Steve Granick

List of Publications by Year in descending order

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| | | 30070 | 23533 |
|----------|----------------|--------------|----------------|
| 167 | 12,838 | 54 | 111 |
| papers | citations | h-index | g-index |
| | | | |
| | | | |
| 175 | 175 | 175 | 11210 |
| 1/5 | 1/5 | 1/5 | 11318 |
| all docs | docs citations | times ranked | citing authors |
| | | | |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Directed self-assembly of a colloidal kagome lattice. Nature, 2011, 469, 381-384. | 27.8 | 1,068 |
| 2 | Janus Particle Synthesis and Assembly. Advanced Materials, 2010, 22, 1060-1071. | 21.0 | 690 |
| 3 | Layered, Erasable Polymer Multilayers Formed by Hydrogen-Bonded Sequential Self-Assembly. Macromolecules, 2002, 35, 301-310. | 4.8 | 500 |
| 4 | Simple Method to Produce Janus Colloidal Particles in Large Quantity. Langmuir, 2006, 22, 9495-9499. | 3.5 | 491 |
| 5 | Supracolloidal Reaction Kinetics of Janus Spheres. Science, 2011, 331, 199-202. | 12.6 | 479 |
| 6 | When Brownian diffusion is not Gaussian. Nature Materials, 2012, 11, 481-485. | 27.5 | 442 |
| 7 | Reconfiguring active particles by electrostaticÂimbalance. Nature Materials, 2016, 15, 1095-1099. | 27.5 | 414 |
| 8 | Anomalous yet Brownian. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15160-15164. | 7.1 | 390 |
| 9 | Slippery questions about complex fluids flowing past solids. Nature Materials, 2003, 2, 221-227. | 27.5 | 362 |
| 10 | Linking synchronization to self-assembly using magnetic Janus colloids. Nature, 2012, 491, 578-581. | 27.8 | 339 |
| 11 | Clusters of Charged Janus Spheres. Nano Letters, 2006, 6, 2510-2514. | 9.1 | 321 |
| 12 | Colloidal-Sized Metal–Organic Frameworks: Synthesis and Applications. Accounts of Chemical Research, 2014, 47, 459-469. | 15.6 | 302 |
| 13 | Clusters of Amphiphilic Colloidal Spheres. Langmuir, 2008, 24, 621-625. | 3.5 | 251 |
| 14 | Janus Particle Synthesis, Assembly, and Application. Langmuir, 2017, 33, 6964-6977. | 3.5 | 251 |
| 15 | From dynamic self-assembly to networked chemical systems. Chemical Society Reviews, 2017, 46, 5647-5678. | 38.1 | 241 |
| 16 | Controlling the Geometry (Janus Balance) of Amphiphilic Colloidal Particles. Langmuir, 2008, 24, 2438-2445. | 3.5 | 202 |
| 17 | Diffusion of a polymer â€~pancake'. Nature, 2000, 406, 146-146. | 27.8 | 164 |
| 18 | Electric Field-Induced Assembly of Monodisperse Polyhedral Metal–Organic Framework Crystals. Journal of the American Chemical Society, 2013, 135, 34-37. | 13.7 | 158 |

| # | Article | IF | CITATIONS |
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| 19 | Equation for Slip of Simple Liquids at Smooth Solid Surfaces. Langmuir, 2003, 19, 5065-5071. | 3.5 | 153 |
| 20 | Kinetics of polymer adsorption and desorption. Physical Review Letters, 1991, 66, 899-902. | 7.8 | 152 |
| 21 | Macromolecules at surfaces: Research challenges and opportunities from tribology to biology. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2755-2793. | 2.1 | 151 |
| 22 | Active colloids with collective mobility status and research opportunities. Chemical Society Reviews, 2017, 46, 5551-5569. | 38.1 | 145 |
| 23 | Triblock Colloids for Directed Self-Assembly. Journal of the American Chemical Society, 2011, 133, 7725-7727. | 13.7 | 141 |
