# Xi Zhang

List of Publications by Year
in descending order

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| 304 | 27,166 | 5876 81 | 7333 152 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 324 | 324 | 324 | 21779 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Superhydrophobic surfaces: from structural control to functional application. Journal of Materials Chemistry, 2008, 18, 621-633. | 6.7 | 1,560 |
| 2 | Supramolecular Polymers: Historical Development, Preparation, Characterization, and Functions. Chemical Reviews, 2015, 115, 7196-7239. | 23.0 | 1,065 |
| 3 | Environment-Friendly Method To Produce Graphene That Employs Vitamin C and Amino Acid. Chemistry of Materials, 2010, 22, 2213-2218. | 3.2 | 712 |
| 4 | Supramolecular amphiphiles. Chemical Society Reviews, 2011, 40, 94-101. | 18.7 | 652 |
| 5 | Amphiphilic Building Blocks for Self-Assembly: From Amphiphiles to Supra-amphiphiles. Accounts of Chemical Research, 2012, 45, 608-618. | 7.6 | 652 |
| 6 | Dual Redox Responsive Assemblies Formed from Diselenide Block Copolymers. Journal of the American Chemical Society, 2010, 132, 442-443. | 6.6 | 643 |
| 7 | Low-Temperature Synthesis and High Visible-Light-Induced Photocatalytic Activity of BiOI/TiO<sub>2</sub> Heterostructures. Journal of Physical Chemistry C, 2009, 113, 7371-7378. | 1.5 | 633 |
| 8 | Polyelectrolyte Multilayer as Matrix for Electrochemical Deposition of Gold Clusters:â€‰ Toward Super-Hydrophobic Surface. Journal of the American Chemical Society, 2004, 126, 3064-3065. | 6.6 | 627 |
| 9 | Layer-by-layer assembly: from conventional to unconventional methods. Chemical Communications, 2007, , 1395-1405. | 2.2 | 519 |
| 10 | Selenium-Containing Polymers: Promising Biomaterials for Controlled Release and Enzyme Mimics. Accounts of Chemical Research, 2013, 46, 1647-1658. | 7.6 | 489 |
| 11 | Photocontrolled Reversible Supramolecular Assemblies of an Azobenzene-Containing Surfactant with Î±-Cyclodextrin. Angewandte Chemie - International Edition, 2007, 46, 2823-2826. | 7.2 | 484 |
| 12 | Supramolecular Chemistry at Interfaces: Hostâ€“Guest Interactions for Fabricating Multifunctional Biointerfaces. Accounts of Chemical Research, 2014, 47, 2106-2115. | 7.6 | 440 |
| 13 | Tuning the Amphiphilicity of Building Blocks: Controlled Selfâ€Assembly and Disassembly for Functional Supramolecular Materials. Advanced Materials, 2009, 21, 2849-2864. | 11.1 | 423 |
| 14 | Waterâ€Soluble Supramolecular Polymerization Driven by Multiple Hostâ€Stabilized Chargeâ€Transfer Interactions. Angewandte Chemie - International Edition, 2010, 49, 6576-6579. | 7.2 | 380 |
| 15 | Supramolecular Antibacterial Materials for Combatting Antibiotic Resistance. Advanced Materials, 2019, 31, e1805092. | 11.1 | 380 |
| 16 | A new approach for the fabrication of an alternating multilayer film of poly(4-vinylpyridine) and poly(acrylic acid) based on hydrogen bonding. Macromolecular Rapid Communications, 1997, 18, 509-514. | 2.0 | 377 |
| 17 | Precise nanomedicine for intelligent therapy of cancer. Science China Chemistry, 2018, 61, 1503-1552. | 4.2 | 336 |
| 18 | Characterization of supramolecular polymers. Chemical Society Reviews, 2012, 41, 5922. | 18.7 | 298 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Supramolecular Photosensitizers with Enhanced Antibacterial Efficiency. Angewandte Chemie - International Edition, 2013, 52, 8285-8289. | 7.2 | 294 |
