

# Yan Cao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1867672/publications.pdf>

Version: 2024-02-01

22  
papers

482  
citations

933447

10  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent crystal branches: the impact of tetragonal symmetry on the 2D confined polymer nanostructure. <i>IUCr</i> , 2021, 8, 215-224.	2.2	4
2	Structural Ensemble of Molecular Chains in Isotactic Polypropylene under Cylindrical Confinement. <i>Macromolecules</i> , 2021, 54, 2325-2333.	4.8	2
3	Development of Diketopyrrolopyrrole-Based Smart Inks by Substituting Ionic Pendants and Engineering Molecular Packing Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31206-31214.	8.0	4
4	Rapid discovery of self-assembling peptides with one-bead one-compound peptide library. <i>Nature Communications</i> , 2021, 12, 4494.	12.8	23
5	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
6	Hierarchical structure of the triclinic $\hat{\pm}$ -phase crystal in nylon 6,12 mediated by two-dimensional confinement. <i>Journal of Applied Crystallography</i> , 2020, 53, 27-33.	4.5	3
7	Hierarchical Structure with an Unusual Honeycomb Fullerene Scaffold by a Fullerene-Triphenylene Shape Amphiphile. <i>Macromolecules</i> , 2020, 53, 6056-6062.	4.8	5
8	Synthesis of Flower-Like Co <sub>9</sub> S <sub>8</sub> /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
9	Two-Dimensional Conjugated Polymeric Nanocrystals for Organic Electronics. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1458-1464.	4.3	9
10	Diversified $\hat{\pm}$ -phase nanostructure of isotactic polypropylene under cylindrical confinement via cross diffraction analysis. <i>Polymer</i> , 2019, 179, 121647.	3.8	6
11	Adding Symmetry: Cylindrically Confined Crystallization of Nylon-6. <i>Macromolecules</i> , 2019, 52, 3298-3305.	4.8	11
12	Molecular self-assembly of nylon-12 nanorods cylindrically confined to nanoporous alumina. <i>IUCr</i> , 2014, 1, 439-445.	2.2	10
13	Synthesis, structure, photo- and electro-luminescence of an iridium(III) complex with a novel carbazole functionalized $\hat{\pm}$ -diketone ligand. <i>RSC Advances</i> , 2014, 4, 554-562.	3.6	18
14	Suppressed Crystallization of Rod-Disc Molecule by Surface Anchoring Confinement. <i>Crystal Growth and Design</i> , 2013, 13, 1309-1315.	3.0	15
15	Confinement-Induced Crystal Growth in One-Dimensional Isotactic Polystyrene Nanorod Arrays. <i>ACS Macro Letters</i> , 2013, 2, 414-418.	4.8	24
16	Polymer Solar Cells with a Low-Temperature-Annealed Sol-Gel-Derived MoO <sub>x</sub> Film as a Hole Extraction Layer. <i>Advanced Energy Materials</i> , 2012, 2, 523-527.	19.5	97
17	The biaxial lamello-columnar liquid crystalline structure of a tetrathiafulvalene sanidic molecule. <i>Journal of Materials Chemistry</i> , 2012, 22, 16382.	6.7	23
18	Stem Tilt in $\hat{\pm}$ -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

#	ARTICLE	IF	CITATIONS
19	Breaking Symmetry toward Nonspherical Janus Particles Based on Polyhedral Oligomeric Silsesquioxanes: Molecular Design, "Click" Synthesis, and Hierarchical Structure. <i>Journal of the American Chemical Society</i> , 2011, 133, 10712-10715.	13.7	148
20	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
21	Epitaxially Dominated Crystalline Morphologies of the $\beta^3$ -Phase in Isotactic Polypropylene. <i>Macromolecules</i> , 2009, 42, 4758-4768.	4.8	33
22	Dual Effects of Interfacial Interaction and Geometric Constraints on Structural Formation of Poly(butylene terephthalate) Nanorods. <i>Chinese Journal of Polymer Science (English Edition)</i> , 0, , .	3.8	2