

Xi Zhang

List of Publications by Citations

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303
papers

22,806
citations

73
h-index

140
g-index

324
ext. papers

25,003
ext. citations

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| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 303 | Superhydrophobic surfaces: from structural control to functional application. <i>Journal of Materials Chemistry</i> , 2008 , 18, 621-633 | | 1378 |
| 302 | Supramolecular Polymers: Historical Development, Preparation, Characterization, and Functions. <i>Chemical Reviews</i> , 2015 , 115, 7196-239 | 68.1 | 853 |
| 301 | Environment-Friendly Method To Produce Graphene That Employs Vitamin C and Amino Acid. <i>Chemistry of Materials</i> , 2010 , 22, 2213-2218 | 9.6 | 621 |
| 300 | Polyelectrolyte multilayer as matrix for electrochemical deposition of gold clusters: toward super-hydrophobic surface. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3064-5 | 16.4 | 595 |
| 299 | Low-Temperature Synthesis and High Visible-Light-Induced Photocatalytic Activity of BiOI/TiO ₂ Heterostructures. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7371-7378 | 3.8 | 591 |
| 298 | Amphiphilic building blocks for self-assembly: from amphiphiles to supra-amphiphiles. <i>Accounts of Chemical Research</i> , 2012 , 45, 608-18 | 24.3 | 583 |
| 297 | Supramolecular amphiphiles. <i>Chemical Society Reviews</i> , 2011 , 40, 94-101 | 58.5 | 580 |
| 296 | Dual redox responsive assemblies formed from diselenide block copolymers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 442-3 | 16.4 | 571 |
| 295 | Layer-by-layer assembly: from conventional to unconventional methods. <i>Chemical Communications</i> , 2007 , 1395-405 | 5.8 | 471 |
| 294 | Photocontrolled reversible supramolecular assemblies of an azobenzene-containing surfactant with alpha-cyclodextrin. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2823-6 | 16.4 | 462 |
| 293 | Selenium-containing polymers: promising biomaterials for controlled release and enzyme mimics. <i>Accounts of Chemical Research</i> , 2013 , 46, 1647-58 | 24.3 | 410 |
| 292 | Tuning the Amphiphilicity of Building Blocks: Controlled Self-Assembly and Disassembly for Functional Supramolecular Materials. <i>Advanced Materials</i> , 2009 , 21, 2849-2864 | 24 | 396 |
| 291 | Supramolecular chemistry at interfaces: host-guest interactions for fabricating multifunctional biointerfaces. <i>Accounts of Chemical Research</i> , 2014 , 47, 2106-15 | 24.3 | 359 |
| 290 | Water-soluble supramolecular polymerization driven by multiple host-stabilized charge-transfer interactions. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6576-9 | 16.4 | 357 |
| 289 | A new approach for the fabrication of an alternating multilayer film of poly(4-vinylpyridine) and poly(acrylic acid) based on hydrogen bonding. <i>Macromolecular Rapid Communications</i> , 1997 , 18, 509-514 | 4.8 | 352 |
| 288 | Characterization of supramolecular polymers. <i>Chemical Society Reviews</i> , 2012 , 41, 5922-32 | 58.5 | 259 |
| 287 | Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018 , 61, 1503-1552 | 7.9 | 256 |

