

Stephen Z D Cheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Expanding quasiperiodicity in soft matter: Supramolecular decagonal quasicrystals by binary giant molecule blends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	24
2	A robust platform to construct molecular patchy particles with a pentiptycene skeleton toward controlled mesoscale structures. <i>Polymer Chemistry</i> , 2022, 13, 2108-2114.	1.9	3
3	Soft Alloys Constructed with Distinct Mesoatoms via Self-Sorting Assembly of Giant Shape Amphiphiles. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	9
4	Unimolecular Nanoparticles toward More Precise Regulations of Self-Assembled Superlattices in Soft Matter. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
5	Molecular Geometry-Directed Self-Recognition in the Self-Assembly of Giant Amphiphiles. <i>Macromolecular Rapid Communications</i> , 2022, , 2200216.	2.0	1
6	Geometry-Directed Self-Assembly of Polymeric Molecular Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 2052-2057.	1.6	1
7	Unexpected Elasticity in Assemblies of Glassy Supra-Nanoparticle Clusters. <i>Angewandte Chemie</i> , 2021, 133, 4944-4950.	1.6	7
8	Unexpected Elasticity in Assemblies of Glassy Supra-Nanoparticle Clusters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4894-4900.	7.2	34
9	Geometry-Directed Self-Assembly of Polymeric Molecular Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2024-2029.	7.2	12
10	Screw dislocation-induced pyramidal crystallization of dendron-like macromolecules featuring asymmetric geometry. <i>Chemical Science</i> , 2021, 12, 12130-12137.	3.7	4
11	Constituent Isomerism-Induced Quasicrystal and Frank-Kasper $\bar{1}f$ Superlattices Based on Nanosized Shape Amphiphiles. <i>CCS Chemistry</i> , 2021, 3, 1434-1444.	4.6	26
12	Polymer Topology Reinforced Synergistic Interactions among Nanoscale Molecular Clusters for Impact Resistance with Facile Processability and Recoverability. <i>Angewandte Chemie</i> , 2021, 133, 22386-22392.	1.6	1
13	Ordered Mesoporous Silica Pyrolyzed from Single-Source Self-Assembled Organic-Inorganic Giant Surfactants. <i>Journal of the American Chemical Society</i> , 2021, 143, 12935-12942.	6.6	28
14	Polymer Topology Reinforced Synergistic Interactions among Nanoscale Molecular Clusters for Impact Resistance with Facile Processability and Recoverability. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22212-22218.	7.2	30
15	Rational Route Toward the Frank-Kasper Z Phase: Effect of Precise Geometrical Tuning on the Supramolecular Assembly of Giant Shape Amphiphiles. <i>Macromolecules</i> , 2021, 54, 7777-7785.	2.2	12
16	Superlattice Engineering with Chemically Precise Molecular Building Blocks. <i>Journal of the American Chemical Society</i> , 2021, 143, 21613-21621.	6.6	23
17	Controlling the Periodically Ordered Nanostructures in Ceramics: A Macromolecule-Guided Strategy. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900534.	2.0	5
18	Spherical Supramolecular Structures Constructed via Chemically Symmetric Perylene Bisimides: Beyond Columnar Assembly. <i>Angewandte Chemie</i> , 2020, 132, 18722-18730.	1.6	9

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19	Hierarchical Structure with an Unusual Honeycomb Fullerene Scaffold by a Fullerene- π -Triphenylene Shape Amphiphile. <i>Macromolecules</i> , 2020, 53, 6056-6062.	2.2	5
20	Complex self-assembled lattices from simple polymer blends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19618-19620.	3.3	11
