# Vladimir Tsukruk

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 416 papers | 29,784 citations | 5574 82 h-index | 6996 154 g-index |
| 434 all docs | 434 docs citations | 434 times ranked | 30235 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Emerging applications of stimuli-responsive polymer materials. Nature Materials, 2010, 9, 101-113. | 27.5 | 5,007 |
| 2 | Graphene-polymer nanocomposites for structural and functional applications. Progress in Polymer Science, 2014, 39, 1934-1972. | 24.7 | 922 |
| 3 | Nanostructured Surfaces and Assemblies as SERS Media. Small, 2008, 4, 1576-1599. | 10.0 | 726 |
| 4 | Adaptive and responsive surfaces through controlled reorganization of interfacial polymer layers. Progress in Polymer Science, 2004, 29, 635-698. | 24.7 | 544 |
| 5 | Freely suspended nanocomposite membranes as highly sensitive sensors. Nature Materials, 2004, 3, 721-728. | 27.5 | 524 |
| 6 | Mechanical Properties of Robust Ultrathin Silk Fibroin Films. Advanced Functional Materials, 2007, 17, 2229-2237. | 14.9 | 355 |
| 7 | Electrically Tunable Plasmonic Behavior of Nanocubeâ€"Polymer Nanomaterials Induced by a Redox-Active Electrochromic Polymer. ACS Nano, 2014, 8, 6182-6192. | 14.6 | 347 |
| 8 | Self-Assembled Multilayer Films from Dendrimers. Langmuir, 1997, 13, 2171-2176. | 3.5 | 317 |
| 9 | Adhesive and Friction Forces between Chemically Modified Silicon and Silicon Nitride Surfaces. Langmuir, 1998, 14, 446-455. | 3.5 | 311 |
| 10 | Ultrarobust Transparent Cellulose Nanocrystalâ€Graphene Membranes with High Electrical Conductivity. Advanced Materials, 2016, 28, 1501-1509. | 21.0 | 280 |
| 11 | Ultraâ€Robust Graphene Oxideâ€Silk Fibroin Nanocomposite Membranes. Advanced Materials, 2013, 25, 2301-2307. | 21.0 | 261 |
| 12 | Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. Chemical Reviews, 2017, 117, 12942-13038. | 47.7 | 258 |
| 13 | Graphene Oxideâˆ'Polyelectrolyte Nanomembranes. ACS Nano, 2010, 4, 4667-4676. | 14.6 | 257 |
| 14 | Responsive microcapsule reactors based on hydrogen-bonded tannic acid layer-by-layer assemblies. Soft Matter, 2010, 6, 3596. | 2.7 | 243 |
| 15 | Responsive brush layers: from tailored gradients to reversibly assembled nanoparticles. Soft Matter, 2008, 4, 714. | 2.7 | 234 |
| 16 | Collective and Individual Plasmon Resonances in Nanoparticle Films Obtained by Spin-Assisted Layer-by-Layer Assembly. Langmuir, 2004, 20, 882-890. | 3.5 | 225 |
| 17 | Externalâ€Strain Induced Insulating Phase Transition in VO<sub>2</sub> Nanobeam and Its Application as Flexible Strain Sensor. Advanced Materials, 2010, 22, 5134-5139. | 21.0 | 223 |
| 18 | Probing Soft Matter with the Atomic Force Microscopies: Imaging and Force Spectroscopy. Polymer Reviews, 2010, 50, 235-286. | 10.9 | 215 |

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| 19 | Dendritic Macromolecules at Interfaces. Advanced Materials, 1998, 10, 253-257. | 21.0 | 205 |
| 20 | Micromechanical Properties of Elastic Polymeric Materials As Probed by Scanning Force Microscopy. Langmuir, 1998, 14, 2606-2609. | 3.5 | 197 |