| 20 | 25th Anniversary Article: Reversible and Adaptive Functional Supramolecular Materials: â€œNoncovalent Interactionâ€•Matters. Advanced Materials, 2013, 25, 5530-5548. | 11.1 | 275 |
| 21 | Single molecule mechanochemistry of macromolecules. Progress in Polymer Science, 2003, 28, 1271-1295. | 11.8 | 254 |
| 22 | Supramolecular Radical Anions Triggered by Bacteria Inâ€…Situ for Selective Photothermal Therapy. Angewandte Chemie - International Edition, 2017, 56, 16239-16242. | 7.2 | 235 |
| 23 | Supramolecular Polymerization Promoted and Controlled through Selfâ€Sorting. Angewandte Chemie - International Edition, 2014, 53, 5351-5355. | 7.2 | 200 |
| 24 | Controlled Selfâ€Assembly Manipulated by Chargeâ€Transfer Interactions: From Tubes to Vesicles. Angewandte Chemie - International Edition, 2008, 47, 9049-9052. | 7.2 | 198 |
| 25 | Photocontrolled Self-Assembly and Disassembly of Block Ionomer Complex Vesicles: A Facile Approach toward Supramolecular Polymer Nanocontainers. Langmuir, 2010, 26, 709-715. | 1.6 | 196 |
| 26 | An Enzymeâ€Responsive Polymeric Superamphiphile. Angewandte Chemie - International Edition, 2010, 49, 8612-8615. | 7.2 | 195 |
| 27 | Antimicrobial cationic polymers: from structural design to functional control. Polymer Journal, 2018, 50, 33-44. | 1.3 | 187 |
| 28 | Cucurbit[8]urilâ€Based Supramolecular Polymers. Chemistry - an Asian Journal, 2013, 8, 1626-1632. | 1.7 | 185 |
| 29 | Selenium-containing block copolymers and their oxidation-responsive aggregates. Polymer Chemistry, 2010, 1, 1609. | 1.9 | 181 |
| 30 | Self-Assembled Monolayers of Dendron Thiols for Electrodeposition of Gold Nanostructures:â€‰ Toward Fabrication of Superhydrophobic/Superhydrophilic Surfaces and pH-Responsive Surfaces. Langmuir, 2005, 21, 1986-1990. | 1.6 | 178 |
| 31 | Supramolecular free radicals: near-infrared organic materials with enhanced photothermal conversion. Chemical Science, 2015, 6, 3975-3980. | 3.7 | 174 |
| 32 | Tough and Multiâ€Recyclable Crossâ€Linked Supramolecular Polyureas via Incorporating Noncovalent Bonds into Mainâ€Chains. Advanced Materials, 2020, 32, e2000096. | 11.1 | 174 |
| 33 | Tuning surface wettability through photocontrolled reversible molecular shuttle. Chemical Communications, 2008, , 5710. | 2.2 | 172 |
| 34 | Highly Efficient Dendrimer-Based Mimic of Glutathione Peroxidase. Journal of the American Chemical Society, 2004, 126, 10556-10557. | 6.6 | 169 |
| 35 | A Supramolecular Radical Dimer: Highâ€Efficiency NIRâ€II Photothermal Conversion and Therapy. Angewandte Chemie - International Edition, 2019, 58, 15526-15531. | 7.2 | 168 |
| 36 | Supramolecular Amphiphiles Based on a Waterâ€Soluble Chargeâ€Transfer Complex: Fabrication of Ultralong Nanofibers with Tunable Straightness. Angewandte Chemie - International Edition, 2009, 48, 8962-8965. | 7.2 | 164 |

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| 37 | Surface Gradient Material:Â From Superhydrophobicity to Superhydrophilicity. Langmuir, 2006, 22, 4483-4486. | 1.6 | 154 |
| 38 | Radiation-Sensitive Diselenide Block Co-polymer Micellar Aggregates: Toward the Combination of Radiotherapy and Chemotherapy. Langmuir, 2011, 27, 5874-5878. | 1.6 | 152 |