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| 286 | Supramolecular photosensitizers with enhanced antibacterial efficiency. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8285-9 | 16.4 | 246 |
| 285 | 25th anniversary article: reversible and adaptive functional supramolecular materials: "noncovalent interaction" matters. <i>Advanced Materials</i> , 2013 , 25, 5530-48 | 24 | 228 |
| 284 | Single molecule mechanochemistry of macromolecules. <i>Progress in Polymer Science</i> , 2003 , 28, 1271-1295 | 29.6 | 220 |
| 283 | Controlled self-assembly manipulated by charge-transfer interactions: from tubes to vesicles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9049-52 | 16.4 | 188 |
| 282 | Photocontrolled self-assembly and disassembly of block ionomer complex vesicles: a facile approach toward supramolecular polymer nanocontainers. <i>Langmuir</i> , 2010 , 26, 709-15 | 4 | 187 |
| 281 | An enzyme-responsive polymeric superamphiphile. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8612-5 | 16.4 | 187 |
| 280 | Supramolecular polymerization promoted and controlled through self-sorting. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5351-5 | 16.4 | 182 |
| 279 | Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16239-16242 | 16.4 | 171 |
| 278 | Self-assembled monolayers of dendron thiols for electrodeposition of gold nanostructures: toward fabrication of superhydrophobic/superhydrophilic surfaces and pH-responsive surfaces. <i>Langmuir</i> , 2005 , 21, 1986-90 | 4 | 171 |
| 277 | Highly efficient dendrimer-based mimic of glutathione peroxidase. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10556-7 | 16.4 | 165 |
| 276 | Tuning surface wettability through photocontrolled reversible molecular shuttle. <i>Chemical Communications</i> , 2008 , 5710-2 | 5.8 | 162 |
| 275 | Supramolecular amphiphiles based on a water-soluble charge-transfer complex: fabrication of ultralong nanofibers with tunable straightness. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8962-5 | 16.4 | 159 |
| 274 | Cucurbit[8]uril-based supramolecular polymers. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1626-32 | 4.5 | 158 |
| 273 | Supramolecular Antibacterial Materials for Combatting Antibiotic Resistance. <i>Advanced Materials</i> , 2019 , 31, e1805092 | 24 | 158 |
| 272 | Selenium-containing block copolymers and their oxidation-responsive aggregates. <i>Polymer Chemistry</i> , 2010 , 1, 1609 | 4.9 | 150 |
| 271 | Supramolecular free radicals: near-infrared organic materials with enhanced photothermal conversion. <i>Chemical Science</i> , 2015 , 6, 3975-3980 | 9.4 | 136 |
| 270 | Surface gradient material: from superhydrophobicity to superhydrophilicity. <i>Langmuir</i> , 2006 , 22, 4483-6 | 4 | 135 |
| 269 | Antimicrobial cationic polymers: from structural design to functional control. <i>Polymer Journal</i> , 2018 , 50, 33-44 | 2.7 | 133 |