| 21 | Porous Substrates for Label-Free Molecular Level Detection of Nonresonant Organic Molecules. ACS Nano, 2009, 3, 181-188. | 14.6 | 190 |
| 22 | Epoxy-Terminated Self-Assembled Monolayers:Â Molecular Glues for Polymer Layers. Langmuir, 2000, 16, 504-516. | 3.5 | 187 |
| 23 | Molecular Lubricants and Glues for Micro- and Nanodevices. Advanced Materials, 2001, 13, 95-108. | 21.0 | 186 |
| 24 | Freely Suspended Layer-by-Layer Nanomembranes: Testing Micromechanical Properties. Advanced Functional Materials, 2005, 15, 771-780. | 14.9 | 182 |
| 25 | Naturally-derived biopolymer nanocomposites: Interfacial design, properties and emerging applications. Materials Science and Engineering Reports, 2018, 125, 1-41. | 31.8 | 182 |
| 26 | Assembly of supramolecular polymers in ultrathin films. Progress in Polymer Science, 1997, 22, 247-311. | 24.7 | 181 |
| 27 | Cell Surface Engineering with Polyelectrolyte Multilayer Thin Films. Journal of the American Chemical Society, 2011, 133, 7054-7064. | 13.7 | 178 |
| 28 | Polystyrene Layers Grafted to Epoxy-Modified Silicon Surfaces. Macromolecules, 2000, 33, 1043-1048. | 4.8 | 176 |
| 29 | The architectures and surface behavior of highly branched molecules. Progress in Polymer Science, 2008, 33, 523-580. | 24.7 | 174 |
| 30 | Bimaterial Microcantilevers as a Hybrid Sensing Platform. Advanced Materials, 2008, 20, 653-680. | 21.0 | 172 |
| 31 | Competitive Adsorption of Dopamine and Rhodamine 6G on the Surface of Graphene Oxide. ACS Applied Materials & Interfaces, 2014, 6, 2459-2470. | 8.0 | 171 |
| 32 | Nanoparticleâ€Decorated Nanocanals for Surfaceâ€Enhanced Raman Scattering. Small, 2008, 4, 1980-1984. | 10.0 | 167 |
| 33 | Reorganization of Binary Polymer Brushes:Â Reversible Switching of Surface Microstructures and Nanomechanical Properties. Macromolecules, 2003, 36, 7244-7255. | 4.8 | 165 |
| 34 | Scanning Probe Microscopy of Polymer Surfaces. Rubber Chemistry and Technology, 1997, 70, 430-467. | 1.2 | 164 |
| 35 | Scanning probe microscopy of organic and polymeric films: from self-assembled monolayers to composite multilayers. Polymer, 1995, 36, 1791-1808. | 3.8 | 162 |
| 36 | Strongly Coupled Plasmonic Modes on Macroscopic Areas via Template-Assisted Colloidal Self-Assembly. Nano Letters, 2014, 14, 6863-6871. | 9.1 | 162 |

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| 37 | Liquid-Crystalline Processing of Highly Oriented Carbon Nanotube Arrays for Thin-Film Transistors. Nano Letters, 2006, 6, 1443-1448. | 9.1 | 157 |
| 38 | Nanoscale design of snake skin for reptation locomotions via friction anisotropy. Journal of Biomechanics, 1999, 32, 477-484. | 2.1 | 146 |
| 39 | Ultrathin Layer-by-Layer Hydrogels with Incorporated Gold Nanorods as pH-Sensitive Optical Materials. Chemistry of Materials, 2008, 20, 7474-7485. | 6.7 | 141 |
| 40 | Hydrogen-bonded LbL shells for living cell surface engineering. Soft Matter, 2011, 7, 2364-2372. | 2.7 | 140 |
| 41 | Biopolymeric photonic structures: design, fabrication, and emerging applications. Chemical Society Reviews, 2020, 49, 983-1031. | 38.1 | 138 |
| 42 | Hydrogelâ€Encapsulated Microfabricated Haircells Mimicking Fish Cupula Neuromast. Advanced Materials, 2007, 19, 2903-2909. | 21.0 | 137 |