| 39 | Hydrogen Bonding Governs the Elastic Properties of Poly(vinyl alcohol) in Water:Â Single-Molecule Force Spectroscopic Studies of PVA by AFM. Macromolecules, 2000, 33, 465-469. | 2.2 | 151 |
| 40 | Self-Assembled Ultrathin Films: From Layered Nanoarchitectures to Functional Assemblies. Advanced Materials, 1999, 11, 1139-1143. | 11.1 | 148 |
| 41 | Supramolecular Chemotherapy: Cooperative Enhancement of Antitumor Activity by Combining Controlled Release of Oxaliplatin and Consuming of Spermine by Cucurbit[7]uril. ACS Applied Materials & Interfaces, 2017, 9, 8602-8608. | 4.0 | 148 |
| 42 | Hydrogen-Bonding-Directed Layer-by-Layer Multilayer Assembly:â€‰ Reconformation Yielding Microporous Films. Macromolecules, 2002, 35, 9451-9458. | 2.2 | 141 |
| 43 | A pHâ€Responsive Superamphiphile Based on Dynamic Covalent Bonds. Chemistry - A European Journal, 2011, 17, 3322-3325. | 1.7 | 140 |
| 44 | Superamphiphiles Based on Directional Chargeâ€Transfer Interactions: From Supramolecular Engineering to Wellâ€Defined Nanostructures. Angewandte Chemie - International Edition, 2011, 50, 4952-4956. | 7.2 | 138 |
| 45 | Supramolecular Hydrogels Fabricated from Supramonomers: A Novel Wound Dressing Material. ACS Applied Materials & Interfaces, 2017, 9, 11368-11372. | 4.0 | 135 |
| 46 | Supramolecular polymer chemistry: From structural control to functional assembly. Progress in Polymer Science, 2020, 100, 101167. | 11.8 | 135 |
| 47 | Oxidation-Responsive Micelles Based on a Selenium-Containing Polymeric Superamphiphile. Langmuir, 2010, 26, 14414-14418. | 1.6 | 133 |
| 48 | Side-chain selenium-containing amphiphilic block copolymers: redox-controlled self-assembly and disassembly. Soft Matter, 2012, 8, 1460-1466. | 1.2 | 132 |
| 49 | Single-molecule force spectroscopy on polysaccharides by AFM â€“ nanomechanical fingerprint of Î±-(1,4)-linked polysaccharides. Chemical Physics Letters, 1999, 305, 197-201. | 1.2 | 131 |
| 50 | Supramolecular Porphyrin Photosensitizers: Controllable Disguise and Photoinduced Activation of Antibacterial Behavior. ACS Applied Materials & Interfaces, 2017, 9, 13950-13957. | 4.0 | 129 |
| 51 | Covalently Attached Multilayer Assemblies by Sequential Adsorption of Polycationic Diazo-Resins and Polyanionic Poly(acrylic acid). Langmuir, 2000, 16, 4620-4624. | 1.6 | 128 |
| 52 | Tuning the stability of organic radicals: from covalent approaches to non-covalent approaches. Chemical Science, 2020, 11, 1192-1204. | 3.7 | 125 |
| 53 | Direct Measurements of the Interaction between Pyrene and Graphite in Aqueous Media by Single Molecule Force Spectroscopy:â€‰ Understanding the Ï€âˆ'Ï€ Interactions. Langmuir, 2007, 23, 7911-7915. | 1.6 | 124 |
| 54 | Extracting a Single Polyethylene Oxide Chain from a Single Crystal by a Combination of Atomic Force Microscopy Imaging and Single-Molecule Force Spectroscopy: Toward the Investigation of Molecular Interactions in Their Condensed States. Journal of the American Chemical Society, 2011, 133, 3226-3229. | 6.6 | 122 |

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| 55 | In Situ Hypoxia-Induced Supramolecular Perylene Diimide Radical Anions in Tumors for Photothermal Therapy with Improved Specificity. Journal of the American Chemical Society, 2022, 144, 2360-2367. | 6.6 | 122 |
