

Shanju Zhang

List of Publications by Year in descending order

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54
papers

1,659
citations

331259

21
h-index

288905

40
g-index

55
all docs

55
docs citations

55
times ranked

2118
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer transcrystallinity induced by carbon nanotubes. <i>Polymer</i> , 2008, 49, 1356-1364.	1.8	207
2	Macroscopic Fibers of Well-Aligned Carbon Nanotubes by Wet Spinning. <i>Small</i> , 2008, 4, 1217-1222.	5.2	157
3	Carbon Nanotubes as Liquid Crystals. <i>Small</i> , 2008, 4, 1270-1283.	5.2	136
4	Solid-state spun fibers and yarns from 1-mm long carbon nanotube forests synthesized by water-assisted chemical vapor deposition. <i>Journal of Materials Science</i> , 2008, 43, 4356-4362.	1.7	96
5	Microwave Makes Carbon Nanotubes Less Defective. <i>ACS Nano</i> , 2010, 4, 1716-1722.	7.3	86
6	Nanocomposites of Carbon Nanotube Fibers Prepared by Polymer Crystallization. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1642-1647.	4.0	82
7	Mesogenicity Drives Fractionation in Lyotropic Aqueous Suspensions of Multiwall Carbon Nanotubes. <i>Nano Letters</i> , 2006, 6, 568-572.	4.5	77
8	Directed Assembly of Hybrid Nanomaterials and Nanocomposites. <i>Advanced Materials</i> , 2018, 30, e1705794.	11.1	74
9	Ordering in a Droplet of an Aqueous Suspension of Single-Wall Carbon Nanotubes on a Solid Substrate. <i>Langmuir</i> , 2010, 26, 2107-2112.	1.6	54
10	Interfacial crystallization of isotactic polypropylene surrounding macroscopic carbon nanotube and graphene fibers. <i>Polymer</i> , 2016, 91, 136-145.	1.8	53
11	Surface-Induced Polymer Crystallization in High Volume Fraction Aligned Carbon Nanotube-Polymer Composites. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1003-1011.	1.1	41
12	Liquid Crystalline Order and Magnetocrystalline Anisotropy in Magnetically Doped Semiconducting ZnO Nanowires. <i>ACS Nano</i> , 2011, 5, 8357-8364.	7.3	38
13	Graphene-Induced Oriented Interfacial Microstructures in Single Fiber Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13620-13626.	4.0	38
14	Directed Self-Assembly of Hybrid Oxide/Polymer Core/Shell Nanowires with Transport Optimized Morphology for Photovoltaics. <i>Advanced Materials</i> , 2012, 24, 82-87.	11.1	37
15	In Situ Study of Dynamic Conformational Transitions of a Water-Soluble Poly(3-hexylthiophene) Derivative by Surfactant Complexation. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12887-12894.	1.2	29
16	Lyotropic Self-Assembly of High-Aspect-Ratio Semiconductor Nanowires of Single-Crystal ZnO. <i>Langmuir</i> , 2011, 27, 11616-11621.	1.6	28
17	Synthesis and solid state structures of macromolecular cylindrical brushes with varying side chain length. <i>Polymer</i> , 2004, 45, 4009-4015.	1.8	27
18	Lyotropic Hexagonal Ordering in Aqueous Media by Conjugated Hairy-Rod Supramolecules. <i>Macromolecules</i> , 2010, 43, 7549-7555.	2.2	25

