

# Qi-Feng Zhou

## List of Publications by Year in descending order

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78  
papers

2,124  
citations

218677

26  
h-index

265206

42  
g-index

79  
all docs

79  
docs citations

79  
times ranked

1806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesogen-jacketed liquid crystalline polymers. <i>Chemical Society Reviews</i> , 2010, 39, 3072.	38.1	202
2	Synthesis and Characterization of A New Series of $\alpha$ -Mesogen-Jacketed Liquid Crystal Polymers Based on the Newly Synthesized Vinylterephthalic Acid. <i>Macromolecules</i> , 1999, 32, 5183-5185.	4.8	113
3	Reverse atom transfer radical polymerization of methyl methacrylate in room-temperature ionic liquids. <i>Journal of Polymer Science Part A</i> , 2003, 41, 143-151.	2.3	91
4	Surface modification of multiwalled carbon nanotubes via nitroxide-mediated radical polymerization. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4656-4667.	2.3	90
5	AB <sub>2</sub> -type amphiphilic block copolymers composed of poly(ethylene glycol) and poly( <i>N</i> -isopropylacrylamide) via single-electron transfer living radical polymerization: Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4420-4427.	2.3	70
6	Organic-inorganic hybrid bent-core liquid crystals with cubic silsesquioxane cores. <i>Journal of Materials Chemistry</i> , 2008, 18, 3481.	6.7	58
7	Water-soluble triply-responsive homopolymers of <i>N,N</i> -dimethylaminoethyl methacrylate with a terminal azobenzene moiety. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2564-2570.	2.3	56
8	Synthesis and characterization of a thermotropic liquid-crystalline poly[2,5-bis(4-alkoxycarbonylphenyl) styrene]. <i>Journal of Polymer Science Part A</i> , 2007, 45, 830-847.	2.3	50
9	Self-Assembled Nanostructures of Rod-Coil Diblock Copolymers with Different Rod Lengths. <i>Macromolecules</i> , 2003, 36, 6565-6569.	4.8	49
10	Water soluble multi-walled carbon nanotubes prepared via nitroxide-mediated radical polymerization. <i>Journal of Materials Chemistry</i> , 2006, 16, 4619.	6.7	48
11	Controlled grafting of ethyl cellulose with azobenzene-containing polymethacrylates via atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1653-1660.	2.3	48
12	Synthesis and characterization of mesogen-jacketed liquid-crystal polymers based on 2,5-bis(4-alkoxyphenyl)styrene. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1454-1464.	2.3	47
13	Effects of Mesogenic Shape and Flexibility on the Phase Structures of Mesogen-Jacketed Liquid Crystalline Polymers with Bent Side Groups Containing 1,3,4-Oxadiazole. <i>Macromolecules</i> , 2009, 42, 2542-2550.	4.8	45
14	Nitroxide-mediated "living" free radical synthesis of novel rod-coil diblock copolymers with polystyrene and mesogen-jacketed liquid-crystal polymer segments. <i>Polymer International</i> , 2000, 49, 243-247.	3.1	44
15	ABA-type amphiphilic triblock copolymers containing p-ethoxy azobenzene via atom transfer radical polymerization: Synthesis, characterization, and properties. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2225-2234.	2.3	40
16	Synthesis of a novel hybrid liquid-crystalline rod-coil diblock copolymer. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1799-1806.	2.3	38
17	Synthesis and properties of novel second-order NLO chromophores containing pyrrole as an auxiliary electron donor. <i>Journal of Materials Chemistry</i> , 2008, 18, 1756.	6.7	38
18	Synthesis and characterization of optically active helical vinyl polymers via free radical polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2408-2421.	2.3	37