21	Scrolled/Cylindrical Solution-Grown Single Crystals in Form III of Isotactic Poly(1-butene). <i>Macromolecules</i> , 2020, 53, 7570-7579.	2.2	4
22	Frustrated Layered Self-Assembly Induced Superlattice from Two-Dimensional Nanosheets. <i>Nano Letters</i> , 2020, 20, 8647-8653.	4.5	15
23	Supramolecular Self-Assembly of Perylene Bisimide-Based Rigid Giant Tetrahedra. <i>ACS Nano</i> , 2020, 14, 8266-8275.	7.3	19
24	Spherical Supramolecular Structures Constructed via Chemically Symmetric Perylene Bisimides: Beyond Columnar Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18563-18571.	7.2	28
25	Magnifying the Structural Components of Biomembranes: A Prototype for the Study of the Self-Assembly of Giant Lipids. <i>Angewandte Chemie</i> , 2020, 132, 5264-5272.	1.6	6
26	Modularly Constructed Polyhedral Oligomeric Silsesquioxane-Based Giant Molecules for Unconventional Nanostructure Fabrication. <i>ACS Applied Nano Materials</i> , 2020, 3, 2952-2958.	2.4	15
27	Magnifying the Structural Components of Biomembranes: A Prototype for the Study of the Self-Assembly of Giant Lipids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5226-5234.	7.2	30
28	Discovery of Structural Complexity through Self-Assembly of Molecules Containing Rodlike Components. <i>Chemistry - A European Journal</i> , 2020, 26, 6741-6756.	1.7	17
29	Continuous Curvature Change into Controllable and Responsive Onion-like Vesicles by Rigid Sphere- π -Rod Amphiphiles. <i>ACS Nano</i> , 2020, 14, 1811-1822.	7.3	20
30	Engineering self-assembly of giant molecules in the condensed state based on molecular nanoparticles. <i>Soft Matter</i> , 2019, 15, 7108-7116.	1.2	11
31	Transition Kinetics of Self-Assembled Supramolecular Dodecagonal Quasicrystal and Frank- π -Kasper $\bar{1}f$ Phases in AB _n Dendron-Like Giant Molecules. <i>ACS Macro Letters</i> , 2019, 8, 875-881.	2.3	39
32	Identification of a Frank- π -Kasper Z phase from shape amphiphile self-assembly. <i>Nature Chemistry</i> , 2019, 11, 899-905.	6.6	114
33	Sequence isomeric giant surfactants with distinct self-assembly behaviors in solution. <i>Chemical Communications</i> , 2019, 55, 636-639.	2.2	18
34	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11879-11885.	7.2	28
35	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. <i>Angewandte Chemie</i> , 2019, 131, 12005-12011.	1.6	10
36	Cooperative Soft-Cluster Glass in Giant Molecular Clusters. <i>Macromolecules</i> , 2019, 52, 4341-4348.	2.2	29

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37	Adding Symmetry: Cylindrically Confined Crystallization of Nylon-6. <i>Macromolecules</i> , 2019, 52, 3298-3305.	2.2	11
38	Highly Asymmetric Phase Behaviors of Polyhedral Oligomeric Silsesquioxane-Based Multiheaded Giant Surfactants. <i>ACS Nano</i> , 2018, 12, 1868-1877.	7.3	54
39	Frank-Kasper and related quasicrystal spherical phases in macromolecules. <i>Science China Chemistry</i> , 2018, 61, 33-45.	4.2	39
40	The Deconstruction of Supramolecular Structures Based on Modular Precise Macromolecules. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700390.	1.1	6
41	A few rediscovered and challenging topics in polymer crystals and crystallization. <i>Polymer Crystallization</i> , 2018, 1, e10053.	0.5	12
42	Multilevel Manipulation of Supramolecular Structures of Giant Molecules via Macromolecular Composition and Sequence. <i>ACS Macro Letters</i> , 2018, 7, 635-640.	2.3	31