| 24 | Local Electrostatics within a Polyelectrolyte Multilayer with Embedded Weak Polyelectrolyte. Macromolecules, 2002, 35, 1805-1813. | 4.8 | 131 |
| 25 | Surface Diffusion of Poly(ethylene glycol). Macromolecules, 2002, 35, 1776-1784. | 4.8 | 130 |
| 26 | Stick to slip transition and adhesion of lubricated surfaces in moving contact. Journal of Chemical Physics, 1994, 101, 2606-2615. | 3.0 | 124 |
| 27 | Even Hard-Sphere Colloidal Suspensions Display Fickian Yet Non-Gaussian Diffusion. ACS Nano, 2014, 8, 3331-3336. | 14.6 | 123 |
| 28 | Memoryless self-reinforcing directionality in endosomal active transport within living cells. Nature Materials, 2015, 14, 589-593. | 27.5 | 123 |
| 29 | Toward Design Rules of Directional Janus Colloidal Assembly. Annual Review of Physical Chemistry, 2015, 66, 581-600. | 10.8 | 122 |
| 30 | Solvent-Free Synthesis of Janus Colloidal Particles. Langmuir, 2008, 24, 10073-10077. | 3.5 | 120 |
| 31 | Janus and Multiblock Colloidal Particles. Langmuir, 2012, 28, 13555-13561. | 3.5 | 117 |
| 32 | Enzyme leaps fuel antichemotaxis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 14-18. | 7.1 | 110 |
| 33 | The Bimodal Energy Landscape When Polymers Adsorb. Langmuir, 1996, 12, 994-996. | 3.5 | 106 |
| 34 | A Curious Antipathy for Water. Science, 2008, 322, 1477-1478. | 12.6 | 106 |
| 35 | No-Slip Boundary Condition Switches to Partial Slip When Fluid Contains Surfactant. Langmuir, 2002, 18, 10058-10063. | 3.5 | 105 |
| 36 | Catalytic enzymes are active matter. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10812-E10821. | 7.1 | 98 |

| # | Article | IF | CITATIONS |
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| 37 | Soft Matter in a Tight Spot: Nanorheology of Confined Liquids and Block Copolymers. Israel Journal of Chemistry, 1995, 35, 75-84. | 2.3 | 95 |
| 38 | Single-Molecule Observation of Long Jumps in Polymer Adsorption. ACS Nano, 2013, 7, 9735-9742. | 14.6 | 92 |
| 39 | Reassessment of Solidification in Fluids Confined between Mica Sheets. Langmuir, 2003, 19, 8148-8151. | 3.5 | 87 |
| 40 | Directed Selfâ€Assembly Pathways of Active Colloidal Clusters. Angewandte Chemie - International Edition, 2016, 55, 5166-5169. | 13.8 | 87 |
| 41 | Transition from static to kinetic friction in a model lubricated system. Journal of Chemical Physics, 1998, 109, 6889-6897. | 3.0 | 81 |
| 42 | Polyelectrolyte adsorption onto an initially-bare solid surface of opposite electrical charge. Journal of Chemical Physics, 1998, 109, 6861-6868. | 3.0 | 79 |
| 43 | Origins of solidification when a simple molecular fluid is confined between two plates. Journal of Chemical Physics, 2001, 115, 1498-1512. | 3.0 | 79 |
| 44 | A Simple Method to Produce Trivalent Colloidal Particles. Langmuir, 2009, 25, 8915-8918. | 3.5 | 76 |
| 45 | Microscopic study of thin film lubrication and its contributions to macroscopic tribology. Tribology Letters, 1998, 5, 81-88. | 2.6 | 75 |
| 46 | Janus Colloidal Matchsticks. Journal of the American Chemical Society, 2012, 134, 12901-12903. | 13.7 | 75 |
| 47 | How Polymer Surface Diffusion Depends on Surface Coverage. Macromolecules, 2007, 40, 1243-1247. | 4.8 | 70 |
| 48 | Effective temperature concept evaluated in an active colloid mixture. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7513-7518. | 7.1 | 70 |
| 49 | Giant capsids from lattice self-assembly of cyclodextrin complexes. Nature Communications, 2017, 8, 15856. | 12.8 | 65 |
