Wen-Bin Zhang

List of Publications by Year
in descending order

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		57758	71685
149	6,885	44	76
papers	citations	h-index	g-index

152	152	152	5443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective assemblies of giant tetrahedra via precisely controlled positional interactions. Science, 2015, 348, 424-428.	12.6	338
2	Molecular Nanoparticles Are Unique Elements for Macromolecular Science: From â€œNanoatomsâ€•to Giant Molecules. Macromolecules, 2014, 47, 1221-1239.	4.8	308
3	A Giant Surfactant of Polystyreneâ^'(Carboxylic Acid-Functionalized Polyhedral Oligomeric) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 the American Chemical Society, 2010, 132, 16741-16744.	13.7	235
4	Synthesis of bioactive protein hydrogels by genetically encoded SpyTag-SpyCatcher chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11269-11274.	7.1	221
5	Giant surfactants provide a versatile platform for sub-10-nm nanostructure engineering. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10078-10083.	7.1	202
6	Geometry induced sequence of nanoscale Frankâ€“Kasper and quasicrystal mesophases in giant surfactants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14195-14200.	7.1	201
7	Star-Shaped Polycyclic Aromatics Based on Oligothiophene-Functionalized Truxene:Â Synthesis, Properties, and Facile Emissive Wavelength Tuning. Journal of the American Chemical Society, 2003, 125, 9944-9945.	13.7	197
8	Controlling Macromolecular Topology with Genetically Encoded SpyTagâ€“SpyCatcher Chemistry. Journal of the American Chemical Society, 2013, 135, 13988-13997.	13.7	188
9	Breaking Symmetry toward Nonspherical Janus Particles Based on Polyhedral Oligomeric Silsesquioxanes: Molecular Design, â€œClickâ€•Synthesis, and Hierarchical Structure. Journal of the American Chemical Society, 2011, 133, 10712-10715.	13.7	148
10	Giant Molecular Shape Amphiphiles Based on Polystyreneâ€“Hydrophilic [60]Fullerene Conjugates: Click Synthesis, Solution Self-Assembly, and Phase Behavior. Journal of the American Chemical Society, 2012, 134, 7780-7787.	13.7	138
11	Polyhedral oligomeric silsesquioxane meets â€œclickâ€•chemistry: Rational design and facile preparation of functional hybrid materials. Polymer, 2017, 125, 303-329.	3.8	123
12	â€œClickingâ€•Fullerene with Polymers:Â Synthesis of [60]Fullerene End-Capped Polystyrene. Macromolecules, 2008, 41, 515-517.	4.8	118
13	Two-Dimensional Nanocrystals of Molecular Janus Particles. Journal of the American Chemical Society, 2014, 136, 10691-10699.	13.7	117
14	Systematic Investigation of Sideâ€Chain Branching Position Effect on Electron Carrier Mobility in Conjugated Polymers. Advanced Functional Materials, 2014, 24, 6270-6278.	14.9	116
15	Extended Ï€-Conjugated Dendrimers Based on Truxene. Journal of the American Chemical Society, 2003, 125, 12430-12431.	13.7	111
16	Giant gemini surfactants based on polystyreneâ€“hydrophilic polyhedral oligomeric silsesquioxane shape amphiphiles: sequential â€œclickâ€•chemistry and solution self-assembly. Chemical Science, 2013, 4, 1345.	7.4	111
17	Synthesis of Shape Amphiphiles Based on Functional Polyhedral Oligomeric Silsesquioxane End-Capped Poly(<scp>l</scp>-Lactide) with Diverse Head Surface Chemistry. Macromolecules, 2011, 44, 2589-2596.	4.8	98
18	Programming Molecular Association and Viscoelastic Behavior in Protein Networks. Advanced Materials, 2016, 28, 4651-4657.	21.0	95

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19	Reversible hydrogels with tunable mechanical properties for optically controlling cell migration. Nano Research, 2018, 11, 5556-5565.	10.4	91