43	Hierarchical self-assembly of zwitterionic dendrimer- <i>anionic surfactant complexes into multiple stimuli-responsive dynamic nanotubes.</i> <i>Nanoscale</i> , 2018, 10, 1411-1419.	2.8	9
44	Amphiphilic [tpy-MII-tpy] metalotriangles: synthesis, characterisation and hierarchical ordering. <i>Supramolecular Chemistry</i> , 2017, 29, 69-79.	1.5	8
45	Crystalline Organic Pigment-Based Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21891-21899.	4.0	55
46	Polymers Based on Benzodipyrrolidone and Naphthodipyrrolidone with Latent Hydrogen-Bonding on the Main Chain. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600617.	1.1	30
47	A Noncrystallization Approach toward Uniform Thylakoids-like 2D <i>“Nano-coins”</i> and Their Grana-like 3D Suprastructures. <i>Journal of the American Chemical Society</i> , 2017, 139, 5883-5889.	6.6	52
48	From protein domains to molecular nanoparticles: what can giant molecules learn from proteins?. <i>Materials Horizons</i> , 2017, 4, 117-132.	6.4	29
49	Self-Assembled Structures of Giant Surfactants Exhibit a Remarkable Sensitivity on Chemical Compositions and Topologies for Tailoring Sub-10 nm Nanostructures. <i>Macromolecules</i> , 2017, 50, 303-314.	2.2	46
50	Sequence-Mandated, Distinct Assembly of Giant Molecules. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15014-15019.	7.2	57
51	Sequence-Mandated, Distinct Assembly of Giant Molecules. <i>Angewandte Chemie</i> , 2017, 129, 15210-15215.	1.6	9
52	<i><i>50th Anniversary Perspective</i></i> : Polymer Crystals and Crystallization: Personal Journeys in a Challenging Research Field. <i>Macromolecules</i> , 2017, 50, 5995-6025.	2.2	155
53	Dynamics of Shape-Persistent Giant Molecules: Zimm-like Melt, Elastic Plateau, and Cooperative Glass-like. <i>Macromolecules</i> , 2017, 50, 6637-6646.	2.2	38
54	Thickness-Dependent Order-to-Order Transitions of Bolaform-like Giant Surfactant in Thin Films. <i>Macromolecules</i> , 2017, 50, 7282-7290.	2.2	19

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55	Hierarchical Self-Organization of AB _n Dendron-like Molecules into a Supramolecular Lattice Sequence. ACS Central Science, 2017, 3, 860-867.	5.3	69
56	Topologically Directed Assemblies of Semiconducting Sphere-Rod Conjugates. Journal of the American Chemical Society, 2017, 139, 18616-18622.	6.6	51
57	Rationally Controlling the Self-Assembly Behavior of Triarmed POSS-Organic Hybrid Macromolecules: From Giant Surfactants to Macroions. Macromolecules, 2017, 50, 5042-5050.	2.2	34
58	Supramolecular Crystals and Crystallization with Nanosized Motifs of Giant Molecules. Advances in Polymer Science, 2016, , 183-213.	0.4	4
59	Geometry induced sequence of nanoscale Frank-Kasper and quasicrystal mesophases in giant surfactants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14195-14200.	3.3	201
60	Molecular-Curvature-Induced Spontaneous Formation of Curved and Concentric Lamellae through Nucleation. Angewandte Chemie, 2016, 128, 2505-2509.	1.6	14
61	Molecular-Curvature-Induced Spontaneous Formation of Curved and Concentric Lamellae through Nucleation. Angewandte Chemie - International Edition, 2016, 55, 2459-2463.	7.2	44
62	Manipulation of Self-Assembled Nanostructure Dimensions in Molecular Janus Particles. ACS Nano, 2016, 10, 6585-6596.	7.3	79
63	Rational controlled morphological transitions in the self-assembled multi-headed giant surfactants in solution. Chemical Communications, 2016, 52, 8687-8690.	2.2	34
64	Toward Controlled Hierarchical Heterogeneities in Giant Molecules with Precisely Arranged Nano Building Blocks. ACS Central Science, 2016, 2, 48-54.	5.3	76
