrates for Generating Two-Dimensional Nanoparticles Assemblies and for Screening Protein Adsorption. Materials Research Society Symposia Proceedings, 2003, 804, 178. | 0.1 | 0 |
| 263 | Simulation of Mechanically-Assembled Monolayers In Poor Solvent Using Discontinuous Molecular Dynamics. Macromolecules, 2010, 43, 3072-3080. | 4.8 | 0 |
| 264 | Controlled heating and alignment platform enhances versatility in colloidal probe fabrication. Review of Scientific Instruments, 2020, 91, 013903. | 1.3 | 0 |
| 265 | 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. | 2.5 | 0 |
| 266 | Deposition of silicate coatings on poly(ethylene terephthalate) for improved scratch and solvent resistance. Journal of Applied Polymer Science, 2022, 139, 51800. | 2.6 | 0 |