20	Sequential â€œClickâ€•Approach to Polyhedral Oligomeric Silsesquioxane-Based Shape Amphiphiles. Macromolecules, 2012, 45, 8126-8134.	4.8	85
21	Synthesis, Self-assembly, and Crystal Structure of a Shape-Persistent Polyhedral-Oligosilsesquioxane-Nanoparticle-Tethered Perylene Diimide. Journal of Physical Chemistry B, 2010, 114, 4802-4810.	2.6	83
22	Solution Crystallization Behavior of Crystallineâ^'Crystalline Diblock Copolymers of Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.8	83
23	A Porphyrinâ€“Fullerene Dyad with a Supramolecular â€œDoubleâ€Cableâ€•Structure as a Novel Electron Acceptor for Bulk Heterojunction Polymer Solar Cells. Advanced Materials, 2011, 23, 2951-2956.	21.0	83
24	Stretchable, Conductive, and Self-Healing Hydrogel with Super Metal Adhesion. Chemistry of Materials, 2018, 30, 4289-4297.	6.7	82
25	Manipulation of Self-Assembled Nanostructure Dimensions in Molecular Janus Particles. ACS Nano, 2016, 10, 6585-6596.	14.6	79
26	Synthesis of Shape Amphiphiles Based on POSS Tethered with Two Symmetric/Asymmetric Polymer Tails via Sequential â€œGrafting-fromâ€•and Thiolâ€“Ene â€œClickâ€•Chemistry. ACS Macro Letters, 2012, 1, 834-839.	4.8	78
27	Toward Controlled Hierarchical Heterogeneities in Giant Molecules with Precisely Arranged Nano Building Blocks. ACS Central Science, 2016, 2, 48-54.	11.3	76
28	Discrete Block Copolymers with Diverse Architectures: Resolving Complex Spherical Phases with One Monomer Resolution. ACS Central Science, 2020, 6, 1386-1393.	11.3	72
29	Giant surfactants based on molecular nanoparticles: Precise synthesis and solution selfâ€assembly. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1309-1325.	2.1	69
30	Pathway toward Large Two-Dimensional Hexagonally Patterned Colloidal Nanosheets in Solution. Journal of the American Chemical Society, 2015, 137, 1392-1395.	13.7	68
31	Hierarchical structure and polymorphism of a sphere-cubic shape amphiphile based on a polyhedral oligomeric silsesquioxaneâ€“[60]fullerene conjugate. Journal of Materials Chemistry, 2011, 21, 14240.	6.7	67
32	Cellular Synthesis of Protein Catenanes. Angewandte Chemie - International Edition, 2016, 55, 3442-3446.	13.8	66
33	Tuning â€œthiol-eneâ€•reactions toward controlled symmetry breaking in polyhedral oligomeric silsesquioxanes. Chemical Science, 2014, 5, 1046-1053.	7.4	61
34	Sequenceâ€Mandated, Distinct Assembly of Giant Molecules. Angewandte Chemie - International Edition, 2017, 56, 15014-15019.	13.8	57
35	From crystals to columnar liquid crystal phases: molecular design, synthesis and phase structure characterization of a series of novel phenazines potentially useful in photovoltaic applications. Soft Matter, 2010, 6, 100-112.	2.7	55
36	Exploring shape amphiphiles beyond giant surfactants: molecular design and click synthesis. Polymer Chemistry, 2013, 4, 1056-1067.	3.9	54

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37	Sequential Triple â€œClickâ€•Approach toward Polyhedral Oligomeric Silsesquioxane-Based Multiheaded and Multitailed Giant Surfactants. ACS Macro Letters, 2013, 2, 645-650.	4.8	52
38	Chemical Topology and Complexity of Protein Architectures. Trends in Biochemical Sciences, 2018, 43, 806-817.	7.5	52
39	Giant molecules: where chemistry, physics, and bio-science meet. Science China Chemistry, 2017, 60, 338-352.	8.2	50
40	Topology Engineering of Proteins in Vivo Using Genetically Encoded, Mechanically Interlocking SpyX Modules for Enhanced Stability. ACS Central Science, 2017, 3, 473-481.	11.3	50