| 56 | Investigation into an Alternating Multilayer Film of Poly(4-Vinylpyridine) and Poly(acrylic acid) Based on Hydrogen Bonding. Langmuir, 1999, 15, 1360-1363. | 1.6 | 121 |
| 57 | Cucurbit[8]uril-based supramolecular polymers: promoting supramolecular polymerization by metal-coordination. Chemical Communications, 2013, 49, 5766. | 2.2 | 116 |
| 58 | Single Polymer Chain Elongation of Poly(N-isopropylacrylamide) and Poly(acrylamide) by Atomic Force Microscopy. Journal of Physical Chemistry B, 2000, 104, 10258-10264. | 1.2 | 112 |
| 59 | Hostâ€Enhanced Ï€â€“Ï€ Interaction for Waterâ€Soluble Supramolecular Polymerization. Chemistry - A European Journal, 2011, 17, 9930-9935. | 1.7 | 111 |
| 60 | Photoresponsive Supramolecular Amphiphiles for Controlled Selfâ€Assembly of Nanofibers and Vesicles. Advanced Materials, 2010, 22, 2553-2555. | 11.1 | 109 |
| 61 | Supra-Amphiphiles: A New Bridge Between Colloidal Science and Supramolecular Chemistry. Langmuir, 2014, 30, 5989-6001. | 1.6 | 109 |
| 62 | Water-soluble supramolecular hyperbranched polymers based on host-enhanced Ï€â€“Ï€ interaction. Polymer Chemistry, 2013, 4, 900. | 1.9 | 108 |
| 63 | Supramolecular Interfacial Polymerization: A Controllable Method of Fabricating Supramolecular Polymeric Materials. Angewandte Chemie - International Edition, 2017, 56, 7639-7643. | 7.2 | 108 |
| 64 | A new kind of immobilized enzyme multilayer based on cationic and anionic interaction. Macromolecular Rapid Communications, 1994, 15, 405-409. | 2.0 | 107 |
| 65 | Azobenzene-Containing Supramolecular Side-Chain Polymer Films for Laser-Induced Surface Relief Gratings. Chemistry of Materials, 2007, 19, 3877-3881. | 3.2 | 105 |
| 66 | The Introduction of Ï€-Ï€ Stacking Moieties for Fabricating Stable Micellar Structure: Formation and Dynamics of Disklike Micelles. Angewandte Chemie - International Edition, 2005, 44, 4731-4735. | 7.2 | 103 |
| 67 | A supramolecular strategy for tuning the energy level of naphthalenediimide: Promoted formation of radical anions with extraordinary stability. Chemical Science, 2015, 6, 3342-3346. | 3.7 | 102 |
| 68 | Single-Molecule Force Spectroscopy on Poly(acrylic acid) by AFM. Langmuir, 1999, 15, 2120-2124. | 1.6 | 100 |
| 69 | Fabrication of ultrathin film containing bienzyme of glucose oxidase and glucoamylase based on electrostatic interaction and its potential application as a maltose sensor. Macromolecular Chemistry and Physics, 1996, 197, 147-153. | 1.1 | 97 |
| 70 | Roselike Microstructures Formed by Direct In Situ Hydrothermal Synthesis:â€‰ From Superhydrophilicity to Superhydrophobicity. Chemistry of Materials, 2005, 17, 6177-6180. | 3.2 | 97 |
| 71 | A Selfâ€Degradable Supramolecular Photosensitizer with High Photodynamic Therapeutic Efficiency and Improved Safety. Angewandte Chemie - International Edition, 2021, 60, 706-710. | 7.2 | 97 |
| 72 | A New Approach to the Fabrication of a Self-Organizing Film of Heterostructured Polymer/Cu2S Nanoparticles. Advanced Materials, 1998, 10, 529-532. | 11.1 | 96 |

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| 73 | Azobenzene-Containing Supramolecular Polymer Films for Laser-Induced Surface Relief Gratings. Chemistry of Materials, 2007, 19, 14-17. | 3.2 | 93 |