| 50 | Boosted molecular mobility during common chemical reactions. Science, 2020, 369, 537-541. | 12.6 | 62 |
| 51 | Confining Potential when a Biopolymer Filament Reptates. Physical Review Letters, 2010, 104, 118301. | 7.8 | 61 |
| 52 | Active phase separation by turning towards regions of higher density. Nature Physics, 2021, 17, 961-967. | 16.7 | 61 |
| 53 | How Polyelectrolyte Adsorption Depends on History: A Combined Fourier Transform Infrared Spectroscopy in Attenuated Total Reflection and Surface Forces Study. Langmuir, 1999, 15, 8474-8482. | 3.5 | 57 |
| 54 | Single-Particle Colloid Tracking in Four Dimensions. Langmuir, 2006, 22, 9812-9815. | 3.5 | 56 |

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| 55 | Critique of the Friction Coefficient Concept for Wet (Lubricated) Slidingâ€. Langmuir, 1996, 12, 4537-4542. | 3.5 | 55 |
| 56 | Apparent Slip of Newtonian Fluids Past Adsorbed Polymer Layers. Macromolecules, 2002, 35, 4658-4663. | 4.8 | 55 |
| 57 | Adsorption of human serum albumin: Dependence on molecular architecture of the oppositely charged surface. Journal of Chemical Physics, 1999, 110, 10153-10161. | 3.0 | 54 |
| 58 | Surface Forces in the Tapping Mode:  Solvent Permeability and Hydrodynamic Thickness of Adsorbed Polymer Brushes. Macromolecules, 1997, 30, 1079-1085. | 4.8 | 53 |
| 59 | Cationic Nanoparticles Stabilize Zwitterionic Liposomes Better than Anionic Ones. Journal of Physical Chemistry C, 2007, 111, 8233-8236. | 3.1 | 53 |
| 60 | Machine learning assembly landscapes from particle tracking data. Soft Matter, 2015, 11, 8141-8153. | 2.7 | 53 |
| 61 | Self-assembly of octadecyltrichlorosilane monolayers on mica. Journal of Materials Research, 1990, 5, 1745-1751. | 2.6 | 51 |
| 62 | Selective Janus Particle Assembly at Tipping Points of Thermallyâ€ S witched Wetting. Angewandte Chemie - International Edition, 2014, 53, 4364-4367. | 13.8 | 51 |
| 63 | Cell migration in microengineered tumor environments. Lab on A Chip, 2017, 17, 4171-4185. | 6.0 | 51 |
| 64 | Orientationally Glassy Crystals of Janus Spheres. Physical Review Letters, 2014, 112, . | 7.8 | 50 |
| 65 | Liquidâ€Cell Electron Microscopy of Adsorbed Polymers. Advanced Materials, 2017, 29, 1703555. | 21.0 | 50 |
| 66 | Intermediate states of molecular self-assembly from liquid-cell electron microscopy. Proceedings of the United States of America, 2020, 117, 1283-1292. | 7.1 | 48 |
| 67 | Methods to Track Single-Molecule Trajectories. Langmuir, 2006, 22, 5266-5272. | 3.5 | 45 |
| 68 | Influence of Alignment of Crystalline Confining Surfaces on Static Forces and Shear in a Liquid Crystal, 4â€~-n-Pentyl-4-cyanobiphenyl. Langmuir, 2000, 16, 8368-8376. | 3.5 | 44 |
| 69 | Substrate curvature affects the shape, orientation, and polarization of renal epithelial cells. Acta Biomaterialia, 2018, 77, 311-321. | 8.3 | 42 |
| 70 | Self-assembly of octadecyltrichlorosilane films on mica. Journal of Applied Polymer Science, 1989, 37, 2767-2772. | 2.6 | 41 |
| 71 | Tribology of Confined Fomblin-Z Perfluoropolyalkyl Ethers:  Role of Chain-End Chemical Functionality. Journal of Physical Chemistry B, 1999, 103, 8711-8721. | 2.6 | 40 |
| 72 | Biolubrication:Â Hyaluronic Acid and the Influence on Its Interfacial Viscosity of an Antiinflammatory Drug. Macromolecules, 2003, 36, 973-976. | 4.8 | 38 |

