

Zhegang Huang

List of Publications by Year in descending order

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32
papers

1,080
citations

516710

16
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

1404
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulsating Tubules from Noncovalent Macrocycles. <i>Science</i> , 2012, 337, 1521-1526.	12.6	298
2	Responsive nematic gels from the self-assembly of aqueous nanofibres. <i>Nature Communications</i> , 2011, 2, 459.	12.8	105
3	Self-Assembling Molecular Dumbbells: From Nanohelices to Nanocapsules Triggered by Guest Intercalation. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5304-5307.	13.8	99
4	Multivalent Nanofibers of a Controlled Length: Regulation of Bacterial Cell Agglutination. <i>Journal of the American Chemical Society</i> , 2012, 134, 14722-14725.	13.7	64
5	Intelligent Mesoporous Materials for Selective Adsorption and Mechanical Release of Organic Pollutants from Water. <i>Advanced Materials</i> , 2018, 30, e1800683.	21.0	55
6	Rigid-Flexible Block Molecules Based on a Laterally Extended Aromatic Segment: Hierarchical Assembly into Single Fibers, Flat Ribbons, and Twisted Ribbons. <i>Chemistry - A European Journal</i> , 2008, 14, 6957-6966.	3.3	47
7	Supramolecular Nanotubules as a Catalytic Regulator for Palladium Cations: Applications in Selective Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11511-11514.	13.8	47
8	Guest-Driven Inflation of Self-Assembled Nanofibers through Hollow Channel Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 16152-16155.	13.7	39
9	Aqueous nanofibers with switchable chirality formed of self-assembled dumbbell-shaped rod amphiphiles. <i>Chemical Communications</i> , 2009, , 6819.	4.1	30
10	Synthesis and self-assembly of coil-rod-coil molecules with lateral methyl and ethyl groups in the center of the rod segment. <i>Soft Matter</i> , 2010, 6, 5993.	2.7	28
11	Induction of supramolecular chirality in self-assembled nanofibers triggered by environmental change. <i>Journal of Materials Chemistry</i> , 2011, 21, 15327.	6.7	26
12	Synthesis and self-assembly of rod-coil molecules with π -shaped rod building block. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1415-1422.	2.3	20
13	Supramolecular Nanopumps with Chiral Recognition for Moving Organic Pollutants from Water. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31220-31226.	8.0	20
14	Tunable Columnar Organization by Twisted Stacking of End-Capped Aromatic Rods. <i>Chemistry of Materials</i> , 2007, 19, 6569-6574.	6.7	17
15	Controlled Helicity of the Rigid-Flexible Molecular Assembly Triggered by Water Addition: From Nanocrystal to Liquid Crystal Gel and Aqueous Nanofibers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8181-8186.	3.1	17
16	Supramolecular columnar nanostructures from self-organization of coil-rod-coil molecules incorporating an anthracene unit. <i>Polymer International</i> , 2011, 60, 845-850.	3.1	16
17	Supramolecular honeycomb and columnar assemblies formed by self-assembly of coil-rod-coil molecules with a conjugated rod segment. <i>Macromolecular Research</i> , 2010, 18, 800-805.	2.4	13
18	Supramolecular polymerization of spherical micelles triggered by donor-acceptor interactions. <i>Polymer Chemistry</i> , 2013, 4, 268-271.	3.9	12

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19	Precisely Controlled Multidimensional Covalent Frameworks: Polymerization of Supramolecular Colloids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21525-21529.	13.8	12
20	Stimuli-Responsive Supramolecular Chirality Switching and Nanoassembly Constructed by n-Shaped Amphiphilic Molecules in Aqueous Solution. <i>Langmuir</i> , 2021, 37, 1215-1224.	3.5	11
21	Self-assembly of rod-coil molecules into lateral chain-length-dependent supramolecular organization. <i>Journal of Applied Polymer Science</i> , 2012, 123, 1007-1014.	2.6	10
22	Charge Regulation of Self-Assembled Tubules by Protonation for Efficiently Selective and Controlled Drug Delivery. <i>IScience</i> , 2019, 19, 224-231.	4.1	10
23	Two-Dimensional Cationic Networks and Their Spherical Curvature with Tunable Opening-Closing. <i>Nano Letters</i> , 2019, 19, 9131-9137.	9.1	9
24	Self-organization of amphiphilic diblock rod-coil molecule into supramolecular honeycomb and cylindrical aggregates and its application as Suzuki coupling reaction. <i>Macromolecular Research</i> , 2010, 18, 289-296.	2.4	8
25	Supramolecular Nanotubules as a Catalytic Regulator for Palladium Cations: Applications in Selective Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 11669-11672.	2.0	6
26	Nanoassemblies formed from amphiphilic pillar[5]arene-rod-coil macromolecules in water for the detection of aliphatic diamines. <i>Dyes and Pigments</i> , 2022, 199, 110052.	3.7	6
27	Catalytically-active porous assembly with dynamic pulsating motion for efficient exchange of products and reagents. <i>Communications Chemistry</i> , 2020, 3, .	4.5	5
28	Construction of nanoaggregates from amphiphilic supramolecules containing barbiturate and π -conjugated wedge units. <i>Polymer International</i> , 2022, 71, 478-486.	3.1	4
29	Tubular metal organic frameworks from the curvature of 2D-honeycombed metal coordination. <i>Dalton Transactions</i> , 2020, 49, 2403-2406.	3.3	3
30	3-D hexagonal close-packed nano-structure from self-organization of triblock copolymer containing lateral ethyl groups in the middle of rod segment. <i>Macromolecular Research</i> , 2013, 21, 624-628.	2.4	2
31	Precisely Controlled Multidimensional Covalent Frameworks: Polymerization of Supramolecular Colloids. <i>Angewandte Chemie</i> , 2020, 132, 21709-21713.	2.0	2
32	Thermo-responsive chiral column by scissoring motion from rigid-flexible aromatic rod assembly. <i>European Polymer Journal</i> , 2016, 74, 38-42.	5.4	0