| 74 | Highly Transparent, Underwater Self-Healing, and Ionic Conductive Elastomer Based on Multivalent Ionâ€“Dipole Interactions. Chemistry of Materials, 2020, 32, 6310-6317. | 3.2 | 93 |
| 75 | Dissipative Supramolecular Polymerization Powered by Light. CCS Chemistry, 2019, 1, 335-342. | 4.6 | 93 |
| 76 | Build-up of a new type of ultrathin film of porphyrin and phthalocyanine based on cationic and anionic electrostatic attraction. Journal of the Chemical Society Chemical Communications, 1994, , 1055. | 2.0 | 92 |
| 77 | Redox responsive supramolecular amphiphiles based on reversible charge transfer interactions. Chemical Communications, 2009, , 5380. | 2.2 | 90 |
| 78 | Molecular engineering of polymeric supra-amphiphiles. Chemical Society Reviews, 2019, 48, 989-1003. | 18.7 | 90 |
| 79 | Supramolecular Self-Assembly Induced Adjustable Multiple Gating States of Nanofluidic Diodes. Journal of the American Chemical Society, 2016, 138, 16372-16379. | 6.6 | 82 |
| 80 | Selfâ€Assembled Monolayers of a Malachite Green Derivative: Surfaces with pHâ€•and UVâ€Responsive Wetting Properties. Advanced Materials, 2008, 20, 1972-1977. | 11.1 | 80 |
| 81 | A supramolecular approach to fabricate highly emissive smart materials. Scientific Reports, 2013, 3, 2372. | 1.6 | 80 |
| 82 | Supramolecular Chemistry of Cucurbiturils: Tuning Cooperativity with Multiple Noncovalent Interactions from Positive to Negative. Langmuir, 2016, 32, 12352-12360. | 1.6 | 80 |
| 83 | Supramolecularly Catalyzed Polymerization: From Consecutive Dimerization to Polymerization. Angewandte Chemie - International Edition, 2018, 57, 8545-8549. | 7.2 | 80 |
| 84 | Cytotoxicity Regulated by Hostâ€“Guest Interactions: A Supramolecular Strategy to Realize Controlled Disguise and Exposure. ACS Applied Materials & Interfaces, 2016, 8, 22780-22784. | 4.0 | 79 |
| 85 | Reversible Self-Organization of a UV-Responsive PEG-Terminated Malachite Green Derivative:Â Vesicle Formation and Photoinduced Disassembly. Langmuir, 2007, 23, 4029-4034. | 1.6 | 78 |
| 86 | Supramolecular Chemotherapy: Carboxylated Pillar[6]arene for Decreasing Cytotoxicity of Oxaliplatin to Normal Cells and Improving Its Anticancer Bioactivity Against Colorectal Cancer. ACS Applied Materials & Interfaces, 2018, 10, 5365-5372. | 4.0 | 78 |
| 87 | Enzyme-responsive polymer assemblies constructed through covalent synthesis and supramolecular strategy. Chemical Communications, 2015, 51, 996-1003. | 2.2 | 76 |
| 88 | The fabrication of a supra-amphiphile for dissipative self-assembly. Chemical Science, 2016, 7, 1151-1155. | 3.7 | 76 |
| 89 | Supramolecular catalyst functions in catalytic amount: cucurbit[8]uril accelerates the photodimerization of Brookerâ€™s merocyanine. Chemical Science, 2017, 8, 8357-8361. | 3.7 | 76 |
| 90 | Supramolecular polymer fabricated by click polymerization from supramonomer. Polymer Chemistry, 2014, 5, 323-326. | 1.9 | 74 |

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| 91 | Supramolecular polymeric chemotherapy based on cucurbit[7]uril-PEG copolymer. Biomaterials, 2018, 178, 697-705. | 5.7 | 74 |
| 92 | Supramolecular Polymerization at Low Monomer Concentrations: Enhancing Intermolecular Interactions and Suppressing Cyclization by Rational Molecular Design. Chemistry - A European Journal, 2012, 18, 15650-15654. | 1.7 | 72 |