41	Protein Catenation Enhances Both the Stability and Activity of Folded Structural Domains. Angewandte Chemie - International Edition, 2017, 56, 13985-13989.	13.8	48
42	Fluorinated polyhedral oligomeric silsesquioxane-based shape amphiphiles: molecular design, topological variation, and facile synthesis. Polymer Chemistry, 2012, 3, 2112.	3.9	46
43	Asymmetric Giant â€œBolaform-likeâ€•Surfactants: Precise Synthesis, Phase Diagram, and Crystallization-Induced Phase Separation. Macromolecules, 2014, 47, 4622-4633.	4.8	46
44	Self-Assembled Structures of Giant Surfactants Exhibit a Remarkable Sensitivity on Chemical Compositions and Topologies for Tailoring Sub-10 nm Nanostructures. Macromolecules, 2017, 50, 303-314.	4.8	46
45	Extremely low trap-state energy level perovskite solar cells passivated using NH2-POSS with improved efficiency and stability. Journal of Materials Chemistry A, 2018, 6, 6806-6814.	10.3	45
46	Supramolecular Structure of Î²-Cyclodextrin and Poly(ethylene oxide)-block-poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.8	44
47	Synthesis of fullerene-containing poly(ethylene oxide)-block-polystyrene as model shape amphiphiles with variable composition, diverse architecture, and high fullerene functionality. Polymer Chemistry, 2012, 3, 124-134.	3.9	44
48	Molecularâ€Curvatureâ€•Induced Spontaneous Formation of Curved and Concentric Lamellae through Nucleation. Angewandte Chemie - International Edition, 2016, 55, 2459-2463.	13.8	44
49	Star-shaped oligo(p-phenylene)-functionalized truxenes as blue-light-emitting materials: synthesis and the structureâ€“property relationship. Tetrahedron, 2007, 63, 2907-2914.	1.9	43
50	A Supramolecular â€œDoubleâ€Cableâ€•Structure with a 129₄₄ Helix in a Columnar Porphyrinâ€C₆₀ Dyad and its Application in Polymer Solar Cells. Advanced Energy Materials, 2012, 2, 1375-1382.	19.5	43
51	Engineering Ï€â€“Ï€ interactions for enhanced photoluminescent properties: unique discrete dimeric packing of perylene diimides. RSC Advances, 2017, 7, 6530-6537.	3.6	42
52	Cascading One-Pot Synthesis of Single-Tailed and Asymmetric Multitailed Giant Surfactants. ACS Macro Letters, 2013, 2, 1026-1032.	4.8	41
53	Giant is different: Size effects and the nature of macromolecules. Giant, 2020, 1, 100011.	5.1	41
54	Anionic Synthesis of Mono- and Heterotelechelic Polystyrenes via Thiolâ€“Ene â€œClickâ€•Chemistry and Hydrosilylation. Macromolecules, 2011, 44, 3328-3337.	4.8	40

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55	Unleashing chemical power from protein sequence space toward genetically encoded â€œclickâ€• chemistry. Chinese Chemical Letters, 2017, 28, 2078-2084.	9.0	40
56	Selfâ€Assembly of Fullereneâ€Based Janus Particles in Solution: Effects of Molecular Architecture and Solvent. Chemistry - A European Journal, 2014, 20, 11630-11635.	3.3	39
57	Stochastic/Controlled Symmetry Breaking of the T₈â€POSS Cages toward Multifunctional Regioisomeric Nanobuilding Blocks. Chemistry - A European Journal, 2015, 21, 15246-15255.	3.3	39
58	Toward rational and modular molecular design in soft matter engineering. Chinese Journal of Polymer Science (English Edition), 2015, 33, 797-814.	3.8	39
59	Precision Synthesis and Distinct Assembly of Double-Chain Giant Surfactant Regioisomers. Macromolecules, 2017, 50, 3943-3953.	4.8	39
60	Synthesis of In-Chain-Functionalized Polystyrene-block-poly(dimethylsiloxane) Diblock Copolymers by Anionic Polymerization and Hydrosilylation Using Dimethyl-[4-(1-phenylvinyl)phenyl]silane. Macromolecules, 2009, 42, 7258-7262.	4.8	36