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19	ABA type liquid crystalline triblock copolymers by combination of living cationic polymerization and ATRP: synthesis and self-assembly. <i>Soft Matter</i> , 2008, 4, 1230.	2.7	33
20	Competition between liquid crystallinity and block copolymer self-assembly in core-shell rod-coil block copolymers. <i>Soft Matter</i> , 2008, 4, 458-461.	2.7	32
21	Synthesis and characterization of bipolar copolymers containing oxadiazole and carbazole pendant groups and their application to electroluminescent devices. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5452-5460.	2.3	31
22	Design, synthesis, and characterization of a combined main-chain/side-chain liquid crystalline polymer based on mesogen-jacketed liquid crystal polymer via atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7310-7320.	2.3	31
23	Liquid crystalline polymers: Discovery, development, and the future. <i>Polymer</i> , 2020, 202, 122740.	3.8	31
24	Synthesis of a Novel ABC Triblock Copolymer with a Rigid-Rod Block via Atom Transfer Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2005, 26, 407-411.	3.9	30
25	Ordered nanostructures at two different length scales mediated by temperature: A triphenylene-containing mesogen-jacketed liquid crystalline polymer with a long spacer. <i>Journal of Polymer Science Part A</i> , 2014, 52, 295-304.	2.3	28
26	Influence of alkoxy tail length and unbalanced mesogenic core on phase behavior of mesogen-jacketed liquid crystalline polymers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 505-514.	2.3	27
27	Synthesis and properties of mesogen-jacketed liquid crystalline polymers containing biphenyl mesogen with asymmetric substitutions. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3207-3217.	2.3	27
28	Synthesis, characterisation and liquid crystal properties of 2,5-bis[5-alkyl(alkoxy)phenyl]-1,3,4-oxadiazole]bromobenzenes. <i>Liquid Crystals</i> , 2008, 35, 133-141.	2.2	26
29	Synthesis and Characterization of Helix-Coil Diblock Copolymers with Controlled Supramolecular Architectures in Aqueous Solution. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1241-1245.	3.9	24
30	Synthesis and Self-Assembly of Brush-Rod Diblock Copolymers in the Mixed Solvent of THF/H <sub>2</sub> O. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1883-1888.	3.9	24
31	Synthesis and properties of silicon-containing bismaleimide resins. <i>Journal of Applied Polymer Science</i> , 2008, 109, 190-199.	2.6	24
32	Synthesis of Amphiphilic Poly(ethylene oxide)-b-Poly(methyl methacrylate) Diblock Copolymers via Atom Transfer Radical Polymerization Utilizing Halide Exchange Technique. <i>Polymer Journal</i> , 2005, 37, 102-108.	2.7	23
33	Synthesis and chiroptical properties of optically active poly(N-propargylamide) bearing photoisomerizable azobenzene moieties. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6047-6054.	2.3	23
34	Jacketed polymers: Controlled synthesis of mesogen-jacketed polymers and block copolymers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 319-330.	2.3	23
35	Mesogen-jacketed liquid crystalline polymers: from molecular design to polymer light-emitting diode applications. <i>Polymer Chemistry</i> , 2012, 3, 1947.	3.9	23
36	Solvent-Induced Association and Micellization of Rod-Coil Diblock Copolymer. <i>Macromolecules</i> , 2009, 42, 4090-4098.	4.8	22

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37	Synthesis and Characterization of Novel Mesogen-Jacketed Liquid Crystalline Miktoarm Star Rod-Coil Block Copolymer. <i>Macromolecular Rapid Communications</i> , 2006, 27, 51-56.	3.9	21
38	Dendron-Jacketed Electrophosphorescent Copolymers: Improved Efficiency and Tunable Emission Color by Partial Energy Transfer. <i>Macromolecules</i> , 2011, 44, 9556-9564.	4.8	21
39	Synthesis of a novel liquid crystal rod-coil star block copolymer consisting of poly(methyl methacrylate) and poly(styrene) segments. <i>Journal of Polymer Science Part A</i> , 2005, 43, 733-741.	2.3	20
40	Title is missing!. <i>Journal of Polymer Research</i> , 2002, 9, 11-15.	2.4	19
41	A novel mesogen-jacketed liquid crystalline electroluminescent polymer with both thiophene and oxadiazole in conjugated side chain. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1502-1515.	2.3	19
42	Synthesis and characterization of novel rod-coil diblock copolymers of poly(methyl methacrylate) and liquid crystalline segments of poly(2,5-bis[(4-methoxyphenyl)oxycarbonyl] styrene). <i>Polymer International</i> , 2003, 52, 92-97.	3.1	18
43	Synthesis and properties of azobenzene-containing poly(1-alkyne)s with different functional pendant groups. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4532-4545.	2.3	18
44	Synthesis and characterization of 4-arm star side-chain liquid crystalline polymers containing azobenzene with different terminal substituents via ATRP. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3342-3348.	2.3	18
45	Preparation and properties of highly birefringent liquid crystalline materials: styrene monomers with acetylenes, naphthyl, and isothiocyanate groups. <i>Liquid Crystals</i> , 2010, 37, 453-462.	2.2	18
46	Poly(ethylene terephthalate) reinforced by N,N'-diphenyl biphenyl-3,3',4,4'-tetracarboxydiimide moieties. <i>Journal of Polymer Science Part A</i> , 2002, 40, 852-863.	2.3	16
47	Synthesis and Characterization of a novel star shaped Rod-Coil Block Copolymer. <i>Polymer Bulletin</i> , 2004, 52, 401-408.	3.3	16
48	Influence of molecular weight on liquid crystalline behavior of linear and star mesogen-jacketed liquid crystal polymers. <i>Journal of Polymer Science Part A</i> , 2005, 43, 3232-3244.	2.3	16
49	Single layer light-emitting diodes from copolymers comprised of mesogen-jacketed polymer containing oxadiazole units and PVK. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1843-1851.	2.3	16
50	Self-Assembly and Photoresponsivity Property of Amphiphilic ABA Triblock Copolymers Containing Azobenzene Moieties in Dilute Solution. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1556-1562.	2.2	16
51	Effect of the terminal substituent of azobenzene on the properties of ABA triblock copolymers via atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5190-5198.	2.3	14
52	Novel mesogen-jacketed poly(phenylenevinylene) derivatives bearing oxadiazole pendants: Design, synthesis, and optoelectronic properties. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7173-7186.	2.3	14
53	Bipolar copolymers comprised mesogen-jacketed polymer containing oxadiazole units and PVK as host materials for electroluminescent devices. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7861-7867.	2.3	14
54	Synthesis and properties of highly birefringent liquid crystalline materials: 2,5-bis(5-alkyl-2-butadinylthiophene-yl) styrene monomers. <i>Liquid Crystals</i> , 2009, 37, 69-76.	2.2	14