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| 268 | Hydrogen-Bonding-Directed Layer-by-Layer Multilayer Assembly: Reformation Yielding Microporous Films. <i>Macromolecules</i> , 2002 , 35, 9451-9458 | 5.5 | 132 |
| 267 | A pH-responsive superamphiphile based on dynamic covalent bonds. <i>Chemistry - A European Journal</i> , 2011 , 17, 3322-5 | 4.8 | 130 |
| 266 | Radiation-sensitive diselenide block co-polymer micellar aggregates: toward the combination of radiotherapy and chemotherapy. <i>Langmuir</i> , 2011 , 27, 5874-8 | 4 | 129 |
| 265 | Superamphiphiles based on directional charge-transfer interactions: from supramolecular engineering to well-defined nanostructures. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4952-6 | 16.4 | 128 |
| 264 | Side-chain selenium-containing amphiphilic block copolymers: redox-controlled self-assembly and disassembly. <i>Soft Matter</i> , 2012 , 8, 1460-1466 | 3.6 | 121 |
| 263 | Oxidation-responsive micelles based on a selenium-containing polymeric superamphiphile. <i>Langmuir</i> , 2010 , 26, 14414-8 | 4 | 121 |
| 262 | Hydrogen Bonding Governs the Elastic Properties of Poly(vinyl alcohol) in Water: Single-Molecule Force Spectroscopic Studies of PVA by AFM. <i>Macromolecules</i> , 2000 , 33, 465-469 | 5.5 | 118 |
| 261 | Single-molecule force spectroscopy on polysaccharides by AFM [nanomechanical fingerprint of β (1,4)-linked polysaccharides. <i>Chemical Physics Letters</i> , 1999 , 305, 197-201 | 2.5 | 118 |
| 260 | Supramolecular Chemotherapy: Cooperative Enhancement of Antitumor Activity by Combining Controlled Release of Oxaliplatin and Consuming of Spermine by Cucurbit[7]uril. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8602-8608 | 9.5 | 115 |
| 259 | Water-Soluble Supramolecular Polymerization Driven by Multiple Host-Stabilized Charge-Transfer Interactions. <i>Angewandte Chemie</i> , 2010 , 122, 6726-6729 | 3.6 | 115 |
| 258 | Covalently Attached Multilayer Assemblies by Sequential Adsorption of Polycationic Diazo-Resins and Polyanionic Poly(acrylic acid). <i>Langmuir</i> , 2000 , 16, 4620-4624 | 4 | 115 |
| 257 | Direct measurements of the interaction between pyrene and graphite in aqueous media by single molecule force spectroscopy: understanding the pi-pi interactions. <i>Langmuir</i> , 2007 , 23, 7911-5 | 4 | 114 |
| 256 | Investigation into an Alternating Multilayer Film of Poly(4-Vinylpyridine) and Poly(acrylic acid) Based on Hydrogen Bonding. <i>Langmuir</i> , 1999 , 15, 1360-1363 | 4 | 113 |
| 255 | Cucurbit[8]uril-based supramolecular polymers: promoting supramolecular polymerization by metal-coordination. <i>Chemical Communications</i> , 2013 , 49, 5766-8 | 5.8 | 107 |
| 254 | Photoresponsive supramolecular amphiphiles for controlled self-assembly of nanofibers and vesicles. <i>Advanced Materials</i> , 2010 , 22, 2553-5 | 24 | 105 |
| 253 | 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. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3226-9 | 16.4 | 104 |
| 252 | Supra-amphiphiles: a new bridge between colloidal science and supramolecular chemistry. <i>Langmuir</i> , 2014 , 30, 5989-6001 | 4 | 102 |
| 251 | Host-enhanced π - π interaction for water-soluble supramolecular polymerization. <i>Chemistry - A European Journal</i> , 2011 , 17, 9930-5 | 4.8 | 102 |

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| 250 | Water-soluble supramolecular hyperbranched polymers based on host-enhanced π - π interaction. <i>Polymer Chemistry</i> , 2013 , 4, 900 | 4.9 | 101 |
| 249 | Photocontrolled Reversible Supramolecular Assemblies of an Azobenzene-Containing Surfactant with β -Cyclodextrin. <i>Angewandte Chemie</i> , 2007 , 119, 2881-2884 | 3.6 | 101 |
| 248 | Supramolecular Hydrogels Fabricated from Supramonomers: A Novel Wound Dressing Material. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11368-11372 | 9.5 | 99 |
| 247 | The introduction of π - π stacking moieties for fabricating stable micellar structure: formation and dynamics of disklike micelles. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4731-5 | 16.4 | 99 |
| 246 | A Supramolecular Radical Dimer: High-Efficiency NIR-II Photothermal Conversion and Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15526-15531 | 16.4 | 97 |
| 245 | Azobenzene-Containing Supramolecular Side-Chain Polymer Films for Laser-Induced Surface Relief Gratings. <i>Chemistry of Materials</i> , 2007 , 19, 3877-3881 | 9.6 | 97 |
| 244 | Single Polymer Chain Elongation of Poly(N-isopropylacrylamide) and Poly(acrylamide) by Atomic Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 10258-10264 | 3.4 | 97 |
| 243 | A new kind of immobilized enzyme multilayer based on cationic and anionic interaction. <i>Macromolecular Rapid Communications</i> , 1994 , 15, 405-409 | 4.8 | 94 |
| 242 | Fabrication of ultrathin film containing bienzyme of glucose oxidase and glucoamylase based on electrostatic interaction and its potential application as a maltose sensor. <i>Macromolecular Chemistry and Physics</i> , 1996 , 197, 147-153 | 2.6 | 92 |
| 241 | Supramolecular Porphyrin Photosensitizers: Controllable Disguise and Photoinduced Activation of Antibacterial Behavior. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13950-13957 | 9.5 | 89 |
| 240 | Redox responsive supramolecular amphiphiles based on reversible charge transfer interactions. <i>Chemical Communications</i> , 2009 , 5380-2 | 5.8 | 89 |
| 239 | Azobenzene-Containing Supramolecular Polymer Films for Laser-Induced Surface Relief Gratings. <i>Chemistry of Materials</i> , 2007 , 19, 14-17 | 9.6 | 89 |
| 238 | Roselike Microstructures Formed by Direct In Situ Hydrothermal Synthesis: From Superhydrophilicity to Superhydrophobicity. <i>Chemistry of Materials</i> , 2005 , 17, 6177-6180 | 9.6 | 89 |
| 237 | A New Approach to the Fabrication of a Self-Organizing Film of Heterostructured Polymer/Cu ₂ S Nanoparticles. <i>Advanced Materials</i> , 1998 , 10, 529-532 | 24 | 88 |
| 236 | Single-Molecule Force Spectroscopy on Poly(acrylic acid) by AFM. <i>Langmuir</i> , 1999 , 15, 2120-2124 | 4 | 88 |
| 235 | Build-up of a new type of ultrathin film of porphyrin and phthalocyanine based on cationic and anionic electrostatic attraction. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1055 | | 83 |
| 234 | A supramolecular strategy for tuning the energy level of naphthalenediimide: Promoted formation of radical anions with extraordinary stability. <i>Chemical Science</i> , 2015 , 6, 3342-3346 | 9.4 | 78 |
| 233 | Supramolecular Interfacial Polymerization: A Controllable Method of Fabricating Supramolecular Polymeric Materials. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7639-7643 | 16.4 | 76 |