61	Macromolecular structure evolution toward giant molecules of complex structure: tandem synthesis of asymmetric giant gemini surfactants. Polymer Chemistry, 2014, 5, 3697.	3.9	36
62	An Intrinsically Disordered Peptide-Peptide Stapler for Highly Efficient Protein Ligation Both in Vivo and in Vitro. Journal of the American Chemical Society, 2018, 140, 17474-17483.	13.7	36
63	â€œClickingâ€•fluorinated polyhedral oligomeric silsesquioxane onto polymers: a modular approach toward shape amphiphiles with fluorous molecular clusters. Polymer Chemistry, 2014, 5, 3588.	3.9	35
64	Chain Overcrowding Induced Phase Separation and Hierarchical Structure Formation in Fluorinated Polyhedral Oligomeric Silsesquioxane (FPOSS)-Based Giant Surfactants. Macromolecules, 2015, 48, 7172-7179.	4.8	35
65	Janus POSS Based on Mixed [2:6] Octakisâ€Adduct Regioisomers. Chemistry - A European Journal, 2016, 22, 6397-6403.	3.3	35
66	Exactly Defined Half-Stemmed Polymer Lamellar Crystals with Precisely Controlled Defectsâ€™ Locations. Journal of Physical Chemistry Letters, 2013, 4, 2356-2360.	4.6	34
67	Topology: a unique dimension in protein engineering. Science China Chemistry, 2018, 61, 3-16.	8.2	34
68	Janus [3:5] Polystyreneâ€“Polydimethylsiloxane Star Polymers with a Cubic Core. Macromolecules, 2018, 51, 419-427.	4.8	34
69	Thiol-Michael â€œclickâ€•chemistry: another efficient tool for head functionalization of giant surfactants. Polymer Chemistry, 2014, 5, 6151-6162.	3.9	33
70	Tuning SpyTagâ€“SpyCatcher mutant pairs toward orthogonal reactivity encryption. Chemical Science, 2017, 8, 6577-6582.	7.4	31
71	Active Template Synthesis of Protein Heterocatenanes. Angewandte Chemie - International Edition, 2019, 58, 11097-11104.	13.8	31
72	Scrolled Polymer Single Crystals Driven by Unbalanced Surface Stresses: Rational Design and Experimental Evidence. Macromolecules, 2011, 44, 7758-7766.	4.8	30

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73	Sequential â€œClickâ€•Synthesis of â€œNano-Diamond-Ring-likeâ€•Giant Surfactants Based on Functionalized Hydrophilic POSS/C₆₀ Tethered with Cyclic Polystyrenes. Macromolecules, 2014, 47, 4160-4168.	4.8	30
74	Hydrogen-Bonding-Induced Nanophase Separation in Giant Surfactants Consisting of Hydrophilic [60]Fullerene Tethered to Block Copolymers at Different Locations. Macromolecules, 2015, 48, 5496-5503.	4.8	29
75	From protein domains to molecular nanoparticles: what can giant molecules learn from proteins?. Materials Horizons, 2017, 4, 117-132.	12.2	29
76	Discrete Giant Polymeric Chains Based on Nanosized Monomers. Jacs Au, 2021, 1, 79-86.	7.9	29
77	T₁₀ Polyhedral Oligomeric Silsesquioxane-Based Shape Amphiphiles with Diverse Head Functionalities via â€œClickâ€•Chemistry. ACS Macro Letters, 2014, 3, 900-905.	4.8	28
78	Genetically Programming Stress-Relaxation Behavior in Entirely Protein-Based Molecular Networks. ACS Macro Letters, 2018, 7, 1468-1474.	4.8	28
79	Supercharging SpyCatcher toward an intrinsically disordered protein with stimuli-responsive chemical reactivity. Chemical Communications, 2017, 53, 8830-8833.	4.1	27
80	A supramolecular structure with an alternating arrangement of donors and acceptors constructed by a trans-di-C60-substituted Zn porphyrin derivative in the solid state. Soft Matter, 2011, 7, 6135.	2.7	26
81	Macromolecular Isomerism in Giant Molecules. Chemistry - A European Journal, 2020, 26, 2985-2992.	3.3	26
82	Rapid and Efficient Anionic Synthesis of Well-Defined Eight-Arm Star Polymers Using OctavinylPOSS and Poly(styryl)lithium. Macromolecules, 2012, 45, 8571-8579.	4.8	24