| 43 | Writtenâ€in Conductive Patterns on Robust Graphene Oxide Biopaper by Electrochemical Microstamping. Angewandte Chemie - International Edition, 2013, 52, 13784-13788. | 13.8 | 132 |
| 44 | Y-Shaped Polymer Brushes:Â Nanoscale Switchable Surfaces. Langmuir, 2003, 19, 7832-7836. | 3.5 | 130 |
| 45 | Electrostatic Deposition of Polyionic Monolayers on Charged Surfacesâ€. Macromolecules, 1997, 30, 6615-6625. | 4.8 | 125 |
| 46 | Bimetallic Nanocobs: Decorating Silver Nanowires with Gold Nanoparticles. Advanced Materials, 2008, 20, 1544-1549. | 21.0 | 125 |
| 47 | Architecture, Assembly, and Emerging Applications of Branched Functional Polyelectrolytes and Poly(ionic liquid)s. ACS Applied Materials & Interfaces, 2015, 7, 12570-12596. | 8.0 | 125 |
| 48 | Sticky Molecular Surfaces:Â Epoxysilane Self-Assembled Monolayers. Langmuir, 1999, 15, 3029-3032. | 3.5 | 123 |
| 49 | Y-Shaped Amphiphilic Brushes with Switchable Micellar Surface Structures. Journal of the American Chemical Society, 2003, 125, 15912-15921. | 13.7 | 123 |
| 50 | Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. Advanced Materials, 2019, 31, e1901602. | 21.0 | 119 |
| 51 | Unconventional route to dual-shelled organolead halide perovskite nanocrystals with controlled dimensions, surface chemistry, and stabilities. Science Advances, 2019, 5, eaax4424. | 10.3 | 116 |
| 52 | Atomic Force Microscopy and X-ray Reflectivity Studies of Albumin Adsorbed onto Self-Assembled Monolayers of Hexadecyltrichlorosilane. Langmuir, 1998, 14, 4535-4544. | 3.5 | 115 |
| 53 | Self-Assembly of Emissive Nanocellulose/Quantum Dot Nanostructures for Chiral Fluorescent Materials. ACS Nano, 2019, 13, 9074-9081. | 14.6 | 115 |
| 54 | Biologically inspired design of hydrogel-capped hair sensors for enhanced underwater flow detection. Soft Matter, 2009, 5, 292-295. | 2.7 | 114 |

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| 55 | Assembling of Amphiphilic Highly Branched Molecules in Supramolecular Nanofibers. Journal of the American Chemical Society, 2004, 126, 9675-9684. | 13.7 | 113 |
| 56 | Nanotube Surface Arrays: Weaving, Bending, and Assembling on Patterned Silicon. Physical Review Letters, 2004, 92, 065502. | 7.8 | 113 |
| 57 | Assemblies of silver nanocubes for highly sensitive SERS chemical vapor detection. Journal of Materials Chemistry A, 2013, 1, 2777. | 10.3 | 111 |
| 58 | Exploration of Plasma-Enhanced Chemical Vapor Deposition as a Method for Thin-Film Fabrication with Biological Applications. ACS Applied Materials & Interfaces, 2013, 5, 3983-3994. | 8.0 | 110 |
| 59 | Silkâ€onâ€Silk Layerâ€byâ€Layer Microcapsules. Advanced Materials, 2011, 23, 4655-4660. | 21.0 | 108 |
| 60 | Template-Guided Assembly of Silk Fibroin on Cellulose Nanofibers for Robust Nanostructures with Ultrafast Water Transport. ACS Nano, 2017, 11, 12008-12019. | 14.6 | 107 |
| 61 | Spring constants of composite ceramic/gold cantilevers for scanning probe microscopy. Thin Solid Films, 1999, 339, 249-257. | 1.8 | 106 |
| 62 | Biomimetic Coatings to Control Cellular Function through Cell Surface Engineering. Advanced Functional Materials, 2013, 23, 4437-4453. | 14.9 | 106 |