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| 232 | Reversible self-organization of a UV-responsive PEG-terminated malachite green derivative: vesicle formation and photoinduced disassembly. <i>Langmuir</i> , 2007 , 23, 4029-34 | 4 | 75 |
| 231 | Self-Assembled Monolayers of a Malachite Green Derivative: Surfaces with pH- and UV-Responsive Wetting Properties. <i>Advanced Materials</i> , 2008 , 20, 1972-1977 | 24 | 73 |
| 230 | A supramolecular approach to fabricate highly emissive smart materials. <i>Scientific Reports</i> , 2013 , 3, 23724-9 | 72 | |
| 229 | Supramolecular polymer fabricated by click polymerization from supramonomer. <i>Polymer Chemistry</i> , 2014 , 5, 323-326 | 4.9 | 71 |
| 228 | Hyperbranched polyselenides as glutathione peroxidase mimics. <i>Chemical Communications</i> , 2006 , 796-8 | 5.8 | 71 |
| 227 | Enzyme-responsive polymer assemblies constructed through covalent synthesis and supramolecular strategy. <i>Chemical Communications</i> , 2015 , 51, 996-1003 | 5.8 | 67 |
| 226 | Tough and Multi-Recyclable Cross-Linked Supramolecular Polyureas via Incorporating Noncovalent Bonds into Main-Chains. <i>Advanced Materials</i> , 2020 , 32, e2000096 | 24 | 67 |
| 225 | The fabrication of a supra-amphiphile for dissipative self-assembly. <i>Chemical Science</i> , 2016 , 7, 1151-1155 | 9.4 | 66 |
| 224 | Supramolecular polymerization at low monomer concentrations: enhancing intermolecular interactions and suppressing cyclization by rational molecular design. <i>Chemistry - A European Journal</i> , 2012 , 18, 15650-4 | 4.8 | 66 |
| 223 | Self-assembly of supra-amphiphiles based on dual charge-transfer interactions: from nanosheets to nanofibers. <i>Langmuir</i> , 2012 , 28, 10697-702 | 4 | 65 |
| 222 | Controlled Self-Assembly Manipulated by Charge-Transfer Interactions: From Tubes to Vesicles. <i>Angewandte Chemie</i> , 2008 , 120, 9189-9192 | 3.6 | 65 |
| 221 | Supramolecularly Catalyzed Polymerization: From Consecutive Dimerization to Polymerization. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8545-8549 | 16.4 | 63 |
| 220 | Surface-imprinted nanostructured layer-by-layer film for molecular recognition of theophylline derivatives. <i>Langmuir</i> , 2008 , 24, 11988-94 | 4 | 63 |
| 219 | Supramolecular Chemotherapy: Carboxylated Pillar[6]arene for Decreasing Cytotoxicity of Oxaliplatin to Normal Cells and Improving Its Anticancer Bioactivity Against Colorectal Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5365-5372 | 9.5 | 62 |
| 218 | Cytotoxicity Regulated by Host-Guest Interactions: A Supramolecular Strategy to Realize Controlled Disguise and Exposure. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22780-4 | 9.5 | 62 |
| 217 | Fabricating covalently attached hyperbranched polymers by combining photochemistry with supramolecular polymerization. <i>Polymer Chemistry</i> , 2014 , 5, 1471-1476 | 4.9 | 62 |
| 216 | Porphyrim-containing hyperbranched supramolecular polymers: enhancing 1O ₂ -generation efficiency by supramolecular polymerization. <i>Polymer Chemistry</i> , 2014 , 5, 53-56 | 4.9 | 62 |
| 215 | Molecular engineering of polymeric supra-amphiphiles. <i>Chemical Society Reviews</i> , 2019 , 48, 989-1003 | 58.5 | 61 |