| 93 | Hyperbranched polyselenides as glutathione peroxidase mimics. Chemical Communications, 2006, , 796. | 2.2 | 71 |
| 94 | Porphyrin-containing hyperbranched supramolecular polymers: enhancing <sup>1</sup>O<sub>2</sub>-generation efficiency by supramolecular polymerization. Polymer Chemistry, 2014, 5, 53-56. | 1.9 | 70 |
| 95 | A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. Angewandte Chemie - International Edition, 2016, 55, 8933-8937. | 7.2 | 69 |
| 96 | Self-Assembly of Supra-amphiphiles Based on Dual Charge-Transfer Interactions: From Nanosheets to Nanofibers. Langmuir, 2012, 28, 10697-10702. | 1.6 | 68 |
| 97 | Single Molecule Force Spectroscopy on Polyelectrolytes:Â Effect of Spacer on Adhesion Force and Linear Charge Density on Rigidity. Macromolecules, 2004, 37, 946-953. | 2.2 | 67 |
| 98 | Fabrication of Reactivated Biointerface for Dualâ€Controlled Reversible Immobilization of Cytochrome c. Advanced Materials, 2009, 21, 4362-4365. | 11.1 | 64 |
| 99 | Fabricating covalently attached hyperbranched polymers by combining photochemistry with supramolecular polymerization. Polymer Chemistry, 2014, 5, 1471-1476. | 1.9 | 64 |
| 100 | Supraâ€Amphiphiles for Functional Assemblies. Advanced Functional Materials, 2016, 26, 8920-8931. | 7.8 | 64 |
| 101 | Supramolecular Polymerization Controlled through Kinetic Trapping. Angewandte Chemie - International Edition, 2017, 56, 16575-16578. | 7.2 | 64 |
| 102 | A Bacteriaâ€Responsive Porphyrin for Adaptable Photodynamic/Photothermal Therapy. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 64 |
| 103 | Surface-Imprinted Nanostructured Layer-by-Layer Film for Molecular Recognition of Theophylline Derivatives. Langmuir, 2008, 24, 11988-11994. | 1.6 | 63 |
| 104 | Superamphiphiles as Building Blocks for Supramolecular Engineering: Towards Functional Materials and Surfaces. Small, 2011, 7, 1379-1383. | 5.2 | 63 |
| 105 | Super Strong and Multi-Reusable Supramolecular Epoxy Hot Melt Adhesives. , 2021, 3, 1003-1009. | | 62 |
| 106 | Light-Controlled Single-Walled Carbon Nanotube Dispersions in Aqueous Solution. Langmuir, 2008, 24, 9233-9236. | 1.6 | 61 |
| 107 | Targeting the Cell Membrane by Charge-Reversal Amphiphilic Pillar[5]arene for the Selective Killing of Cancer Cells. ACS Applied Materials & Interfaces, 2019, 11, 38497-38502. | 4.0 | 61 |
| 108 | Cucurbit[n]urils for Supramolecular Catalysis. Chemistry - A European Journal, 2020, 26, 15446-15460. | 1.7 | 61 |

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| 109 | Enzyme-Responsive Polymeric Supra-Amphiphiles Formed by the Complexation of Chitosan and ATP. Langmuir, 2012, 28, 14562-14566. | 1.6 | 60 |
| 110 | Reactive oxygen species (ROS)-responsive tellurium-containing hyperbranched polymer. Polymer Chemistry, 2015, 6, 2817-2821. | 1.9 | 60 |
| 111 | Simple Method to Isolate Single Polymer Chains for the Direct Measurement of the Desorption Force. Nano Letters, 2003, 3, 245-248. | 4.5 | 59 |
| 112 | Force spectroscopy of polymers: Studying on intramolecular and intermolecular interactions in single molecular level. Polymer, 2008, 49, 3353-3361. | 1.8 | 59 |