83	Polystyrene-block-poly(ethylene oxide) Reverse Micelles and Their Temperature-Driven Morphological Transitions in Organic Solvents. Macromolecules, 2012, 45, 3634-3638.	4.8	24
84	Dynamically Tunable, Macroscopic Molecular Networks Enabled by Cellular Synthesis of 4-Arm Star-like Proteins. Matter, 2020, 2, 233-249.	10.0	24
85	Lasso Proteins: Modular Design, Cellular Synthesis, and Topological Transformation. Angewandte Chemie - International Edition, 2020, 59, 19153-19161.	13.8	24
86	Macromolecular Topology Engineering. Trends in Chemistry, 2021, 3, 402-415.	8.5	24
87	Responsive complex capsules prepared with polymerization of dopamine, hydrogen-bonding assembly, and catechol dismutation. Journal of Colloid and Interface Science, 2018, 513, 470-479.	9.4	23
88	Influence of solution-state aggregation on conjugated polymer crystallization in thin films and microwire crystals. Giant, 2021, 7, 100064.	5.1	23
89	Conductive Water/Alcohol-Soluble Neutral Fullerene Derivative as an Interfacial Layer for Inverted Polymer Solar Cells with High Efficiency. ACS Applied Materials & Interfaces, 2014, 6, 14189-14195.	8.0	22
90	Higher Order Protein Catenation Leads to an Artificial Antibody with Enhanced Affinity and In Vivo Stability. Journal of the American Chemical Society, 2021, 143, 18029-18040.	13.7	22

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91	Helical Crystal Assemblies in Nonracemic Chiral Liquid Crystalline Polymers: Where Chemistry and Physics Meet. Industrial & Engineering Chemistry Research, 2010, 49, 11936-11947.	3.7	21
92	Mixed [2â€‰:â€‰6] hetero-arm star polymers based on Janus POSS with precisely defined arm distribution. Polymer Chemistry, 2016, 7, 2381-2388.	3.9	21
93	Genetically Encoded Click Chemistry^{â€}. Chinese Journal of Chemistry, 2020, 38, 894-896.	4.9	21
94	Improved synthesis of fullerynes by Fisher esterification for modular and efficient construction of fullerene polymers with high fullerene functionality. Polymer, 2011, 52, 4221-4226.	3.8	20
95	Anionic synthesis of a â€œclickableâ€•middle-chain azidefunctionalized polystyrene and its application in shape amphiphiles. Chinese Journal of Polymer Science (English Edition), 2013, 31, 71-82.	3.8	20
96	Influence of Regio-Configuration on the Phase Diagrams of Double-Chain Giant Surfactants. Macromolecules, 2018, 51, 1110-1119.	4.8	20
97	Precision synthesis of macrocyclic giant surfactants tethered with two different polyhedral oligomeric silsesquioxanes at distinct ring locations via four consecutive â€œclickâ€•reactions. Polymer Chemistry, 2015, 6, 827-837.	3.9	19
98	Symmetry-Dictated Mesophase Formation and Phase Diagram of Perfluorinated Polyhedral Oligomeric Silsesquioxanes. Macromolecules, 2019, 52, 2361-2370.	4.8	19
99	A Versatile and Robust Approach to Stimuli-Responsive Protein Multilayers with Biologically Enabled Unique Functions. Biomacromolecules, 2018, 19, 1065-1073.	5.4	18
100	Encrypting Chemical Reactivity in Protein Sequences toward <scp>Informationâ€Coded</scp> Reactions^{â€}. Chinese Journal of Chemistry, 2020, 38, 864-878.	4.9	18
101	Facile Synthesis and Photophysical Properties of Sphereâ€“Square Shape Amphiphiles Based on Porphyrinâ€“[60]Fullerene Conjugates. Chemistry - an Asian Journal, 2013, 8, 947-955.	3.3	16
102	Crystal structure and molecular packing of an asymmetric giant amphiphile constructed by one C60 and two POSSs. Polymer, 2014, 55, 4514-4520.	3.8	16
103	Special topic on soft matter science and technology. Science China Chemistry, 2018, 61, 1-2.	8.2	16
104	Polymer solar cells with an inverted device configuration using polyhedral oligomeric silsesquioxane-[60]fullerene dyad as a novel electron acceptor. Science China Chemistry, 2012, 55, 749-754.	8.2	15