| 63 | Organic Molecular Films under Shear Forces:Â Fluid and Solid Langmuir Monolayers. Langmuir, 1996, 12, 4840-4849. | 3.5 | 102 |
| 64 | Mechanically Tunable Three-Dimensional Elastomeric Network/Air Structures via Interference Lithography. Nano Letters, 2006, 6, 740-743. | 9.1 | 98 |
| 65 | Spin-Assisted Layer-by-Layer Assembly: Variation of Stratification as Studied with Neutron Reflectivity. Langmuir, 2009, 25, 14017-14024. | 3.5 | 97 |
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| 70 | Wrapping Nanocellulose Nets around Graphene Oxide Sheets. Angewandte Chemie - International Edition, 2018, 57, 8508-8513. | 13.8 | 93 |
| 71 | Columnar ordering of liquid-crystalline discotics in Langmuir-Blodgett films. Langmuir, 1992, 8, 2279-2283. | 3.5 | 92 |
| 72 | Complex Buckling Instability Patterns of Nanomembranes with Encapsulated Gold Nanoparticle Arrays. Nano Letters, 2006, 6, 2254-2259. | 9.1 | 92 |

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| 74 | Nanomechanical Probing of Layered Nanoscale Polymer Films With Atomic Force Microscopy. Journal of Materials Research, 2004, 19, 716-728. | 2.6 | 91 |
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| 76 | pH-Responsive Layer-by-Layer Nanoshells for Direct Regulation of Cell Activity. ACS Nano, 2012, 6, 4266-4278. | 14.6 | 91 |
| 77 | Polymeric Nanolayers as Actuators for Ultrasensitive Thermal Bimorphs. Nano Letters, 2006, 6, 730-734. | 9.1 | 88 |
| 78 | Nanotribological Properties of Composite Molecular Films:â€‰ C60 Anchored to a Self-Assembled Monolayer. Langmuir, 1996, 12, 3905-3911. | 3.5 | 87 |
| 79 | Reconfigurable and actuating structures from soft materials. Soft Matter, 2014, 10, 1246-1263. | 2.7 | 87 |
| 80 | pH-Controlled Exponential and Linear Growing Modes of Layer-by-Layer Assemblies of Star Polyelectrolytes. Journal of the American Chemical Society, 2011, 133, 9592-9606. | 13.7 | 86 |
| 81 | Probing of Micromechanical Properties of Compliant Polymeric Materials. Journal of Materials Science, 1998, 33, 4905-4909. | 3.7 | 85 |
| 82 | Plasmonic Library Based on Substrate-Supported Gradiential Plasmonic Arrays. ACS Nano, 2014, 8, 9410-9421. | 14.6 | 84 |
| 83 | On the structure of polyamidoamine dendrimer monolayers. Polymer, 1998, 39, 5249-5252. | 3.8 | 83 |
| 84 | Nanotribological Properties of Organic Boundary Lubricants: Langmuir Films Versus Self-Assembled Monolayers. Journal of Tribology, 1998, 120, 489-495. | 1.9 | 82 |
| 85 | Flexible Silkâ€"Inorganic Nanocomposites: From Transparent to Highly Reflective. Advanced Functional Materials, 2010, 20, 840-846. | 14.9 | 82 |
| 86 | All-Inorganic Perovskite Nanocrystals with a Stellar Set of Stabilities and Their Use in White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 37267-37276. | 8.0 | 82 |
| 87 | Combing and Bending of Carbon Nanotube Arrays with Confined Microfluidic Flow on Patterned Surfaces. Journal of Physical Chemistry B, 2004, 108, 4385-4393. | 2.6 | 81 |
| 88 | Dramatic Enhancement of Graphene Oxide/Silk Nanocomposite Membranes: Increasing Toughness, Strength, and Youngâ€™s modulus via Annealing of Interfacial Structures. ACS Applied Materials & Interfaces, 2016, 8, 24962-24973. | 8.0 | 81 |