65	Tunable Affinity and Molecular Architecture Lead to Diverse Self-Assembled Supramolecular Structures in Thin Films. ACS Nano, 2016, 10, 919-929.	7.3	47
66	Precise Molecular Fission and Fusion: Quantitative Self-Assembly and Chemistry of a Metallo-Cuboctahedron. Angewandte Chemie - International Edition, 2015, 54, 9224-9229.	7.2	93
67	Charge-Regulated Spontaneous, Reversible Self-Assembly of the Carboxylic Acid-Functionalized Hydrophilic Fullerene Macroanions in Dilute Solution. Macromolecules, 2015, 48, 725-731.	2.2	29
68	Pathway toward Large Two-Dimensional Hexagonally Patterned Colloidal Nanosheets in Solution. Journal of the American Chemical Society, 2015, 137, 1392-1395.	6.6	68
69	Supramolecular Elastomers: Self-Assembling Star-Blocks of Soft Polyisobutylene and Hard Oligo(^l 2-alanine) Segments. Macromolecules, 2015, 48, 1077-1086.	2.2	23
70	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.	2.2	29
71	Toward rational and modular molecular design in soft matter engineering. Chinese Journal of Polymer Science (English Edition), 2015, 33, 797-814.	2.0	39
72	Selective assemblies of giant tetrahedra via precisely controlled positional interactions. Science, 2015, 348, 424-428.	6.0	338

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73	Chain Overcrowding Induced Phase Separation and Hierarchical Structure Formation in Fluorinated Polyhedral Oligomeric Silsesquioxane (FPOSS)-Based Giant Surfactants. <i>Macromolecules</i> , 2015, 48, 7172-7179.	2.2	35
74	High Performance Planar Heterojunction Perovskite Solar Cells with Fullerene Derivatives as the Electron Transport Layer. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1153-1159.	4.0	99
75	Precision synthesis of macrocyclic giant surfactants tethered with two different polyhedral oligomeric silsesquioxanes at distinct ring locations via four consecutive "click" reactions. <i>Polymer Chemistry</i> , 2015, 6, 827-837.	1.9	19
76	Patternable Conjugated Polymers with Latent Hydrogen-Bonding on the Main Chain. <i>Macromolecules</i> , 2014, 47, 8479-8486.	2.2	41
77	Towards Molecular Construction Platforms: Synthesis of a Metallotricyclic Spirane Based on Bis(2,2',6',2''-terpyridine)Ru(II) Connectivity. <i>Chemistry - A European Journal</i> , 2014, 20, 11291-11294.	1.7	26
78	Stimuli-Responsive Nanocomposite: Potential Injectable Embolization Agent. <i>Macromolecular Rapid Communications</i> , 2014, 35, 579-584.	2.0	24
79	Giant surfactants based on molecular nanoparticles: Precise synthesis and solution self-assembly. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1309-1325.	2.4	69
80	Molecular Nanoparticles Are Unique Elements for Macromolecular Science: From "Nanoatoms" to Giant Molecules. <i>Macromolecules</i> , 2014, 47, 1221-1239.	2.2	308
81	"Clicking" fluorinated polyhedral oligomeric silsesquioxane onto polymers: a modular approach toward shape amphiphiles with fluorous molecular clusters. <i>Polymer Chemistry</i> , 2014, 5, 3588.	1.9	35
82	Effects of molecular geometry on the self-assembly of giant polymer "dendron" conjugates in condensed state. <i>Soft Matter</i> , 2014, 10, 3200.	1.2	12
83	Asymmetric Giant "Bolaform-like" Surfactants: Precise Synthesis, Phase Diagram, and Crystallization-Induced Phase Separation. <i>Macromolecules</i> , 2014, 47, 4622-4633.	2.2	46
84	One Ligand in Dual Roles: Self-Assembly of a Bis(Rhomboidal) Shaped, Three-Dimensional Molecular Wheel. <i>Chemistry - A European Journal</i> , 2014, 20, 13094-13098.	1.7	21
