

Hsiao-Fang Wang

List of Publications by Year in descending order

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25
papers

1,033
citations

430874

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526287

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29
all docs

29
docs citations

29
times ranked

1541
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Transfer of Chirality from Molecule to Phase in Self-Assembled Chiral Block Copolymers. Journal of the American Chemical Society, 2012, 134, 10974-10986.	13.7	125
3	Perovskite Quantum Dots with Near Unity Solution and Neat Film Photoluminescent Quantum Yield by Novel Spray Synthesis. Advanced Materials, 2018, 30, 1705532.	21.0	84
4	Homochiral Evolution in Self-Assembled Chiral Polymers and Block Copolymers. Accounts of Chemical Research, 2017, 50, 1011-1021.	15.6	78
5	Protein-Silver Nanoparticle Interactions to Colloidal Stability in Acidic Environments. Langmuir, 2014, 30, 12755-12764.	3.5	60
6	Shifting Networks to Achieve Subgroup Symmetry Properties. Advanced Materials, 2014, 26, 3225-3229.	21.0	57
7	Efficient inverted quasi-bilayer organic solar cells fabricated by using non-halogenated solvent processes. Journal of Materials Chemistry A, 2014, 2, 13398-13406.	10.3	39
8	Lamellar Twisting-Induced Circular Dichroism of Chromophore Moieties in Banded Spherulites with Evolution of Homochirality. Angewandte Chemie - International Edition, 2014, 53, 4450-4455.	13.8	39
9	Handedness of Twisted Lamella in Banded Spherulite of Chiral Polylactides and Their Blends. Macromolecules, 2017, 50, 5466-5475.	4.8	37
10	Generalizing the effects of chirality on block copolymer assembly. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4080-4089.	7.1	37
11	Networks with controlled chirality via self-assembly of chiral triblock terpolymers. Science Advances, 2020, 6, .	10.3	36
12	Controlled Handedness of Twisted Lamellae in Banded Spherulites of Isotactic Poly(2-vinylpyridine) as Induced by Chiral Dopants. Angewandte Chemie - International Edition, 2015, 54, 14313-14316.	13.8	33
13	Highly efficient organic solar cells using a solution-processed active layer with a small molecule donor and pristine fullerene. Journal of Materials Chemistry A, 2014, 2, 3709-3714.	10.3	31
14	Quantifying Nanosheet Graphene Oxide Using Electrospray-Differential Mobility Analysis. Analytical Chemistry, 2015, 87, 3884-3889.	6.5	28
15	A Facile Method To Fabricate Double Gyroid as a Polymer Template for Nanohybrids. Macromolecules, 2014, 47, 7993-8001.	4.8	26
16	Chirality Control and Its Memory at Microphase-Separated Interface of Self-Assembled Chiral Block Copolymers for Nanostructured Chiral Materials. ACS Macro Letters, 2017, 6, 980-986.	4.8	23
17	Helical Phase Driven by Solvent Evaporation in Self-Assembly of Poly(4-vinylpyridine)- <i>block</i> -poly(<i>l</i> -lactide) Chiral Block Copolymers. Macromolecules, 2012, 45, 9727-9733.	4.8	21
18	Surface PEGylation of Silver Nanoparticles: Kinetics of Simultaneous Surface Dissolution and Molecular Desorption. Langmuir, 2016, 32, 9807-9815.	3.5	20

#	ARTICLE	IF	CITATIONS
19	Self-Alignment of Cylinder-Forming Silicon-Containing Block Copolymer Films. <i>Macromolecules</i> , 2018, 51, 7656-7665.	4.8	10
20	Helical phase from blending of chiral block copolymer and homopolymer. <i>Chemical Communications</i> , 2012, 48, 3665.	4.1	9
21	Three-dimensional visualization of phase transition in polystyrene-block-polydimethylsiloxane thin film. <i>Polymer</i> , 2019, 167, 209-214.	3.8	8
22	Directed crystallization of isotactic poly(2-vinylpyridine) for preferred lamellar twisting by chiral dopants. <i>Polymer</i> , 2016, 107, 44-53.	3.8	7
23	Quantum Dots: Perovskite Quantum Dots with Near Unity Solution and Neat Film Photoluminescent Quantum Yield by Novel Spray Synthesis (<i>Adv. Mater.</i> 7/2018). <i>Advanced Materials</i> , 2018, 30, 1870048.	21.0	6
24	Gas-phase self-assembly of uniform silica nanostructures decorated and doped with silver nanoparticles. <i>Nanotechnology</i> , 2017, 28, 035602.	2.6	5
25	Curving and Twisting in Self-Assembly of Triblock Terpolymers Driven by a Chiral End Block. <i>Macromolecules</i> , 2022, 55, 1185-1195.	4.8	4