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| 73 | Tribology Studied Using Atomically Smooth Surfaces. Tribology Transactions, 1990, 33, 436-446. | 2.0 | 37 |
| 74 | Molecular Tribology of Fluid Lubrication: Shear Thinning. Tribology Transactions, 1992, 35, 405-410. | 2.0 | 37 |
| 75 | Temperature Gradients Induce Phase Separation in a Miscible Polymer Solution. Physical Review Letters, 1996, 77, 1990-1993. | 7.8 | 36 |
| 76 | Optorheological Studies of Sheared Confined Fluids with Mesoscopic Thickness. Langmuir, 1998, 14, 1156-1161. | 3.5 | 35 |
| 77 | Dielectric response of polymer films confined between mica surfaces. Journal of Chemical Physics, 1999, 110, 9688-9696. | 3.0 | 35 |
| 78 | An integrated platform for surface forces measurements and fluorescence correlation spectroscopy. Review of Scientific Instruments, 2003, 74, 3067-3072. | 1.3 | 35 |
| 79 | Kinetic regimes of polyelectrolyte exchange between the adsorbed state and free solution. Journal of Chemical Physics, 1998, 109, 6869-6878. | 3.0 | 34 |
| 80 | Shear-induced dilation of confined liquid films. Tribology Letters, 2000, 9, 55-62. | 2.6 | 34 |
| 81 | Natural selection in the colloid world: active chiral spirals. Faraday Discussions, 2016, 191, 35-46. | 3.2 | 34 |
| 82 | Micron-gap rheo-optics with parallel plates. Journal of Chemical Physics, 1997, 107, 8664-8667. | 3.0 | 32 |
| 83 | ÂAnatomy of cage formation in a two-dimensional glass-forming liquid. Nature, 2020, 587, 225-229. | 27.8 | 32 |
| 84 | Platinum Nanoparticles at Mica Surfaces. Langmuir, 2003, 19, 7061-7070. | 3.5 | 31 |
| 85 | Enhanced Diffusion and Oligomeric Enzyme Dissociation. Journal of the American Chemical Society, 2019, 141, 20062-20068. | 13.7 | 31 |
| 86 | Rate-Dependent Adhesion between Opposed Perfluoropoly(alkyl ether) Layers:  Dependence on Chain-End Functionality and Chain Length. Journal of Physical Chemistry B, 1998, 102, 6056-6063. | 2.6 | 30 |
| 87 | Master curve of boosted diffusion for 10 catalytic enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29435-29441. | 7.1 | 30 |
| 88 | Microviscosity in poly(ethylene oxide)-polypropylene oxide-poly(ethylene oxide) block copolymers probed by fluorescence depolarization kinetics. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2883-2888. | 2.1 | 29 |
| 89 | Metal–Organic Framework "Swimmers―with Energy-Efficient Autonomous Motility. ACS Nano, 2017, 11, 10914-10923. | 14.6 | 28 |
| 90 | Infrared Dichroism and Surface Conformational Dynamics of Adsorbed Poly(dimethylsiloxane). Macromolecules, 1998, 31, 5450-5455. | 4.8 | 27 |

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| 91 | Preorganized Chromophores Facilitate Triplet Energy Migration, Annihilation and Upconverted Singlet Energy Collection. Journal of the American Chemical Society, 2016, 138, 6541-6549. | 13.7 | 27 |
| 92 | Longer-Lasting Electron-Based Microscopy of Single Molecules in Aqueous Medium. ACS Nano, 2018, 12, 8572-8578. | 14.6 | 24 |
| 93 | Title is missing!. Tribology Letters, 1999, 7, 161-172. | 2.6 | 23 |
| 94 | Modification of Boundary Lubrication by Oil-Soluble Friction Modifier Additives. Tribology Letters, 2003, 15, 127-134. | 2.6 | 22 |
| 95 | Confined liquid controversies near closure?. Physics Magazine, 0, 3, . | 0.1 | 22 |
| 96 | Real-Space, <i>in Situ</i> Maps of Hydrogel Pores. ACS Nano, 2017, 11, 204-212. | 14.6 | 22 |
