

Yan Cao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Breaking Symmetry toward Nonspherical Janus Particles Based on Polyhedral Oligomeric Silesquioxanes: Molecular Design, "Click" Synthesis, and Hierarchical Structure. <i>Journal of the American Chemical Society</i> , 2011, 133, 10712-10715.	13.7	148
2	Polymer Solar Cells with a Low-Temperature-Annealed Sol-Gel-Derived MoO _x Film as a Hole Extraction Layer. <i>Advanced Energy Materials</i> , 2012, 2, 523-527.	19.5	97
3	Epitaxially Dominated Crystalline Morphologies of the $\hat{\Gamma}^3$ -Phase in Isotactic Polypropylene. <i>Macromolecules</i> , 2009, 42, 4758-4768.	4.8	33
4	Confinement-Induced Crystal Growth in One-Dimensional Isotactic Polystyrene Nanorod Arrays. <i>ACS Macro Letters</i> , 2013, 2, 414-418.	4.8	24
5	The biaxial lamello-columnar liquid crystalline structure of a tetrathiafulvalene sanidic molecule. <i>Journal of Materials Chemistry</i> , 2012, 22, 16382.	6.7	23
6	Rapid discovery of self-assembling peptides with one-bead one-compound peptide library. <i>Nature Communications</i> , 2021, 12, 4494.	12.8	23
7	Synthesis, structure, photo- and electro-luminescence of an iridium(III) complex with a novel carbazole functionalized $\hat{\Gamma}^2$ -diketone ligand. <i>RSC Advances</i> , 2014, 4, 554-562.	3.6	18
8	Stem Tilt in $\hat{\Gamma}^\pm$ -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.	4.8	17
9	Suppressed Crystallization of Rod-Disc Molecule by Surface Anchoring Confinement. <i>Crystal Growth and Design</i> , 2013, 13, 1309-1315.	3.0	15
10	Synthesis of Flower-Like Co ₉ S ₈ /Reduced Graphene Oxide Nanocomposites and Their Photocatalytic Performance. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 5168-5179.	3.7	12
11	Adding Symmetry: Cylindrically Confined Crystallization of Nylon-6. <i>Macromolecules</i> , 2019, 52, 3298-3305.	4.8	11
12	Molecular Frustration of Chemically Linked Rod-Disc Liquid Crystal under an Electric Field. <i>Chemistry of Materials</i> , 2010, 22, 4798-4805.	6.7	10
13	Molecular self-assembly of nylon-12 nanorods cylindrically confined to nanoporous alumina. <i>IUCr</i> , 2014, 1, 439-445.	2.2	10
14	Two-Dimensional Conjugated Polymeric Nanocrystals for Organic Electronics. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1458-1464.	4.3	9
15	Diversified $\hat{\Gamma}^\pm$ -phase nanostructure of isotactic polypropylene under cylindrical confinement via cross diffraction analysis. <i>Polymer</i> , 2019, 179, 121647.	3.8	6
16	Hierarchical Structure with an Unusual Honeycomb Fullerene Scaffold by a Fullerene-Triphenylene Shape Amphiphile. <i>Macromolecules</i> , 2020, 53, 6056-6062.	4.8	5
17	Molecular Engineering of Polyaniline with Ultrathin Polydopamine and Monolayer Graphene for All-Solid-State Flexible Microsupercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 10069-10080.	5.1	5
18	Coherent crystal branches: the impact of tetragonal symmetry on the 2D confined polymer nanostructure. <i>IUCr</i> , 2021, 8, 215-224.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Development of Diketopyrrolopyrrole-Based Smart Inks by Substituting Ionic Pendants and Engineering Molecular Packing Structures. ACS Applied Materials & Interfaces, 2021, 13, 31206-31214.	8.0	4
20	Hierarchical structure of the triclinic $\hat{\pm}$ -phase crystal in nylon 6,12 mediated by two-dimensional confinement. Journal of Applied Crystallography, 2020, 53, 27-33.	4.5	3
21	Structural Ensemble of Molecular Chains in Isotactic Polypropylene under Cylindrical Confinement. Macromolecules, 2021, 54, 2325-2333.	4.8	2
22	Dual Effects of Interfacial Interaction and Geometric Constraints on Structural Formation of Poly(butylene terephthalate) Nanorods. Chinese Journal of Polymer Science (English Edition), 0, , .	3.8	2