| 89 | Amphiphilic Dendritic Molecules:Â Hyperbranched Polyesters with Alkyl-Terminated Branches. Macromolecules, 2003, 36, 3101-3110. | 4.8 | 77 |
| 90 | Directed Selfâ€Assembly of Gradient Concentric Carbon Nanotube Rings. Advanced Functional Materials, 2008, 18, 2114-2122. | 14.9 | 77 |

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| 92 | Atomic Force Microscopy of C60 Tethered to a Self-Assembled Monolayer. Langmuir, 1994, 10, 996-999. | 3.5 | 74 |
| 93 | Freely Suspended Gold Nanoparticle Arrays. Advanced Materials, 2005, 17, 1669-1673. | 21.0 | 74 |
| 94 | Chiral Cellulose Nanocrystals with Intercalated Amorphous Polysaccharides for Controlled Iridescence and Enhanced Mechanics. Advanced Functional Materials, 2020, 30, 2003597. | 14.9 | 73 |
| 95 | Synthesis and Interfacial Behavior of Amphiphilic Hyperbranched Polymers:Â Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T | 4.8 | 72 |
| 96 | Inkjet Printing of Silk Nest Arrays for Cell Hosting. Biomacromolecules, 2014, 15, 1428-1435. | 5.4 | 72 |
| 97 | Cellulose Nanocrystal Microcapsules as Tunable Cages for Nano- and Microparticles. ACS Nano, 2015, 9, 10887-10895. | 14.6 | 72 |
| 98 | Some aspects of AFM nanomechanical probing of surface polymer films. European Polymer Journal, 2004, 40, 949-956. | 5.4 | 70 |
| 99 | Langmuirâˆ'Blodgett Monolayers of Gold Nanoparticles with Amphiphilic Shells from V-Shaped Binary Polymer Arms. Langmuir, 2006, 22, 7011-7015. | 3.5 | 70 |
| 100 | Unfolding the multi-length scale domain structure of silk fibroin protein. Polymer, 2006, 47, 5821-5830. | 3.8 | 70 |
| 101 | Friction Force Microscopy Measurements: Normal and Torsional Spring Constants for V-Shaped Cantilevers. Journal of Tribology, 1998, 120, 814-819. | 1.9 | 69 |
| 102 | pH-Responsive Layered Hydrogel Microcapsules as Gold Nanoreactors. Chemistry of Materials, 2009, 21, 2158-2167. | 6.7 | 69 |
| 103 | Amphiphilic Hairy Disks with Branched Hydrophilic Tails and a Hexa-peri-hexabenzocoronene Core. Journal of the American Chemical Society, 2002, 124, 9121-9128. | 13.7 | 68 |
| 104 | Using Amphiphilic Nanostructures To Enable Long-Range Ensemble Coalescence and Surface Rejuvenation in Dropwise Condensation. ACS Nano, 2012, 6, 3262-3268. | 14.6 | 68 |
| 105 | Columnar discotics for light emitting diodes. Advanced Materials, 1997, 9, 48-52. | 21.0 | 67 |
| 106 | Direct Measurement of Thermoelastic Properties of Glassy and Rubbery Polymer Brush Nanolayers Grown by â€œGrafting-fromâ€•Approach. Langmuir, 2003, 19, 6126-6134. | 3.5 | 67 |
| 107 | Perforated, Freely Suspended Layer-by-Layer Nanoscale Membranes. Langmuir, 2008, 24, 5996-6006. | 3.5 | 67 |
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| 109 | Surface Nanomechanical Properties of Polymer Nanocomposite Layers. Langmuir, 2001, 17, 6715-6719. | 3.5 | 66 |
| 110 | Thermo-Optical Arrays of Flexible Nanoscale Nanomembranes Freely Suspended over Microfabricated Cavities as IR Microimagers. Chemistry of Materials, 2006, 18, 2632-2634. | 6.7 | 66 |