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| 214 | Fabrication of reactivated biointerface for dual-controlled reversible immobilization of cytochrome C. <i>Advanced Materials</i> , 2009 , 21, 4362-5 | 24 | 61 |
| 213 | Supramolecular catalyst functions in catalytic amount: cucurbit[8]uril accelerates the photodimerization of Brooker's merocyanine. <i>Chemical Science</i> , 2017 , 8, 8357-8361 | 9.4 | 60 |
| 212 | Supramolecular Photosensitizers with Enhanced Antibacterial Efficiency. <i>Angewandte Chemie</i> , 2013 , 125, 8443-8447 | 3.6 | 60 |
| 211 | Single Molecule Force Spectroscopy on Polyelectrolytes: Effect of Spacer on Adhesion Force and Linear Charge Density on Rigidity. <i>Macromolecules</i> , 2004 , 37, 946-953 | 5.5 | 60 |
| 210 | An Enzyme-Responsive Polymeric Superamphiphile. <i>Angewandte Chemie</i> , 2010 , 122, 8794-8797 | 3.6 | 59 |
| 209 | Tuning the stability of organic radicals: from covalent approaches to non-covalent approaches. <i>Chemical Science</i> , 2020 , 11, 1192-1204 | 9.4 | 59 |
| 208 | Supramolecular Chemistry of Cucurbiturils: Tuning Cooperativity with Multiple Noncovalent Interactions from Positive to Negative. <i>Langmuir</i> , 2016 , 32, 12352-12360 | 4 | 59 |
| 207 | Supra-Amphiphiles for Functional Assemblies. <i>Advanced Functional Materials</i> , 2016 , 26, 8920-8931 | 15.6 | 58 |
| 206 | Superamphiphiles as building blocks for supramolecular engineering: towards functional materials and surfaces. <i>Small</i> , 2011 , 7, 1379-83 | 11 | 57 |
| 205 | Light-controlled single-walled carbon nanotube dispersions in aqueous solution. <i>Langmuir</i> , 2008 , 24, 9233-6 | 4 | 57 |
| 204 | A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8933-7 | 16.4 | 57 |
| 203 | Supramolecular polymer chemistry: From structural control to functional assembly. <i>Progress in Polymer Science</i> , 2020 , 100, 101167 | 29.6 | 57 |
| 202 | From bola-amphiphiles to supra-amphiphiles: the transformation from two-dimensional nanosheets into one-dimensional nanofibers with tunable-packing fashion of n-type chromophores. <i>Chemistry - A European Journal</i> , 2012 , 18, 8622-8 | 4.8 | 56 |
| 201 | Supramolecular Self-Assembly Induced Adjustable Multiple Gating States of Nanofluidic Diodes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16372-16379 | 16.4 | 55 |
| 200 | Enzyme-responsive polymeric supra-amphiphiles formed by the complexation of chitosan and ATP. <i>Langmuir</i> , 2012 , 28, 14562-6 | 4 | 55 |
| 199 | Dissipative Supramolecular Polymerization Powered by Light. <i>CCS Chemistry</i> , 2019 , 1, 335-342 | 7.2 | 54 |
| 198 | Closed mechano-electrochemical cycles of individual single-chain macromolecular motors by AFM. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8400-4 | 16.4 | 53 |
| 197 | Simple Method to Isolate Single Polymer Chains for the Direct Measurement of the Desorption Force. <i>Nano Letters</i> , 2003 , 3, 245-248 | 11.5 | 53 |