85	Tuning "thiol-ene" reactions toward controlled symmetry breaking in polyhedral oligomeric silsesquioxanes. <i>Chemical Science</i> , 2014, 5, 1046-1053.	3.7	61
86	Self-Assembly of Fullerene-Based Janus Particles in Solution: Effects of Molecular Architecture and Solvent. <i>Chemistry - A European Journal</i> , 2014, 20, 11630-11635.	1.7	39
87	Two-Dimensional Nanocrystals of Molecular Janus Particles. <i>Journal of the American Chemical Society</i> , 2014, 136, 10691-10699.	6.6	117
88	Macromolecular structure evolution toward giant molecules of complex structure: tandem synthesis of asymmetric giant gemini surfactants. <i>Polymer Chemistry</i> , 2014, 5, 3697.	1.9	36
89	Sequential "Click" Synthesis of "Nano-Diamond-Ring-like" Giant Surfactants Based on Functionalized Hydrophilic POSS/C ₆₀ Tethered with Cyclic Polystyrenes. <i>Macromolecules</i> , 2014, 47, 4160-4168.	2.2	30
90	Thiol-Michael "click" chemistry: another efficient tool for head functionalization of giant surfactants. <i>Polymer Chemistry</i> , 2014, 5, 6151-6162.	1.9	33

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91	T ₁₀ Polyhedral Oligomeric Silsesquioxane-Based Shape Amphiphiles with Diverse Head Functionalities via "Click" Chemistry. ACS Macro Letters, 2014, 3, 900-905.	2.3	28
92	Construction of a Highly Symmetric Nanosphere via a One-Pot Reaction of a Tristerpyridine Ligand with Ru(II). Journal of the American Chemical Society, 2014, 136, 8165-8168.	6.6	80
93	Sequential Triple "Click" Approach toward Polyhedral Oligomeric Silsesquioxane-Based Multiheaded and Multitailed Giant Surfactants. ACS Macro Letters, 2013, 2, 645-650.	2.3	52
94	Anionic synthesis of a "clickable" middle-chain azidefunctionalized polystyrene and its application in shape amphiphiles. Chinese Journal of Polymer Science (English Edition), 2013, 31, 71-82.	2.0	20
95	Cascading One-Pot Synthesis of Single-Tailed and Asymmetric Multitailed Giant Surfactants. ACS Macro Letters, 2013, 2, 1026-1032.	2.3	41
96	Exploring shape amphiphiles beyond giant surfactants: molecular design and click synthesis. Polymer Chemistry, 2013, 4, 1056-1067.	1.9	54
97	Simultaneously Strong and Tough Ultrafine Continuous Nanofibers. ACS Nano, 2013, 7, 3324-3331.	7.3	262
98	Suppressed Crystallization of Rod-Disc Molecule by Surface Anchoring Confinement. Crystal Growth and Design, 2013, 13, 1309-1315.	1.4	15
99	Synthesis, Crystal Structures, and Optical/Electronic Properties of Sphere"Rod Shape Amphiphiles Based on a [60]Fullerene;Oligofluorene Conjugate. Chemistry - an Asian Journal, 2013, 8, 1223-1231.	1.7	8
100	Facile Synthesis and Photophysical Properties of Sphere"Square Shape Amphiphiles Based on Porphyrin" [60]Fullerene Conjugates. Chemistry - an Asian Journal, 2013, 8, 947-955.	1.7	16
101	Thermoresponsive Bacterial Cellulose Whisker/Poly(NIPAM-co-BMA) Nanogel Complexes: Synthesis, Characterization, and Biological Evaluation. Biomacromolecules, 2013, 14, 1078-1084.	2.6	52
102	Giant gemini surfactants based on polystyrene"hydrophilic polyhedral oligomeric silsesquioxane shape amphiphiles: sequential "click" chemistry and solution self-assembly. Chemical Science, 2013, 4, 1345.	3.7	111
103	Self-Assembly of a Supramolecular, Three-Dimensional, Spoked, Bicycle-like Wheel. Angewandte Chemie - International Edition, 2013, 52, 7728-7731.	7.2	81
104	Exactly Defined Half-Stemmed Polymer Lamellar Crystals with Precisely Controlled Defects™ Locations. Journal of Physical Chemistry Letters, 2013, 4, 2356-2360.	2.1	34