| 97 | Interleaflet Diffusion Coupling When Polymer Adsorbs onto One Sole Leaflet of a Supported Phospholipid Bilayer. Macromolecules, 2007, 40, 1366-1368. | 4.8 | 21 |
| 98 | Response to Comment on "Boosted molecular mobility during common chemical reactions― Science, 2021, 371, . | 12.6 | 20 |
| 99 | Flow-Induced Deformation and Desorption of Adsorbed Polymers. Langmuir, 1998, 14, 4266-4271. | 3.5 | 19 |
| 100 | Ligand–receptor binding on nanoparticle-stabilized liposome surfaces. Soft Matter, 2007, 3, 551-553. | 2.7 | 19 |
| 101 | Diffusion of Polymer-Coated Nanoparticles Studied by Fluorescence Correlation Spectroscopy. Macromolecules, 2001, 34, 3123-3126. | 4.8 | 17 |
| 102 | Rapid-prototyping a Brownian particle in an active bath. Soft Matter, 2020, 16, 8122-8127. | 2.7 | 17 |
| 103 | PMMA adsorption over previously adsorbed PS studied by polarized FTIR-ATR. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 2429-2437. | 2.1 | 16 |
| 104 | A Polymer's Dielectric Normal Modes Depend on Its Film Thickness When Confined between Nonwetting Surfaces. Macromolecules, 2001, 34, 8490-8495. | 4.8 | 16 |
| 105 | Using NMR to Test Molecular Mobility during a Chemical Reaction. Journal of Physical Chemistry Letters, 2021, 12, 2370-2375. | 4.6 | 16 |
| 106 | Formation and Characterization of Covalently Bound Polyelectrolyte Brushes. Langmuir, 1997, 13, 4935-4938. | 3.5 | 15 |
| 107 | Molecules, the Ultimate Nanomotor: Linking Chemical Reaction Intermediates to their Molecular Diffusivity. ACS Nano, 2021, 15, 14947-14953. | 14.6 | 15 |
| 108 | Nanorheology of Aqueous Polyethylene Glycol (PEG). Macromolecules, 2002, 35, 4017-4022. | 4.8 | 14 |

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| 109 | A surface forces platform for dielectric measurements. Journal of Chemical Physics, 2003, 119, 547-554. | 3.0 | 14 |
| 110 | Dynamic cross-correlations between entangled biofilaments as they diffuse. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3322-3327. | 7.1 | 14 |
| 111 | Single-crosslink microscopy in a biopolymer network dissects local elasticity from molecular fluctuations. Nature Communications, 2019, 10, 3314. | 12.8 | 14 |
| 112 | Directed Selfâ€Assembly Pathways of Active Colloidal Clusters. Angewandte Chemie, 2016, 128, 5252-5255. | 2.0 | 13 |
| 113 | Ionic Janus Liquid Droplets Assembled and Propelled by Electric Field. Angewandte Chemie - International Edition, 2018, 57, 16773-16776. | 13.8 | 13 |
| 114 | Apparent hydrodynamic thickness of densely grafted polymer layers in a theta solvent. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 2961-2968. | 2.1 | 12 |
| 115 | Orientation and Order of Aqueous Organic Ions Adsorbed to a Solid Surface. Journal of Physical Chemistry B, 1999, 103, 472-479. | 2.6 | 12 |
| 116 | Activated Surface Diffusion in a Simple Colloid System. Physical Review Letters, 2009, 102, 178303. | 7.8 | 12 |
| 117 | Local Chain Dynamics of Adsorbed Polystyrene Studied by Time-Resolved Fluorescence Anisotropy. Macromolecules, 2001, 34, 8401-8404. | 4.8 | 11 |
| 118 | Charged polypeptide diffusion at a very high ionic strength. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3497-3502. | 2.1 | 11 |
| 119 | Biomolecular Science of Liposome-Nanoparticle Constructs. Molecular Crystals and Liquid Crystals, 2009, 507, 18-25. | 0.9 | 11 |