105	How does the interplay between bromine substitution at bay area and bulky substituents at imide position influence the photophysical properties of perylene diimides?. RSC Advances, 2017, 7, 16155-16162.	3.6	15
106	Protein Catenation Enhances Both the Stability and Activity of Folded Structural Domains. Angewandte Chemie, 2017, 129, 14173-14177.	2.0	15
107	Symmetry-guided, divergent assembly of regio-isomeric molecular Janus particles. Chemical Communications, 2019, 55, 6425-6428.	4.1	15
108	Evidence of formation of site-selective inclusion complexation between Î²-cyclodextrin and poly(ethylene oxide)-block-poly(propylene oxide)- block-poly(ethylene oxide) copolymers. Journal of Chemical Physics, 2010, 132, 204903.	3.0	14

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109	SpyCatcher-N^{TEV}: A Circularly Permuted, Disordered SpyCatcher Variant for Less Trace Ligation. Bioconjugate Chemistry, 2018, 29, 1622-1629.	3.6	14
110	Cellular Synthesis and Xâ€ray Crystal Structure of a Designed Protein Heterocatenane. Angewandte Chemie - International Edition, 2020, 59, 16122-16127.	13.8	14
111	Efficient Moistureâ€Resistant Perovskite Solar Cell With Nanostructure Featuring 3D Amine Motif. Solar Rrl, 2018, 2, 1800069.	5.8	13
112	Thickness control of 2D nanosheets assembled from precise side-chain giant molecules. Chemical Science, 2021, 12, 5216-5223.	7.4	13
113	Effects of molecular geometry on the self-assembly of giant polymerâ€“dendron conjugates in condensed state. Soft Matter, 2014, 10, 3200.	2.7	12
114	Cellular Synthesis of Protein Catenanes. Angewandte Chemie, 2016, 128, 3503-3507.	2.0	12
115	Regioisomeric Tandem Triblock Shape Amphiphiles Based on Polyhedral Oligomeric Silsesquioxanes. Chemistry - A European Journal, 2018, 24, 12389-12396.	3.3	12
116	Controlling SpyTag/SpyCatcher Reactivity via Redox-Gated Conformational Restriction. ACS Macro Letters, 2018, 7, 1388-1393.	4.8	11
117	Langmuir-Blodgett Films of C60-end-capped Poly(ethylene oxide). Chinese Journal of Polymer Science (English Edition), 2019, 37, 604-608.	3.8	11
118	Facile synthesis and hierarchical assembly of polystyrene- block - poly (perfluorooctylethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	3.8	10
119	SpyTagâ€“SpyCatcher Chemistry for Protein Bioconjugation In Vitro and Protein Topology Engineering In Vivo. Methods in Molecular Biology, 2019, 2033, 287-300.	0.9	10
120	Genetically engineered materials: Proteins and beyond. Science China Chemistry, 2022, 65, 486-496.	8.2	10
121	Cellular synthesis of protein pretzelanes. Giant, 2022, 10, 100092.	5.1	10
122	Sequenceâ€Mandated, Distinct Assembly of Giant Molecules. Angewandte Chemie, 2017, 129, 15210-15215.	2.0	9
123	B₁₂-Dependent Protein Oligomerization Facilitates Layer-by-Layer Growth of Photo/Thermal Responsive Nanofilms. ACS Macro Letters, 2018, 7, 514-518.	4.8	9
124	The pursuit of precision in macromolecular science: Concepts, trends, and perspectives. Polymer, 2018, 155, 235-247.	3.8	9
125	Synthesis, Crystal Structures, and Optical/Electronic Properties of Sphereâ€“Rod Shape Amphiphiles Based on a [60]Fullereneï£¿Oligofluorene Conjugate. Chemistry - an Asian Journal, 2013, 8, 1223-1231.	3.3	8
126	Active Template Synthesis of Protein Heterocatenanes. Angewandte Chemie, 2019, 131, 11214-11221.	2.0	8

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127	Native conjugation between proteins and [60]fullerene derivatives using SpyTag as a reactive handle. Chinese Chemical Letters, 2021, 32, 353-356.	9.0	8