105	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.	3.3	202
106	Fluorinated polyhedral oligomeric silsesquioxane-based shape amphiphiles: molecular design, topological variation, and facile synthesis. Polymer Chemistry, 2012, 3, 2112.	1.9	46
107	Rapid and Efficient Anionic Synthesis of Well-Defined Eight-Arm Star Polymers Using OctavinylPOSS and Poly(styryl)lithium. Macromolecules, 2012, 45, 8571-8579.	2.2	24
108	Stable, trinuclear Zn(ii)- and Cd(ii)-metallocycles: TWIM-MS, photophysical properties, and nanofiber formation. Dalton Transactions, 2012, 41, 11573.	1.6	39

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109	Phase behaviour and Janus hierarchical supramolecular structures based on asymmetric tapered bisamide. <i>Soft Matter</i> , 2012, 8, 4767.	1.2	18
110	Polystyrene-block-poly(ethylene oxide) Reverse Micelles and Their Temperature-Driven Morphological Transitions in Organic Solvents. <i>Macromolecules</i> , 2012, 45, 3634-3638.	2.2	24
111	Phase structural formation and oscillation in polystyrene-block-polydimethylsiloxane thin films. <i>Soft Matter</i> , 2012, 8, 7937.	1.2	27
112	Synthesis of fullerene-containing poly(ethylene oxide)- <i>block</i> -polystyrene as model shape amphiphiles with variable composition, diverse architecture, and high fullerene functionality. <i>Polymer Chemistry</i> , 2012, 3, 124-134.	1.9	44
113	High-fidelity fabrication of Au-polymer Janus nanoparticles using a solution template approach. <i>Soft Matter</i> , 2012, 8, 2965.	1.2	19
114	Sequential "Click" Approach to Polyhedral Oligomeric Silsesquioxane-Based Shape Amphiphiles. <i>Macromolecules</i> , 2012, 45, 8126-8134.	2.2	85
115	A Supramolecular "Double-Cable" Structure with a 129 ⁴⁴ Helix in a Columnar Porphyrin ₆₀ Dyad and its Application in Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2012, 2, 1375-1382.	10.2	43
116	Synthesis of Shape Amphiphiles Based on POSS Tethered with Two Symmetric/Asymmetric Polymer Tails via Sequential "Grafting-from" and Thiol-Ene "Click" Chemistry. <i>ACS Macro Letters</i> , 2012, 1, 834-839.	2.3	78
117	The biaxial lamello-columnar liquid crystalline structure of a tetrathiafulvalene sanidic molecule. <i>Journal of Materials Chemistry</i> , 2012, 22, 16382.	6.7	23
118	Giant Molecular Shape Amphiphiles Based on Polystyrene-Hydrophilic [60]Fullerene Conjugates: Click Synthesis, Solution Self-Assembly, and Phase Behavior. <i>Journal of the American Chemical Society</i> , 2012, 134, 7780-7787.	6.6	138
119	Polymer solar cells with an inverted device configuration using polyhedral oligomeric silsesquioxane-[60]fullerene dyad as a novel electron acceptor. <i>Science China Chemistry</i> , 2012, 55, 749-754.	4.2	15
120	Three-dimensional actuators transformed from the programmed two-dimensional structures via bending, twisting and folding mechanisms. <i>Journal of Materials Chemistry</i> , 2011, 21, 6824.	6.7	136
121	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. <i>Soft Matter</i> , 2011, 7, 6135.	1.2	26
122	Anionic Synthesis of Mono- and Heterotelechelic Polystyrenes via Thiol-Ene "Click" Chemistry and Hydrosilylation. <i>Macromolecules</i> , 2011, 44, 3328-3337.	2.2	40
123	Synthesis of Shape Amphiphiles Based on Functional Polyhedral Oligomeric Silsesquioxane End-Capped Poly(L-Lactide) with Diverse Head Surface Chemistry. <i>Macromolecules</i> , 2011, 44, 2589-2596.	2.2	98