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| 196 | 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. <i>Langmuir</i> , 2007 , 23, 11631-6 | 4 | 52 |
| 195 | Acetylcholinesterase responsive polymeric supra-amphiphiles for controlled self-assembly and disassembly. <i>Langmuir</i> , 2012 , 28, 6032-6 | 4 | 50 |
| 194 | Self-Assembly of a Functional Oligo(Aniline)-Based Amphiphile into Helical Conductive Nanowires. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14288-94 | 16.4 | 49 |
| 193 | Supramolecular polymeric chemotherapy based on cucurbit[7]uril-PEG copolymer. <i>Biomaterials</i> , 2018 , 178, 697-705 | 15.6 | 49 |
| 192 | Water-soluble supramolecular polymers fabricated through specific interactions between cucurbit[8]uril and a tripeptide of Phe-Gly-Gly. <i>Polymer Chemistry</i> , 2013 , 4, 5378 | 4.9 | 49 |
| 191 | Unconventional layer-by-layer assembly: surface molecular imprinting and its applications. <i>Small</i> , 2012 , 8, 517-23 | 11 | 49 |
| 190 | Controllable Supramolecular Polymerization through Host-Guest Interaction and Photochemistry. <i>ACS Macro Letters</i> , 2015 , 4, 611-615 | 6.6 | 48 |
| 189 | Biostructure-like surfaces with thermally responsive wettability prepared by temperature-induced phase separation micromolding. <i>Langmuir</i> , 2010 , 26, 9673-6 | 4 | 48 |
| 188 | Reversible disulfide cross-linking in layer-by-layer films: preassembly enhanced loading and pH/reductant dually controllable release. <i>Langmuir</i> , 2007 , 23, 6377-84 | 4 | 48 |
| 187 | Force spectroscopy of polymers: Studying on intramolecular and intermolecular interactions in single molecular level. <i>Polymer</i> , 2008 , 49, 3353-3361 | 3.9 | 48 |
| 186 | Bolaform superamphiphile based on a dynamic covalent bond and its self-assembly in water. <i>Langmuir</i> , 2011 , 27, 12375-80 | 4 | 47 |
| 185 | Single-Molecule Force Spectroscopy on Curdlan: Unwinding Helical Structures and Random Coils. <i>Nano Letters</i> , 2003 , 3, 1119-1124 | 11.5 | 47 |
| 184 | Force Spectroscopy Study on Poly(acrylamide) Derivatives: Effects of Substitutes and Buffers on Single-Chain Elasticity. <i>Nano Letters</i> , 2002 , 2, 1169-1172 | 11.5 | 47 |
| 183 | Supramolecular Polymerization Controlled through Kinetic Trapping. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16575-16578 | 16.4 | 46 |
| 182 | Reactive oxygen species (ROS)-responsive tellurium-containing hyperbranched polymer. <i>Polymer Chemistry</i> , 2015 , 6, 2817-2821 | 4.9 | 45 |
| 181 | Hydrogen-bonding-directed layer-by-layer films: effect of electrostatic interaction on the microporous morphology variation. <i>Langmuir</i> , 2004 , 20, 11828-32 | 4 | 44 |
| 180 | Superamphiphiles Based on Directional Charge-Transfer Interactions: From Supramolecular Engineering to Well-Defined Nanostructures. <i>Angewandte Chemie</i> , 2011 , 123, 5054-5058 | 3.6 | 43 |
| 179 | Block copolymer micelles as matrixes for incorporating diselenide compounds: a model system for a water-soluble glutathione peroxidase mimic fine-tuned by ionic strength. <i>Langmuir</i> , 2006 , 22, 5552-5 | 4 | 43 |

