

Bin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6364050/publications.pdf>

Version: 2024-02-01

34
papers

757
citations

471509

17
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

637
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic oil gels constructed by 1,2-dithiolane-containing telechelic polymers: An efficient and versatile platform for fabricating polymer-inorganic composites toward tribological applications. <i>Chemical Engineering Journal</i> , 2022, 430, 133097.	12.7	12
2	Intrinsic carbon nanotube liquid crystalline elastomer photoactuators for high-definition biomechanics. <i>Materials Horizons</i> , 2022, 9, 1045-1056.	12.2	40
3	Self-nucleation of Patterned Polymer Thin Films Defined by Soft Lithography. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 651-657.	3.8	3
4	Hierarchical self-assembly of miktoarm star copolymers with pathway complexity. <i>Polymer Chemistry</i> , 2021, 12, 1476-1486.	3.9	4
5	Self-Nucleation of β -Form Isotactic Polypropylene Lamellar Crystals in Thin Films. <i>Macromolecules</i> , 2021, 54, 11404-11411.	4.8	16
6	The Effect of the Cooling Rate on the Morphology and Crystallization of Triple Crystalline PE $\text{-}b\text{-}PEO\text{-}b\text{-}PLLA$ and PE $\text{-}b\text{-}PCL\text{-}b\text{-}PLLA$ Triblock Terpolymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4952-4963.	4.4	7
7	Nucleation Mechanism for Form II to I Polymorphic Transformation in Polybutene-1. <i>Macromolecules</i> , 2020, 53, 6476-6485.	4.8	21
8	Dewetting-Induced Alignment and Ordering of Cylindrical Mesophases in Thin Block Copolymer Films. <i>Macromolecules</i> , 2020, 53, 9631-9640.	4.8	6
9	Influence of melt structure on Form II to I phase transition of Polybutene-1 under shear flow. <i>Polymer</i> , 2020, 199, 122562.	3.8	15
10	Supercritical CO ₂ -constructed intralayer [Bi ₂ O ₂] ²⁺ structural distortion for enhanced CO ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13320-13327.	10.3	29
11	Later Stage Melting of Isotactic Polypropylene. <i>Macromolecules</i> , 2020, 53, 2136-2144.	4.8	23
12	Weak Lewis Pairs as Catalysts for Highly Iselective Ring-Opening Polymerization of Epimerically Labile <i>rac</i> -O-Carboxyanhydride of Mandelic Acid. <i>Macromolecules</i> , 2020, 53, 946-955.	4.8	23
13	Amphiphilic miktoarm star copolymers can self-assemble into micelle-like aggregates in nonselective solvents: a case study of polyoxometalate based miktoarm stars. <i>Science China Chemistry</i> , 2020, 63, 792-801.	8.2	23
14	Relation Between Charge Transport and the Number of Interconnected Lamellar Poly(3-Hexylthiophene) Crystals. <i>Macromolecules</i> , 2019, 52, 6088-6096.	4.8	13
15	Telechelic amphiphilic metallopolymers end-functionalized with platinum(<i>sc</i>) complexes: synthesis, luminescence enhancement, and their self-assembly into flowerlike vesicles and giant flowerlike vesicles. <i>Polymer Chemistry</i> , 2019, 10, 4477-4484.	3.9	19
16	Sub-10 nm Scale Lamellar Structures with a High Degree of Long-Range Order Fabricated by Orthogonal Self-Assembly of Crown Ether/Secondary Dialkylammonium Recognition and Metal $\text{-}A\text{-}A\text{-}Metal$ Interactions. <i>ACS Macro Letters</i> , 2019, 8, 1012-1016.	4.8	15
17	Controlling the pore size in conjugated polymer films <i>via</i> crystallization-driven phase separation. <i>Soft Matter</i> , 2019, 15, 2981-2989.	2.7	8
18	Transformation from form II to form I accelerated by oriented lamellae in Polybutene-1. <i>Polymer</i> , 2019, 185, 121966.	3.8	27

#	ARTICLE	IF	CITATIONS
19	Systematic Control of Self-Seeding Crystallization Patterns of Poly(ethylene oxide) in Thin Films. <i>Macromolecules</i> , 2018, 51, 1626-1635.	4.8	26
20	How do polymer molecular weights influence the luminescence properties of metal-containing polymers? A case study of platinum(Pt^{II}) complex end-functionalized polymers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12187-12191.	5.5	14
21	Generating Nanoscopic Patterns in Conductivity within a Poly(3-hexylthiophene) Crystal via Bias-Controlled Scanning Probe Nanolithography. <i>Macromolecules</i> , 2018, 51, 7692-7698.	4.8	7
22	Secondary dialkylammonium salt/crown ether [2]pseudorotaxanes as nanostructured platforms for proton transport. <i>Chemical Communications</i> , 2018, 54, 8092-8095.	4.1	14
23	Morphological Changes of Isotactic Polypropylene Crystals Grown in Thin Films. <i>Macromolecules</i> , 2017, 50, 6210-6217.	4.8	25
24	Phosphorescent and semiconductive fiber-like micelles formed by platinum(Pt^{II}) complexes and block copolymers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12500-12506.	5.5	18
25	Flow-Induced Dendritic β -Form Isotactic Polypropylene Crystals in Thin Films. <i>Macromolecules</i> , 2016, 49, 5145-5151.	4.8	42
26	High-Temperature Stability of Dewetting-Induced Thin Polyethylene Filaments. <i>Macromolecules</i> , 2015, 48, 1518-1523.	4.8	14
27	Molecular Weight-Dependent Changes in Morphology of Solution-Grown Polyethylene Single Crystals. <i>Macromolecular Rapid Communications</i> , 2015, 36, 181-189.	3.9	29
28	Annealing-induced periodic patterns in solution grown polymer single crystals. <i>RSC Advances</i> , 2015, 5, 12974-12980.	3.6	17
29	Correlating Polymer Crystals via Self-Induced Nucleation. <i>Physical Review Letters</i> , 2014, 112, 237801.	7.8	36
30	Effect of Shear Stress on Crystallization of Isotactic Polypropylene from a Structured Melt. <i>Macromolecules</i> , 2012, 45, 8933-8937.	4.8	60
31	Effects of melt structure on shear-induced β -cylindrites of isotactic polypropylene. <i>Polymer</i> , 2012, 53, 1791-1800.	3.8	79
32	Crystal morphology and structure of the β -form of isotactic polypropylene under supercooled extrusion. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3255-3264.	2.6	18
33	Formation of β -cylindrites under supercooled extrusion of isotactic polypropylene at low shear stress. <i>Polymer</i> , 2011, 52, 2075-2084.	3.8	40
34	Single Crystal Structure of Form I Syndiotactic Poly(butene-1). <i>Macromolecules</i> , 2001, 34, 5221-5223.	4.8	14