124	Stoichiometric Self-Assembly of Shape-Persistent 2D Complexes: A Facile Route to a Symmetric Supramacromolecular Spoked Wheel. <i>Journal of the American Chemical Society</i> , 2011, 133, 11450-11453.	6.6	147
125	Stem Tilt in β -Form Single Crystals of Isotactic Polypropylene: A Manifestation of Conformational Constraints Set by Stereochemistry and Minimized Fold Encumbrance. <i>Macromolecules</i> , 2011, 44, 3916-3923.	2.2	17
126	Breaking Symmetry toward Nonspherical Janus Particles Based on Polyhedral Oligomeric Silsesquioxanes: Molecular Design, "Click" Synthesis, and Hierarchical Structure. <i>Journal of the American Chemical Society</i> , 2011, 133, 10712-10715.	6.6	148

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127	Scrolled Polymer Single Crystals Driven by Unbalanced Surface Stresses: Rational Design and Experimental Evidence. <i>Macromolecules</i> , 2011, 44, 7758-7766.	2.2	30
128	Hierarchical structure and polymorphism of a sphere-cubic shape amphiphile based on a polyhedral oligomeric silsesquioxane- $[60]$ fullerene conjugate. <i>Journal of Materials Chemistry</i> , 2011, 21, 14240.	6.7	67
129	Polymeric Biomaterials: A History of Use in Musculoskeletal Regenerative and Reconstructive Medicine. <i>ACS Symposium Series</i> , 2011, , 165-182.	0.5	1
130	Theory of X-ray reflection broadening for textures with double-axis averaging: from semicrystalline polymers exhibiting twisted lamellar growth to discotic liquid crystals. <i>Journal of Applied Crystallography</i> , 2011, 44, 540-544.	1.9	5
131	A Porphyrin- $[60]$ Fullerene Dyad with a Supramolecular "Double-Cable" Structure as a Novel Electron Acceptor for Bulk Heterojunction Polymer Solar Cells. <i>Advanced Materials</i> , 2011, 23, 2951-2956.	11.1	83
132	Surface-Induced Polymer Crystallization in High Volume Fraction Aligned Carbon Nanotube-Polymer Composites. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1003-1011.	1.1	41
133	Evidence of formation of site-selective inclusion complexation between β -cyclodextrin and poly(ethylene oxide)-block-poly(propylene oxide)-block-poly(ethylene oxide) copolymers. <i>Journal of Chemical Physics</i> , 2010, 132, 204903.	1.2	14
134	Synthesis, Self-assembly, and Crystal Structure of a Shape-Persistent Polyhedral-Oligosilsesquioxane-Nanoparticle-Tethered Perylene Diimide. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4802-4810.	1.2	83
135	Supramolecular Structure of β -Cyclodextrin and Poly(ethylene oxide)- <i>block</i> -poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 307 Td	2.2	44
136	Solution Crystallization Behavior of Crystalline Crystalline Diblock Copolymers of Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td	2.2	83
137	Molecular Frustration of Chemically Linked Rod-Disc Liquid Crystal under an Electric Field. <i>Chemistry of Materials</i> , 2010, 22, 4798-4805.	3.2	10
138	A Giant Surfactant of Polystyrene- $(\text{Carboxylic Acid-Functionalized Polyhedral Oligomeric})$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td the American Chemical Society, 2010, 132, 16741-16744.	6.6	235
139	Helical Crystal Assemblies in Nonracemic Chiral Liquid Crystalline Polymers: Where Chemistry and Physics Meet. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 11936-11947.	1.8	21
140	Poly(β -alanoid- <i>block</i> - β -alanine)s: synthesis via cobalt-catalyzed carbonylative polymerization and self-assembly. <i>Chemical Communications</i> , 2010, 46, 4273.	2.2	21
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