

Yu Shao

List of Publications by Year in descending order

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papers

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36
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete Block Copolymers with Diverse Architectures: Resolving Complex Spherical Phases with One Monomer Resolution. ACS Central Science, 2020, 6, 1386-1393.	11.3	72
2	Engineering π - π interactions for enhanced photoluminescent properties: unique discrete dimeric packing of perylene diimides. RSC Advances, 2017, 7, 6530-6537.	3.6	42
3	Precision Synthesis and Distinct Assembly of Double-Chain Giant Surfactant Regioisomers. Macromolecules, 2017, 50, 3943-3953.	4.8	39
4	Janus POSS Based on Mixed [2:6] Octakis π -Adduct Regioisomers. Chemistry - A European Journal, 2016, 22, 6397-6403.	3.3	35
5	Janus [3:5] Polystyrene π -Polydimethylsiloxane Star Polymers with a Cubic Core. Macromolecules, 2018, 51, 419-427.	4.8	34
6	From protein domains to molecular nanoparticles: what can giant molecules learn from proteins?. Materials Horizons, 2017, 4, 117-132.	12.2	29
7	Discrete Giant Polymeric Chains Based on Nanosized Monomers. JACS, 2021, 1, 79-86.	7.9	29
8	Macromolecular Isomerism in Giant Molecules. Chemistry - A European Journal, 2020, 26, 2985-2992.	3.3	26
9	Programmable Chromism and Photoluminescence of Spiropyran π -Based Liquid Crystalline Polymer with Tunable Glass Transition Temperature. Angewandte Chemie - International Edition, 2021, 60, 19406-19412.	13.8	24
10	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
11	Mixed [2 π :6 π] hetero-arm star polymers based on Janus POSS with precisely defined arm distribution. Polymer Chemistry, 2016, 7, 2381-2388.	3.9	21
12	Influence of Regio-Configuration on the Phase Diagrams of Double-Chain Giant Surfactants. Macromolecules, 2018, 51, 1110-1119.	4.8	20
13	Symmetry-Dictated Mesophase Formation and Phase Diagram of Perfluorinated Polyhedral Oligomeric Silsesquioxanes. Macromolecules, 2019, 52, 2361-2370.	4.8	19
14	Effect of Molecular Architecture and Symmetry on Self-Assembly: A Quantitative Revisit Using Discrete ABA Triblock Copolymers. ACS Macro Letters, 2022, 11, 555-561.	4.8	18
15	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
16	Symmetry-guided, divergent assembly of regio-isomeric molecular Janus particles. Chemical Communications, 2019, 55, 6425-6428.	4.1	15
17	Fluorinated polyhedral oligomeric silsesquioxanes end-capped poly(ethylene oxide) giant surfactants: precise synthesis and interfacial behaviors. Polymer, 2020, 186, 122055.	3.8	15
18	Thickness control of 2D nanosheets assembled from precise side-chain giant molecules. Chemical Science, 2021, 12, 5216-5223.	7.4	13

#	ARTICLE	IF	CITATIONS
19	Microporous aromatic polyimides derived from triptycene-based dianhydride. Chinese Chemical Letters, 2016, 27, 454-458.	9.0	12
20	Regioisomeric Tandem Triblock Shape Amphiphiles Based on Polyhedral Oligomeric Silsesquioxanes. Chemistry - A European Journal, 2018, 24, 12389-12396.	3.3	12
21	Langmuir-Blodgett Films of C60-end-capped Poly(ethylene oxide). Chinese Journal of Polymer Science (English Edition), 2019, 37, 604-608.	3.8	11
22	Morphological Variation of an LB Film of Giant Amphiphiles Composed of Poly(ethylene oxide) and Hydrophobically Modified POSS. Langmuir, 2021, 37, 4294-4301.	3.5	11
23	Perylene diimide derivative <i>via</i> ionic self-assembly: helical supramolecular structure and selective detection of ATP. Journal of Materials Chemistry C, 2020, 8, 10422-10430.	5.5	9
24	Native conjugation between proteins and [60]fullerene derivatives using SpyTag as a reactive handle. Chinese Chemical Letters, 2021, 32, 353-356.	9.0	8
25	Fractal Growth of Giant Amphiphiles in Langmuir-Blodgett Films. Chinese Journal of Polymer Science (English Edition), 2022, 40, 556-566.	3.8	8
26	Synthesis and Self-Assembly of Shape Amphiphiles Based on POSS-Dendron Conjugates. Molecules, 2017, 22, 622.	3.8	7
27	Phase Behaviors of Multi-tailed B ₂ AB ₂ -type Regioisomeric Giant Surfactants at the Columnar-Spherical Boundary. Chinese Journal of Chemistry, 2021, 39, 3261.	4.9	7
28	Phase Behaviors of Giant Surfactants with Different Numbers of Fluorinated Polyhedral Oligomeric Silsesquioxane "Heads" and One Poly(ethylene oxide) "Tail" at the Air-Water Interface. Langmuir, 2021, 37, 11084-11092.	3.5	5
29	Synthesis, Self-Assembly and Characterization of Tandem Triblock BPOSS-PDI-X Shape Amphiphiles. Molecules, 2019, 24, 2114.	3.8	4
30	Crystallization of Precise Side-Chain Giant Molecules with Tunable Sequences and Functionalities. Macromolecules, 2021, 54, 11093-11100.	4.8	3
31	Crowding-Induced Unconventional Phase Behaviors in Dendritic Rodlike Molecules via Side-Chain Engineering. ACS Macro Letters, 2021, 10, 844-850.	4.8	2
32	Phase Behavior and Phase Diagram of Polystyrene-b-Poly(Perfluorooctylethyl Acrylates). Polymers, 2020, 12, 819.	4.5	1
33	Synthesis, characterization, and self-assembly of a POSS-based Janus molecular particle. Scientia Sinica Chimica, 2020, 50, 1460-1468.	0.4	1
34	ABC-type Bolaform Giant Surfactants: Synthesis and Self-assembly. Macromolecular Rapid Communications, 2020, 41, 2200319.	3.9	1
35	Frontispiece: Macromolecular Isomerism in Giant Molecules. Chemistry - A European Journal, 2020, 26, .	3.3	0
36	Programmable Chromism and Photoluminescence of Spiropyran-Based Liquid Crystalline Polymer with Tunable Glass Transition Temperature. Angewandte Chemie, 2021, 133, 19555-19561.	2.0	0