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55	Synthesis and thermal behavior of new poly(ethylene terephthalate-imide)s. <i>Journal of Polymer Science Part A</i> , 2001, 39, 408-415.	2.3	13
56	Copolymers of 2,5-bis[(4-methoxyphenyl) oxycarbonyl]styrene with styrene and methyl methacrylate: Synthesis, monomer reactivity ratios, thermal properties, and liquid crystalline behavior. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2666-2674.	2.3	13
57	Bulk self-assembly and ionic conductivity of a block copolymer containing an azobenzene-based liquid crystalline polymer and a poly(ionic liquid). <i>Polymer Chemistry</i> , 2017, 8, 1689-1698.	3.9	13
58	Fabrication of Ag nanoparticle-encapsulating multilayer films based on PAMAM dendrimers with covalent interlayer linkages. <i>Journal of Applied Polymer Science</i> , 2003, 89, 1515-1519.	2.6	12
59	Amphiphilic mesogen-jacketed liquid crystalline polymers: Design, synthesis, and self-assembly behaviors. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1792-1800.	2.3	12
60	ABA-type liquid crystalline triblock copolymers via nitroxide-mediated radical polymerization: Design, synthesis, and morphologies. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5949-5956.	2.3	11
61	One-pot synthesis of hyperbranched poly(aryl ether ketone)s for the modification of bismaleimide resins. <i>Polymer Engineering and Science</i> , 2014, 54, 1675-1685.	3.1	11
62	The Synthesis and Property of Liquid Crystalline 4-Alkoxy-4'-Cyano- <i>p</i> -Terphenyls. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 339, 145-158.	0.3	10
63	Synthesis, characterization, and electroluminescence of novel copolyfluorenes and their applications in white light emission. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4555-4565.	2.3	10
64	Tailoring the liquid crystalline property via controlling the generation of dendronized polymers containing azobenzene mesogen. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1149-1159.	2.3	9
65	Copolymers of 2,5-bis[(4-methoxyphenyl) oxycarbonyl]styrene with <i>n</i> -butyl acrylate: Design, synthesis, and characterization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5935-5943.	2.3	8
66	Synthesis and characterization of graft copolymers containing poly( <i>p</i> -phenylene) main chains and mesogen-jacketed liquid-crystalline polystyrene side chains. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2543-2555.	2.3	8
67	Influence of fluorinated substituent and terminal length on phase behavior of mesogen-jacketed liquid crystalline polymers with a biphenyl mesogen. <i>Journal of Polymer Science Part A</i> , 2013, 51, 557-564.	2.3	7
68	Special positive birefringence properties of mesogen-jacketed liquid crystalline polymer films for optical compensators. <i>Polymer Chemistry</i> , 2010, 1, 430-433.	3.9	6
69	Electroluminescent block copolymers containing oxadiazole and thiophene via ATRP. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5670-5678.	2.3	5
70	Dumbbell-shaped Carbosilane Dendrimers Based on 1,6-Hexanediol. <i>Chinese Journal of Chemistry</i> , 2005, 23, 11-13.	4.9	4
71	A novel pentaerythritol-based carbosilane liquid crystalline dendrimer containing 12 nitroazobenzene groups on the periphery. <i>Chinese Journal of Chemistry</i> , 2010, 22, 1034-1038.	4.9	4
72	Enhancing ionic conductivity in tablet "bottlebrush" block copolymer electrolytes with well-aligned nanostructures via solvent vapor annealing. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4247-4256.	5.5	4

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73	Synthesis and ordered aggregation in water of a blue light-emitting PEO-PHP-PEO triblock oligomer. Science Bulletin, 2003, 48, 1525-1530.	1.7	3
74	Sub-5 nm homeotropically aligned columnar structures of hybrids constructed by porphyrin and oligo(dimethylsiloxane). Chemical Communications, 2021, 58, 108-111.	4.1	3
75	Synthesis and property of shishâ€kebab type liquid crystalline polymers with chiral carbons. Macromolecular Symposia, 1997, 118, 183-188.	0.7	2
76	Restudy of the unusual phase behavior of the mesogen-jacketed liquid crystal polymers. Science in China Series B: Chemistry, 2006, 49, 116-125.	0.8	2
77	Foreword for PAC special issue 4 <sup>th</sup> International Conference on the Periodic Table (Mendeleev 150). Pure and Applied Chemistry, 2019, 91, 1893-1895.	1.9	0
78	Winners of the 2020 IUPAC-SOLVAY International Award for Young Chemists. Pure and Applied Chemistry, 2021, 93, 167-168.	1.9	0