| 113 | From Bolaâ€amphiphiles to Supraâ€amphiphiles: The Transformation from Twoâ€Dimensional Nanosheets into Oneâ€Dimensional Nanofibers with Tunableâ€Packing Fashion of nâ€Type Chromophores. Chemistry - A European Journal, 2012, 18, 8622-8628. | 1.7 | 57 |
| 114 | Self-Assembly of a Functional Oligo(Aniline)-Based Amphiphile into Helical Conductive Nanowires. Journal of the American Chemical Society, 2015, 137, 14288-14294. | 6.6 | 57 |
| 115 | Closed Mechanoelectrochemical Cycles of Individual Singleâ€Chain Macromolecular Motors by AFM. Angewandte Chemie - International Edition, 2007, 46, 8400-8404. | 7.2 | 56 |
| 116 | Tuning the Energy Gap by Supramolecular Approaches: Towards Nearâ€Infrared Organic Assemblies and Materials. Small, 2016, 12, 24-31. | 5.2 | 56 |
| 117 | Single-Molecule Force Spectroscopy on Curdlan:â€‰ Unwinding Helical Structures and Random Coils. Nano Letters, 2003, 3, 1119-1124. | 4.5 | 55 |
| 118 | Biostructure-like Surfaces with Thermally Responsive Wettability Prepared by Temperature-Induced Phase Separation Micromolding. Langmuir, 2010, 26, 9673-9676. | 1.6 | 55 |
| 119 | Activatable Photosensitizer for Smart Photodynamic Therapy Triggered by Reactive Oxygen Species in Tumor Cells. ACS Applied Materials & Interfaces, 2020, 12, 26982-26990. | 4.0 | 55 |
| 120 | Combining Hydrogen-Bonding Complexation in Solution and Hydrogen-Bonding-Directed Layer-by-Layer Assembly for the Controlled Loading of a Small Organic Molecule into Multilayer Films. Langmuir, 2007, 23, 11631-11636. | 1.6 | 53 |
| 121 | Controllable Supramolecular Polymerization through Hostâ€“Guest Interaction and Photochemistry. ACS Macro Letters, 2015, 4, 611-615. | 2.3 | 53 |
| 122 | Polypseudorotaxane Constructed from Cationic Polymer with Cucurbit[7]uril for Controlled Antibacterial Activity. ACS Macro Letters, 2016, 5, 1109-1113. | 2.3 | 53 |
| 123 | Supramolecular Peptide Therapeutics: Hostâ€“Guest Interaction-Assisted Systemic Delivery of Anticancer Peptides. CCS Chemistry, 2020, 2, 739-748. | 4.6 | 53 |
| 124 | Force Spectroscopy Study on Poly(acrylamide) Derivatives:â€‰ Effects of Substitutes and Buffers on Single-Chain Elasticity. Nano Letters, 2002, 2, 1169-1172. | 4.5 | 52 |
| 125 | Acetylcholinesterase Responsive Polymeric Supra-Amphiphiles for Controlled Self-Assembly and Disassembly. Langmuir, 2012, 28, 6032-6036. | 1.6 | 52 |
| 126 | Unconventional Layerâ€byâ€Layer Assembly: Surface Molecular Imprinting and Its Applications. Small, 2012, 8, 517-523. | 5.2 | 52 |

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| 127 | Water-soluble supramolecular polymers fabricated through specific interactions between cucurbit[8]uril and a tripeptide of Phe-Gly-Gly. Polymer Chemistry, 2013, 4, 5378. | 1.9 | 52 |
| 128 | Bolaform Superamphiphile Based on a Dynamic Covalent Bond and Its Self-Assembly in Water. Langmuir, 2011, 27, 12375-12380. | 1.6 | 50 |
| 129 | Reversible Disulfide Cross-Linking in Layer-by-Layer Films:Â Preassembly Enhanced Loading and pH/Reductant Dually Controllable Release. Langmuir, 2007, 23, 6377-6384. | 1.6 | 49 |
| 130 | Pillar[6]arene Containing Multilayer Films: Reversible Uptake and Release of Guest Molecules with Methyl Viologen Moieties. ACS Applied Materials & Interfaces, 2016, 8, 3679-3685. | 4.0 | 49 |