| 111 | Nanoporous Membranes with Mixed Nanoclusters for Raman-Based Label-Free Monitoring of Peroxide Compounds. Analytical Chemistry, 2009, 81, 5740-5748. | 6.5 | 66 |
| 112 | Anisotropic Microâ€•and Nanoâ€Capsules. Macromolecular Rapid Communications, 2010, 31, 2041-2046. | 3.9 | 66 |
| 113 | Co-cross-linking Silk Matrices with Silica Nanostructures for Robust Ultrathin Nanocomposites. ACS Nano, 2010, 4, 7053-7063. | 14.6 | 66 |
| 114 | pH-responsive photoluminescent LbL hydrogels with confined quantum dots. Soft Matter, 2010, 6, 800-807. | 2.7 | 66 |
| 115 | Chemical Reduction of Individual Graphene Oxide Sheets as Revealed by Electrostatic Force Microscopy. Journal of the American Chemical Society, 2014, 136, 6546-6549. | 13.7 | 66 |
| 116 | Cellulose nanocrystals with different morphologies and chiral properties. Polymer, 2018, 145, 334-347. | 3.8 | 66 |
| 117 | Nondestructive Light-Initiated Tuning of Layer-by-Layer Microcapsule Permeability. ACS Nano, 2013, 7, 598-613. | 14.6 | 65 |
| 118 | Bioenabled Surfaceâ€Mediated Growth of Titania Nanoparticles. Advanced Materials, 2008, 20, 3274-3279. | 21.0 | 64 |
| 119 | Robust Chiral Organization of Cellulose Nanocrystals in Capillary Confinement. Nano Letters, 2018, 18, 6770-6777. | 9.1 | 63 |
| 120 | Bioencapsulated MXene Flakes for Enhanced Stability and Composite Precursors. Advanced Functional Materials, 2020, 30, 2004554. | 14.9 | 63 |
| 121 | Encapsulating Nanoparticle Arrays into Layer-by-layer Multilayers by Capillary Transfer Lithography. Chemistry of Materials, 2005, 17, 5489-5497. | 6.7 | 62 |
| 122 | Substrate- and Time-Dependent Photoluminescence of Quantum Dots Inside the Ultrathin Polymer LbL Film. Langmuir, 2007, 23, 4509-4515. | 3.5 | 62 |
| 123 | Multicompartmental Microcapsules with Orthogonal Programmable Twoâ€Way Sequencing of Hydrophobic and Hydrophilic Cargo Release. Angewandte Chemie - International Edition, 2016, 55, 4908-4913. | 13.8 | 62 |
| 124 | Synthesis and Properties of Asymmetric Heteroarm PEOn-b-PSmStar Polymers with End Functionalities. Macromolecules, 2004, 37, 7497-7506. | 4.8 | 61 |
| 125 | Microtribological and Nanomechanical Properties of Switchable Y-Shaped Amphiphilic Polymer Brushes. Advanced Functional Materials, 2005, 15, 1529-1540. | 14.9 | 61 |
| 126 | Strain-Sensitive Raman Modes of Carbon Nanotubes in Deflecting Freely Suspended Nanomembranes. Advanced Materials, 2005, 17, 2127-2131. | 21.0 | 61 |

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| 127 | Adaptive Nanomechanical Response of Stratified Polymer Brush Structures. Langmuir, 2007, 23, 265-273. | 3.5 | 60 |
| 128 | Perfect mixing of immiscible macromolecules at fluid interfaces. Nature Materials, 2013, 12, 735-740. | 27.5 | 60 |
| 129 | Single functional group interactions with individual carbon nanotubes. Nature Nanotechnology, 2007, 2, 692-697. | 31.5 | 59 |
| 130 | Bifurcated Mechanical Behavior of Deformed Periodic Porous Solids. Advanced Functional Materials, 2009, 19, 1426-1436. | 14.9 | 59 |
| 131 | In-situ Observation of Switchable Nanoscale Topography for Y-Shaped Binary Brushes in Fluids. Nano Letters, 2005, 5, 491-495. | 9.1 | 58 |