| 120 | Simple Interpretation of Ionization and Helixâ^'Coil Stability Shift When a Polyelectrolyte Adsorbs. Langmuir, 2003, 19, 1980-1983. | 3.5 | 10 |
| 121 | Fluorescence recovery after photobleaching measurements of polymers in a surface forces apparatus. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 2582-2588. | 2.1 | 9 |
| 122 | Robustness of FCS (Fluorescence Correlation Spectroscopy) with Quenchers Present. Journal of Physical Chemistry A, 2019, 123, 10184-10189. | 2.5 | 9 |
| 123 | Steering Coacervation by a Pair of Broad-Spectrum Regulators. ACS Nano, 2019, 13, 2420-2426. | 14.6 | 9 |
| 124 | Reincarnations of the phase separation problem. Nature Communications, 2021, 12, 911. | 12.8 | 9 |
| 125 | Reply to Comment on "Using NMR to Test Molecular Mobility during a Chemical Reactionâ€. Journal of Physical Chemistry Letters, 2021, 12, 5744-5747. | 4.6 | 9 |
| 126 | Isomeric colloidal clusters with shape-dependent mobility. Soft Matter, 2009, 5, 81-83. | 2.7 | 8 |

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| 127 | Printing with magnets. Nature Materials, 2014, 13, 8-9. | 27.5 | 8 |
| 128 | Open questions about polymer interfacial diffusion. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 3434-3435. | 2.1 | 7 |
| 129 | Open questions about polymer friction. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 3237-3239. | 2.1 | 7 |
| 130 | Modular Stitching To Image Single-Molecule DNA Transport. Journal of the American Chemical Society, 2013, 135, 6006-6009. | 13.7 | 7 |
| 131 | Scrutinizing evidence of no dilatancy upon stick–slip of confined fluids. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4972-E4972. | 7.1 | 7 |
| 132 | Mixed-Charge Nanocarriers Allow for Selective Targeting of Mitochondria by Otherwise Nonselective Dyes. ACS Nano, 2021, 15, 11470-11490. | 14.6 | 7 |
| 133 | Singleâ€molecule methods in polymer science. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 2542-2543. | 2.1 | 6 |
| 134 | Heat Transfer at Solid–Gas Interfaces by Photoacoustics at Brillouin Frequencies. Journal of Physical Chemistry C, 2012, 116, 10896-10903. | 3.1 | 6 |
| 135 | DNA molecules deviate from shortest trajectory when driven through hydrogel. Journal of Chemical Physics, 2018, 149, 163331. | 3.0 | 6 |
| 136 | Molecular Tribometry: Recent Results and Future Prospects. Materials Research Society Symposia Proceedings, 1988, 140, 125. | 0.1 | 5 |
| 137 | Fast, spatially resolved thermometry of Si and GaP crystals using pump-probe two-photon absorption. Journal of Applied Physics, 2009, 106, . | 2.5 | 5 |
| 138 | How to better focus waves by considering symmetry and information loss. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6554-6559. | 7.1 | 5 |
| 139 | Drive mechanism for a surface force apparatus. Review of Scientific Instruments, 1988, 59, 811-812. | 1.3 | 4 |
| 140 | Watching macromolecules diffuse at surfaces and under confinement. Macromolecular Symposia, 2003, 201, 89-94. | 0.7 | 4 |
| 141 | A switch for phase shifting. Nature Materials, 2015, 14, 17-18. | 27.5 | 4 |
| 142 | Nanoparticle puzzles and research opportunities that go beyond state of the art. Faraday Discussions, 2016, 186, 11-15. | 3.2 | 4 |
| 143 | Vector assembly of colloids on monolayer substrates. Nature Communications, 2017, 8, 15778. | 12.8 | 4 |
| 144 | Colloidal Flatlands Confronted with Urge for the Third Dimension. ACS Nano, 2019, 13, 9442-9448. | 14.6 | 4 |