| 131 | Single molecule force spectroscopy on poly(vinyl alcohol) by atomic force microscopy. Macromolecular Rapid Communications, 1998, 19, 609-612. | 2.0 | 48 |
| 132 | Unexpected Temperature-Dependent Single Chain Mechanics of Poly(N-isopropyl-acrylamide) in Water. Langmuir, 2012, 28, 5151-5157. | 1.6 | 48 |
| 133 | Rational Adjustment of Multicolor Emissions by Cucurbiturils-Based Hostâ€“Guest Chemistry and Photochemistry. Langmuir, 2013, 29, 12909-12914. | 1.6 | 48 |
| 134 | A New Dynamic Covalent Bond of Seï£¿N: Towards Controlled Selfâ€Assembly and Disassembly. Chemistry - A European Journal, 2013, 19, 9506-9510. | 1.7 | 48 |
| 135 | Tuning the Surface Activity of Gemini Amphiphile by the Hostâ€“Guest Interaction of Cucurbit[7]uril. Langmuir, 2015, 31, 120-124. | 1.6 | 46 |
| 136 | Supramolecular Radical Anions Triggered by Bacteria Inâ€…Situ for Selective Photothermal Therapy. Angewandte Chemie, 2017, 129, 16457-16460. | 1.6 | 46 |
| 137 | Self-Motivated Supramolecular Combination Chemotherapy for Overcoming Drug Resistance Based on Acid-Activated Competition of Hostâ€“Guest Interactions. CCS Chemistry, 2021, 3, 1413-1425. | 4.6 | 46 |
| 138 | Single-Chain Elasticity of Poly(ferrocenyldimethylsilane) and Poly(ferrocenylmethylphenylsilane). Macromolecules, 2004, 37, 1839-1842. | 2.2 | 45 |
| 139 | Single-Molecule Force Spectroscopy of Selenium-Containing Amphiphilic Block Copolymer: Toward Disassembling the Polymer Micelles. Langmuir, 2012, 28, 9601-9605. | 1.6 | 45 |
| 140 | Hydrogen-Bonding-Directed Layer-by-Layer Films:Â Effect of Electrostatic Interaction on the Microporous Morphology Variation. Langmuir, 2004, 20, 11828-11832. | 1.6 | 44 |
| 141 | Single-Chain Mechanical Property of Poly(N-vinyl-2-pyrrolidone) and Interaction with Small Molecules. Journal of Physical Chemistry B, 2005, 109, 14807-14812. | 1.2 | 44 |
| 142 | Block Copolymer Micelles as Matrixes for Incorporating Diselenide Compounds:Â A Model System for a Water-Soluble Glutathione Peroxidase Mimic Fine-Tuned by Ionic Strength. Langmuir, 2006, 22, 5552-5555. | 1.6 | 44 |
| 143 | Highly Efficient Supramolecular Catalysis by Endowing the Reaction Intermediate with Adaptive Reactivity. Angewandte Chemie - International Edition, 2018, 57, 6077-6081. | 7.2 | 44 |
| 144 | A Supramolecular Radical Dimer: Highâ€Efficiency NIRâ€II Photothermal Conversion and Therapy. Angewandte Chemie, 2019, 131, 15672-15677. | 1.6 | 44 |

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| 145 | Single-Molecule Study on Intermolecular Interaction between C60and Porphyrin Derivatives: Toward Understanding the Strength of the Multivalency. Langmuir, 2009, 25, 6627-6632. | 1.6 | 43 |
| 146 | Generation of 2D organic microsheets from protonated melamine derivatives: suppression of the self assembly of a particular dimension by introduction of alkyl chains. Chemical Science, 2012, 3, 3227. | 3.7 | 43 |
| 147 | Fabrication of well-defined crystalline azacalixarene nanosheets assisted by Seâ¯N non-covalent interactions. Chemical Communications, 2012, 48, 7495. | 2.2 | 43 |
| 148 | Molecular Dynamics Simulations of the Supramolecular Assembly between an Azobenzene-Containing Surfactant and Î±-Cyclodextrin: Role of Photoisomerization. Journal of Physical Chemistry B, 2012, 116, 823-832. | 1.2 | 43 |
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