

Zhiwei Lin

List of Publications by Year in descending order

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394421

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34
docs citations

34
times ranked

1014
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Nanocrystals of Molecular Janus Particles. <i>Journal of the American Chemical Society</i> , 2014, 136, 10691-10699.	13.7	117
2	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.	2.1	69
3	A Noncrystallization Approach toward Uniform Thylakoids-like 2D "Nano-coins" and Their Grana-like 3D Suprastructures. <i>Journal of the American Chemical Society</i> , 2017, 139, 5883-5889.	13.7	52
4	Topologically Directed Assemblies of Semiconducting Sphere-Rod Conjugates. <i>Journal of the American Chemical Society</i> , 2017, 139, 18616-18622.	13.7	51
5	Tunable Affinity and Molecular Architecture Lead to Diverse Self-Assembled Supramolecular Structures in Thin Films. <i>ACS Nano</i> , 2016, 10, 919-929.	14.6	47
6	Asymmetric Giant "Bolaform-like" Surfactants: Precise Synthesis, Phase Diagram, and Crystallization-Induced Phase Separation. <i>Macromolecules</i> , 2014, 47, 4622-4633.	4.8	46
7	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.	4.8	46
8	Engineering Organization of DNA Nano-Chambers through Dimensionally Controlled and Multi-Sequence Encoded Differentiated Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 17531-17542.	13.7	44
9	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.	3.3	39
10	Preparation of High Performance Copolyimide Fibers via Increasing Draw Ratios. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 1096-1107.	3.6	37
11	"Clicking" fluorinated polyhedral oligomeric silsesquioxane onto polymers: a modular approach toward shape amphiphiles with fluorous molecular clusters. <i>Polymer Chemistry</i> , 2014, 5, 3588.	3.9	35
12	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.	4.8	35
13	Controllable Covalent-Bound Nanoarchitectures from DNA Frames. <i>Journal of the American Chemical Society</i> , 2019, 141, 6797-6801.	13.7	35
14	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.	4.8	30
15	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.	13.8	30
16	Charge-Regulated Spontaneous, Reversible Self-Assembly of the Carboxylic Acid-Functionalized Hydrophilic Fullerene Macroanions in Dilute Solution. <i>Macromolecules</i> , 2015, 48, 725-731.	4.8	29
17	Hydrogen-Bonding-Induced Nanophase Separation in Giant Surfactants Consisting of Hydrophilic [60]Fullerene Tethered to Block Copolymers at Different Locations. <i>Macromolecules</i> , 2015, 48, 5496-5503.	4.8	29
18	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11879-11885.	13.8	28

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19	Superlattice Engineering with Chemically Precise Molecular Building Blocks. <i>Journal of the American Chemical Society</i> , 2021, 143, 21613-21621.	13.7	23
20	Continuous Curvature Change into Controllable and Responsive Onion-like Vesicles by Rigid Sphere-Rod Amphiphiles. <i>ACS Nano</i> , 2020, 14, 1811-1822.	14.6	20
21	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.	3.9	19
22	Discovery of Structural Complexity through Self-Assembly of Molecules Containing Rodlike Components. <i>Chemistry - A European Journal</i> , 2020, 26, 6741-6756.	3.3	17
23	Divalent Multilinking Bonds Control Growth and Morphology of Nanopolymers. <i>Nano Letters</i> , 2021, 21, 10547-10554.	9.1	15
24	Geometry-Directed Self-Assembly of Polymeric Molecular Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2024-2029.	13.8	12
25	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. <i>Angewandte Chemie</i> , 2019, 131, 12005-12011.	2.0	10
26	Optical Detection of Stereoselective Interactions with DNA-Wrapped Single-Wall Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2021, 143, 20628-20632.	13.7	10
27	Machine Learning-Guided Systematic Search of DNA Sequences for Sorting Carbon Nanotubes. <i>ACS Nano</i> , 2022, 16, 4705-4713.	14.6	10
28	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.	2.0	6
29	Geometry-Directed Self-Assembly of Polymeric Molecular Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 2052-2057.	2.0	1
30	Frontispiece: Discovery of Structural Complexity through Self-Assembly of Molecules Containing Rodlike Components. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0
31	Rücktitelbild: Geometry-Directed Self-Assembly of Polymeric Molecular Frameworks (<i>Angew. Chem.</i>)	1.0784314	0
32	Giant Molecules: A Unique and Efficient Soft Matter Platform to Construct Diverse Supramolecular Nanostructures. , 2020, , 109-151.		0