| 132 | Bimetallic Nanostructures as Active Raman Markers: Goldâ€Nanoparticle Assembly on 1D and 2D Silver Nanostructure Surfaces. Small, 2009, 5, 2460-2466. | 10.0 | 58 |
| 133 | Robust and Responsive Silk Ionomer Microcapsules. Biomacromolecules, 2011, 12, 4319-4325. | 5.4 | 58 |
| 134 | Silk Fibroinâ€"Substrate Interactions at Heterogeneous Nanocomposite Interfaces. Advanced Functional Materials, 2016, 26, 6380-6392. | 14.9 | 57 |
| 135 | Ultra-efficient polymer binder for silicon anode in high-capacity lithium-ion batteries. Nano Energy, 2020, 73, 104804. | 16.0 | 57 |
| 136 | Dynamic microprobing of viscoelastic polymer properties. Polymer International, 2000, 49, 441-444. | 3.1 | 56 |
| 137 | Replication of anisotropic dispersed particulates and complex continuous templates. Journal of Materials Chemistry, 2010, 20, 6587. | 6.7 | 56 |
| 138 | Thermoplastic Elastomer Monolayers Grafted to a Functionalized Silicon Surface. Macromolecules, 2000, 33, 7629-7638. | 4.8 | 55 |
| 139 | Polymerâ€"Silicon Flexible Structures for Fast Chemical Vapor Detection. Advanced Materials, 2007, 19, 4248-4255. | 21.0 | 55 |
| 140 | Packing of columns in Langmuir-Blodgett films of discotic mixtures with charge-transfer interactions. Langmuir, 1993, 9, 614-618. | 3.5 | 54 |
| 141 | Direct Probing of Micromechanical Properties of Hydrogen-Bonded Layer-by-Layer Microcapsule Shells with Different Chemical Compositions. Langmuir, 2011, 27, 11157-11165. | 3.5 | 54 |
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| 144 | Highly Conductive and Transparent Reduced Graphene Oxide Nanoscale Films via Thermal Conversion of Polymer-Encapsulated Graphene Oxide Sheets. ACS Applied Materials & Interfaces, 2018, 10, 3975-3985. | 8.0 | 53 |

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| 146 | Molecular Stiffness of Individual Hyperbranched Macromolecules at Solid Surfaces. Macromolecules, 2003, 36, 2825-2831. | 4.8 | 51 |
| 147 | Supramolecular Multiscale Fibers through One-Dimensional Assembly of Dendritic Molecules. Advanced Materials, 2004, 16, 2206-2212. | 21.0 | 51 |
| 148 | Seriographyâ€Guided Reduction of Graphene Oxide Biopapers for Wearable Sensory Electronics. Advanced Functional Materials, 2017, 27, 1604802. | 14.9 | 51 |
| 149 | Permeability and Micromechanical Properties of Silk Ionomer Microcapsules. Langmuir, 2012, 28, 12235-12244. | 3.5 | 50 |
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| 151 | Thermoresponsive Reversible Behavior of Multistimuli Pluronic-Based Pentablock Copolymer at the Airâˆ'Water Interface. Langmuir, 2007, 23, 25-30. | 3.5 | 49 |
| 152 | Polyaminoacid-Induced Growth of Metal Nanoparticles on Layer-by-Layer Templates. Chemistry of Materials, 2008, 20, 5822-5831. | 6.7 | 49 |
| 153 | Redox-Active Ultrathin Template of Silk Fibroin: Effect of Secondary Structure on Gold Nanoparticle Reduction. Chemistry of Materials, 2009, 21, 2696-2704. | 6.7 | 49 |
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| 155 | Ultrathin Binary Grafted Polymer Layers with Switchable Morphology. Langmuir, 2004, 20, 10046-10054. | 3.5 | 48 |
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