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| 178 | Polypseudorotaxane Constructed from Cationic Polymer with Cucurbit[7]uril for Controlled Antibacterial Activity. <i>ACS Macro Letters</i> , 2016 , 5, 1109-1113 | 6.6 | 42 |
| 177 | Supramolecular Polymerization Promoted and Controlled through Self-Sorting. <i>Angewandte Chemie</i> , 2014 , 126, 5455-5459 | 3.6 | 42 |
| 176 | Single molecule force spectroscopy on poly(vinyl alcohol) by atomic force microscopy. <i>Macromolecular Rapid Communications</i> , 1998 , 19, 609-612 | 4.8 | 42 |
| 175 | Single-Chain Elasticity of Poly(ferrocenyldimethylsilane) and Poly(ferrocenylmethylphenylsilane). <i>Macromolecules</i> , 2004 , 37, 1839-1842 | 5.5 | 42 |
| 174 | Tuning the surface activity of gemini amphiphile by the host-guest interaction of cucurbit[7]uril. <i>Langmuir</i> , 2015 , 31, 120-4 | 4 | 41 |
| 173 | Fabrication of well-defined crystalline azacalixarene nanosheets assisted by Se-N non-covalent interactions. <i>Chemical Communications</i> , 2012 , 48, 7495-7 | 5.8 | 41 |
| 172 | Supramolecular Amphiphiles Based on a Water-Soluble Charge-Transfer Complex: Fabrication of Ultralong Nanofibers with Tunable Straightness. <i>Angewandte Chemie</i> , 2009 , 121, 9124-9127 | 3.6 | 41 |
| 171 | Single-molecule study on intermolecular interaction between C60 and porphyrin derivatives: toward understanding the strength of the multivalency. <i>Langmuir</i> , 2009 , 25, 6627-32 | 4 | 41 |
| 170 | Tuning the Energy Gap by Supramolecular Approaches: Towards Near-Infrared Organic Assemblies and Materials. <i>Small</i> , 2016 , 12, 24-31 | 11 | 40 |
| 169 | Single-molecule force spectroscopy of selenium-containing amphiphilic block copolymer: toward disassembling the polymer micelles. <i>Langmuir</i> , 2012 , 28, 9601-5 | 4 | 40 |
| 168 | Surface molecular imprinting in layer-by-layer films on silica particles. <i>Langmuir</i> , 2012 , 28, 4267-73 | 4 | 40 |
| 167 | Molecular dynamics simulations of the supramolecular assembly between an azobenzene-containing surfactant and β -cyclodextrin: role of photoisomerization. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 823-32 | 3.4 | 40 |
| 166 | A new dynamic covalent bond of Se-N: towards controlled self-assembly and disassembly. <i>Chemistry - A European Journal</i> , 2013 , 19, 9506-10 | 4.8 | 40 |
| 165 | Pillar[6]arene Containing Multilayer Films: Reversible Uptake and Release of Guest Molecules with Methyl Viologen Moieties. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3679-85 | 9.5 | 39 |
| 164 | Rational adjustment of multicolor emissions by cucurbiturils-based host-guest chemistry and photochemistry. <i>Langmuir</i> , 2013 , 29, 12909-14 | 4 | 39 |
| 163 | Superamphiphiles based on charge transfer complex: controllable hierarchical self-assembly of nanoribbons. <i>Langmuir</i> , 2010 , 26, 14509-11 | 4 | 39 |
| 162 | Single-chain mechanical property of poly(N-vinyl-2-pyrrolidone) and interaction with small molecules. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 14807-12 | 3.4 | 39 |
| 161 | Highly Transparent, Underwater Self-Healing, and Ionic Conductive Elastomer Based on Multivalent Ion-Dipole Interactions. <i>Chemistry of Materials</i> , 2020 , 32, 6310-6317 | 9.6 | 38 |

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