#	ARTICLE	IF	CITATIONS
19	Dynamic Interactions between Poly(3-hexylthiophene) and Single-Walled Carbon Nanotubes in Marginal Solvent. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6038-6046.	1.2	25
20	Nematic Order Drives Macroscopic Patterns of Graphene Oxide in Drying Drops. <i>Langmuir</i> , 2014, 30, 14631-14637.	1.6	24
21	Polymer-Infused Aligned Carbon Nanotube Fibers by in situ Polymerization. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1936-1939.	2.0	22
22	Surface coatings of PEO- <i>b</i> -PPO- <i>b</i> -PEO block copolymers on native and polystyrene-coated silicon wafers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 246, 81-89.	2.3	21
23	Disclinations and Their Interactions in Thin Films of Side-Chain Liquid Crystalline Polymers. <i>Macromolecules</i> , 2004, 37, 390-396.	2.2	19
24	Hydrogen-Bonding-Directed Ordered Assembly of Carboxylated Poly(3-Alkylthiophene)s. <i>ACS Omega</i> , 2017, 2, 8526-8535.	1.6	19
25	Multi-Scale Assembly of Polythiophene-Surfactant Supramolecular Complexes for Charge Transport Anisotropy. <i>Macromolecules</i> , 2017, 50, 1047-1055.	2.2	18
26	Shaping Polymer Particles by Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2008, 29, 557-561.	2.0	17
27	Form Transcrystals of Poly(propylene) Induced by Individual Carbon Nanotubes. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1348-1354.	1.1	16
28	Synthesis and thermotropic liquid crystalline behaviour of novel poly(aryl ether ketone)s with a lateral methoxy group. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 649-655.	1.1	15
29	Effect of surface-modified zinc oxide nanowires on solution crystallization kinetics of poly(3-hexylthiophene). <i>Polymer</i> , 2014, 55, 2008-2013.	1.8	13
30	Sustainable and Repulpable Barrier Coatings for Fiber-Based Materials for Food Packaging: A Review. <i>Frontiers in Materials</i> , 0, 9, .	1.2	13
31	The synthesis and thermotropic liquid crystalline behavior of the novel poly(aryl ether ketone)s containing chloro-side group. <i>Polymer Bulletin</i> , 1997, 38, 621-625.	1.7	11
32	Nature of disclination cores in liquid crystals. <i>Liquid Crystals</i> , 2005, 32, 69-75.	0.9	10
33	Optical Microscopy Study for Director Patterns around Disclinations in Side-Chain Liquid Crystalline Polymer Films. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13195-13199.	1.2	10
34	Fluorine-containing linear block terpolymers: Synthesis and self-assembly in solution. <i>Journal of Polymer Science Part A</i> , 2011, 49, 414-422.	2.5	9
35	Anisotropic core-shell nanocomposites by direct covalent attachment of a side-functionalized poly(3-hexylthiophene) onto ZnO nanowires. <i>Polymer</i> , 2013, 54, 7004-7008.	1.8	9
36	Ring-Banded Spherulitic Crystals of Poly(3-butylthiophene) via Controlled Solvent Evaporation. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800204.	1.1	9

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37	Ordered Nanostructures of Carbon Nanotube-Polymer Composites from Lyotropic Liquid Crystal Templating. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800197.	1.1	9
38	Effect of crystal-disrupting chlorohydroquinone on the first-order transitions of poly(aryl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70.	2.0	8
39	Atomic Force Microscopy Study for Supramolecular Microstructures in Side-Chain Liquid Crystalline Polymer Films. <i>Langmuir</i> , 2005, 21, 3539-3543.	1.6	8
40	Solution-Based Large-Area Assembly of Coaxial Inorganic-Organic Hybrid Nanowires for Fast Ambipolar Charge Transport. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16397-16403.	4.0	8
41	Supramolecular Assembly of Oriented Spherulitic Crystals of Conjugated Polymers Surrounding Carbon Nanotube Fibers. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1900098.	2.0	8
42	Shear-Induced Spiral-Like Morphology of a Main-Chain Liquid Crystalline Poly(aryl ether ketone). <i>Macromolecular Rapid Communications</i> , 2001, 22, 1168.	2.0	7
43	Homoepitaxial Crystallization in Films of a Thermotropic Liquid Crystalline Chloro-Poly(aryl ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (met	1.1	6
44	Ordering-induced micro-bands in thin films of a main-chain liquid crystalline chloro-poly(aryl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 Td (met	1.8	6
45	Phase Separation and Organisation of Colloidal Spheres Suspended in Sheared Lyotropic Liquid-Crystalline Polymers. <i>Macromolecular Rapid Communications</i> , 2005, 26, 911-914.	2.0	6
46	Preliminary communication - The synthesis and thermotropic liquid crystalline behaviour of novel main chain poly(aryl ether ketone)s containing a lateral phenyl group. <i>Liquid Crystals</i> , 1998, 24, 311-314.	0.9	5
47	Thermally switchable thin films of an ABC triblock copolymer of poly(n-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (met	3.1	5
48	Self-assembly of supramolecular complexes of charged conjugated polymers and imidazolium-based ionic liquid crystals. <i>Giant</i> , 2022, 9, 100088.	2.5	5
49	Amyloid-intercalated graphene oxide membranes for enhanced nanofiltration. <i>Carbon Trends</i> , 2021, 5, 100135.	1.4	4
50	Formation of a metastable phase induced by a liquid crystalline phase in a novel chloropoly(aryl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 Td (met	2.8	3
51	Chromatic Conductive Polymer Nanocomposites of Poly (p-Phenylene Ethynylene)s and Single-Walled Carbon Nanotubes. <i>Journal of Composites Science</i> , 2021, 5, 158.	1.4	2
52	Photonic liquid crystals of graphene oxide for fast membrane nanofiltration. <i>Carbon Trends</i> , 2022, 7, 100150.	1.4	2
53	Title is missing!. <i>Journal of Materials Science Letters</i> , 1997, 16, 1813-1815.	0.5	1
54	Dynamic Gelation of Conductive Polymer Nanocomposites Consisting of Poly(3-hexylthiophene) and ZnO Nanowires. <i>Journal of Composites Science</i> , 2021, 5, 199.	1.4	1