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| 145 | Biologically-active unilamellar vesicles from red blood cells. Biomaterials Science, 2019, 7, 1393-1398. | 5.4 | 4 |
| 146 | Healing of confined polymer films following deformation at high shear rate. Journal of Rheology, 2000, 44, 1169-1182. | 2.6 | 3 |
| 147 | Linear shear viscoelasticity of confined, end-attached polymers in a near-theta solvent. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3487-3496. | 2.1 | 3 |
| 148 | Unorthodox bubbles when boiling in cold water. Physical Review E, 2014, 89, 013011. | 2.1 | 3 |
| 149 | Correlated two-particle diffusion in dense colloidal suspensions at early times: Theory and comparison to experiment. Physical Review E, 2015, 92, 052304. | 2.1 | 3 |
| 150 | Comparing Geometry and Chemistry When Confined Molecules Diffuse in Monodisperse Metal–Organic Framework Pores. Journal of Physical Chemistry Letters, 2018, 9, 6399-6403. | 4.6 | 3 |
| 151 | Synthetic asters as elastic and radial skeletons. Nature Communications, 2019, 10, 4954. | 12.8 | 3 |
| 152 | Friction and the Continuum Limit – Where is the Boundary?. Materials Research Society Symposia Proceedings, 2000, 651, 1. | 0.1 | 2 |
| 153 | Polystyrene Latex Nanoparticles Shrink When Polyelectrolyte of the Same Charge Is Added. Macromolecules, 2004, 37, 2919-2923. | 4.8 | 2 |
| 154 | Micromotor That Carries Its Own Fuel Internally. Langmuir, 2020, 36, 7701-7705. | 3.5 | 2 |
| 155 | Deep line-temporal focusing with high axial resolution and a large field-of-view using intracavity control and incoherent pulse shaping. Optics Letters, 2018, 43, 4919. | 3.3 | 2 |
| 156 | Nanorheology of Polymers, Block Copolymers, and Complex Fluids. Materials Research Society Symposia Proceedings, 1994, 366, 113. | 0.1 | 1 |
| 157 | Notes on the Interpretation of Nanorheology Experiments. Materials Research Society Symposia Proceedings, 1996, 464, 45. | 0.1 | 1 |
| 158 | Local Environment of Surface-Polyelectrolyte-Bound DNA Oligomers. Materials Research Society Symposia Proceedings, 2000, 651, 1. | 0.1 | 1 |
| 159 | Innenrücktitelbild: Directional Self-Assembly of a Colloidal Metal-Organic Framework (Angew. Chem.) Tj ETQq1 | 1 0,78431 2.0 | 4 rgBT /Ove |
| 160 | Preface: Special Topic on Chemical Physics of Charged Macromolecules. Journal of Chemical Physics, 2018, 149, 163001. | 3.0 | 1 |
| 161 | Ionic Janus Liquid Droplets Assembled and Propelled by Electric Field. Angewandte Chemie, 2018, 130, 17015-17018. | 2.0 | 1 |
| 162 | Apparatus to Measure Subnanometer Fluctuation of Giant Unilamellar Vesicle Membranes. Journal of Physical Chemistry A, 2020, 124, 4512-4516. | 2.5 | 1 |

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| 163 | Imaging Individual Molecules Using Liquid-phase TEM - Surprises and Research Opportunities. Microscopy and Microanalysis, 2021, 27, 3-4. | 0.4 | 1 |
| 164 | Spectroscopie Studies of Confined Molecules Under Shear. Materials Research Society Symposia Proceedings, 1996, 464, 89. | 0.1 | 0 |
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166 Inside Back Cover: Directional Self-Assembly of a Colloidal Metal-Organic Framework (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf

167 DIELECTRIC RESPONSE OF POLYMER FILMS CONFINED BETWEEN MICA SURFACES. , 2000, , 229-249.