128	Preparation and properties of polystyrene nanocomposites containing dumbbell-shaped molecular nanoparticles based on polyhedral oligomeric silsesquioxane and [60]fullerene. RSC Advances, 2015, 5, 70051-70058.	3.6	7
129	Synergistic Enhancement of Enzyme Performance and Resilience via Orthogonal Peptideâ€“Protein Chemistry Enabled Multilayer Construction. Biomacromolecules, 2018, 19, 2700-2707.	5.4	7
130	Harnessing proteins for engineered living materials. Current Opinion in Solid State and Materials Science, 2021, 25, 100896.	11.5	7
131	Phase Behaviors of Multiâ€tailed B 2 AB 2 â€Type Regioâ€isomeric Giant Surfactants at the Columnarâ€Spherical Boundary. Chinese Journal of Chemistry, 2021, 39, 3261.	4.9	7
132	Peptide/protein-based macrocycles: from biological synthesis to biomedical applications. RSC Chemical Biology, 2022, 3, 815-829.	4.1	6
133	Design, synthesis, and optical/electronic properties of a series of sphere-rod shape amphiphiles based on the C60-oligofluorene conjugates. Chinese Journal of Polymer Science (English Edition), 2017, 35, 503-514.	3.8	5
134	Phase Behaviors of Giant Surfactants with Different Numbers of Fluorinated Polyhedral Oligomeric Silsesquioxane â€œHeadsâ€•and One Poly(ethylene oxide) â€œTailâ€•at the Airâ€“Water Interface. Langmuir, 2021, 37, 11084-11092.	3.5	5
135	What are the differences of polymer surface relaxation from the bulk?. Chinese Journal of Polymer Science (English Edition), 2011, 29, 81-86.	3.8	4
136	Supramolecular Crystals and Crystallization with Nanosized Motifs of Giant Molecules. Advances in Polymer Science, 2016, , 183-213.	0.8	4
137	Synthesis, Self-Assembly and Characterization of Tandem Triblock BPOSS-PDI-X Shape Amphiphiles. Molecules, 2019, 24, 2114.	3.8	4
138	Engineering SpyCatcher Variants with Proteolytic Sites for Lessâ€Trace Ligation. Chinese Journal of Chemistry, 2019, 37, 113-118.	4.9	4
139	Protein Conjugation via SpyStaplerâ€Mediated SpyTag/BDTag Coupling. Current Protocols, 2021, 1, e99.	2.9	4
140	Crystallization of Precise Side-Chain Giant Molecules with Tunable Sequences and Functionalities. Macromolecules, 2021, 54, 11093-11100.	4.8	3
141	Crowding-Induced Unconventional Phase Behaviors in Dendritic Rodlike Molecules via Side-Chain Engineering. ACS Macro Letters, 2021, 10, 844-850.	4.8	2
142	Polymeric Biomaterials: A History of Use in Musculoskeletal Regenerative and Reconstructive Medicine. ACS Symposium Series, 2011, , 165-182.	0.5	1
143	NMR Spectroscopic Studies Reveal the Critical Role of the Isopeptide Bond in Forming the Otherwise Unstable SpyTagâ€“SpyCatcher Mutant Complexes. Biochemistry, 2020, 59, 2226-2236.	2.5	1
144	Phase Behavior and Phase Diagram of Polystyrene-b-Poly(Perfluorooctylethyl Acrylates). Polymers, 2020, 12, 819.	4.5	1

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145	ABCâ€type Bolaâ€form Giant Surfactants: Synthesis and Selfâ€assembly. Macromolecular Rapid Communications, 0, , 2200319.	3.9	1
146	Conjugated Polymers: Systematic Investigation of Sideâ€Chain Branching Position Effect on Electron Carrier Mobility in Conjugated Polymers (Adv. Funct. Mater. 40/2014). Advanced Functional Materials, 2014, 24, 6404-6404.	14.9	0
147	Cellular Synthesis and Xâ€ray Crystal Structure of a Designed Protein Heterocatenane. Angewandte Chemie, 2020, 132, 16256-16261.	2.0	0
148	Frontispiece: Macromolecular Isomerism in Giant Molecules. Chemistry - A European Journal, 2020, 26, .	3.3	0
149	Lasso Proteins: Modular Design, Cellular Synthesis, and Topological Transformation. Angewandte Chemie, 2020, 132, 19315-19323.	2.0	0