

# Xiaohong Cheng

## List of Publications by Year in descending order

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74  
papers

1,730  
citations

279701

23  
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75  
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75  
docs citations

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times ranked

1397  
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#	ARTICLE	IF	CITATIONS
1	Rodlike 4,6-diamino-1,3,5-triazine derivatives, effect of the core length on mesophase behavior and their application as LE-LCD device. <i>Journal of Molecular Liquids</i> , 2022, 346, 117879.	2.3	3
2	Molecular design directs self-assembly of DPP polycatenars into 2D and 3D complex nanostructures. <i>Journal of Molecular Liquids</i> , 2022, 351, 118605.	2.3	0
3	Facile synthesis of pillar[5]arene liquid crystals with formation of layer and tubular columnar phases. <i>Phase Transitions</i> , 2022, 95, 398-405.	0.6	3
4	Solvent Coadsorption Effect on I <sup>+</sup> -O Halogen-Bonded 2D Self-Assembled Nanostructures. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5777-5783.	1.5	11
5	Chain-Length- and Concentration-Dependent Isomerization of Bithiophenyl-Based Diaminotriazine Derivatives in Two-Dimensional Polymorphic Self-Assembly. <i>Langmuir</i> , 2022, 38, 7005-7012.	1.6	10
6	Benzo[1,2-b:4,3-b']dithiophene-pyridine isomers: Synthesis, self-assembly, photophysical and acidochromic properties. <i>Dyes and Pigments</i> , 2022, 205, 110490.	2.0	2
7	Alkyl chain length regulated diverse 2D polymorphic self-assembly of benzothiadiazole-based $\pi$ -conjugated fluorophore. <i>Applied Surface Science</i> , 2022, 599, 153887.	3.1	7
8	Amphiphilic benzothiadiazole derivatives: synthesis, self-assembly and applications as light-emitting liquid crystal display and switchable anisotropic scattering device. <i>Journal of Molecular Liquids</i> , 2022, , 119832.	2.3	0
9	Self-assembly of bistriazole BDT based bolaamphiphiles into SmA phase and helical organogels. <i>Journal of Molecular Liquids</i> , 2021, 325, 114521.	2.3	7
10	Solvent-Dependent Molecular Isomerization and 2D Self-Assembled Phase Transitions of Benzothiadiazole-Based $\pi$ -Conjugated Fluorophore. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19325-19332.	1.5	11
11	Thiophene-benzothiadiazole based donor-acceptor-donor (D-A-D) bolaamphiphiles, self-assembly and photophysical properties. <i>Supramolecular Chemistry</i> , 2021, 33, 174-182.	1.5	4
12	Dual C(sp <sup>3</sup> )-H Functionalization of Cyclic Ethers via Singlet Oxygen-Mediated Ring Opening and Ring Closing. <i>Organic Letters</i> , 2021, 23, 8267-8272.	2.4	6
13	Frustration between two- and three-dimensional smectic ordering leads to a biaxial nematic phase. <i>Soft Matter</i> , 2020, 16, 747-753.	1.2	0
14	AIE active TPE mesogens with p6mm columnar and Im3m cubic mesophases and white light emission property. <i>Journal of Molecular Liquids</i> , 2020, 298, 112079.	2.3	10
15	Self-assembled star-shaped aza-BODIPY mesogen affords white-light emission. <i>New Journal of Chemistry</i> , 2020, 44, 102-109.	1.4	16
16	Template-assisted 2D self-assembled chiral Kagomé network for selective adsorption of coronene. <i>Chemical Communications</i> , 2020, 56, 13991-13994.	2.2	12
17	Liquid Organic Frameworks: The Single-Network $\alpha$ -Plumber's Nightmare-Bicontinuous Cubic Liquid Crystal. <i>Journal of the American Chemical Society</i> , 2020, 142, 3296-3300.	6.6	31
18	Concentration-Dependent Conformational Isomerization of Fluorenone-Based Polycatenar in 2D Polymorphic Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25396-25402.	1.5	11

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19	±-Cyanostilbene and fluorene based bolaamphiphiles: synthesis, self-assembly, and AIEE properties with potential as white-light emissive materials and light-emitting liquid crystal displays. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17474-17481.	2.7	7
20	Tailoring liquid crystal honeycombs by head-group choice in bird-like bent-core mesogens. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8069-8076.	2.7	4
21	Azobenzene-based asymmetric bolaamphiphiles: Formation of LC phases with honeycomb structures and gels with helical structures. <i>Journal of Molecular Liquids</i> , 2019, 293, 111417.	2.3	10
22	Bolapolyphiles Click Reaction: Effect of Flexible Polyaromatic Backbone Involving Polar Hydrogen Bonding Units on Their Self-assembly. <i>ChemistrySelect</i> , 2019, 4, 10674-10680.	0.7	5
23	Benzothiadiazole-based bolaamphiphiles: synthesis, self-assembly and white-light emissive properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1237-1245.	2.7	24
24	Bisthiophene/triazole based 4,6-diamino-1,3,5-triazine triblock polyphiles: Synthesis, self-assembly and metal binding properties. <i>Journal of Molecular Structure</i> , 2019, 1193, 294-302.	1.8	9
25	Effect of the linkages on the self-assembly and photophysical properties of 4,7-diphenyl-2,1,3-benzothiadiazole-based luminescent polycatenars. <i>Journal of Molecular Liquids</i> , 2019, 286, 110844.	2.3	17
26	Control the self-assembly of fluorenone-based polycatenars by tuning chain length. <i>Tetrahedron</i> , 2019, 75, 409-415.	1.0	9
27	Syntheses and Properties of meso-Substituted Porphyrin Mesogens with Triazole Linkages and Peripheral Alkyl Chains. <i>Chemistry - an Asian Journal</i> , 2018, 13, 536-544.	1.7	11
28	Synthesis, self-assembly, metal binding properties of triazole azobenzene based polycatenar dyes through click chemistry. <i>Dyes and Pigments</i> , 2018, 149, 512-520.	2.0	16
29	Trigonal columnar self-assembly of bent phasmid mesogens. <i>Chemical Communications</i> , 2018, 54, 156-159.	2.2	10
30	Polycatenar bent-shaped liquid crystals with columnar and cubic phases: Synthesis multi-responsive organogels and chemosensors. <i>Journal of Molecular Liquids</i> , 2018, 249, 723-731.	2.3	20
31	Control of supramolecular nanoassemblies by tuning the polarities of linkages and solvents. <i>Journal of Molecular Liquids</i> , 2018, 272, 1-7.	2.3	14
32	Coumarin-based emissive hexacatenars: synthesis, 2D and 3D self-assembly and photodimerization. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10782-10792.	2.7	31
33	Mesogenic A fluorophores based on cyanovinyl and benzothiadiazole. <i>New Journal of Chemistry</i> , 2018, 42, 16709-16716.	1.4	11
34	Self-assembly, conductivity and chemosensor behavior of biphenylsulfone based Janus polycatenar. <i>Journal of Molecular Liquids</i> , 2018, 264, 691-698.	2.3	6
35	Estimating the In-Plane Magnetic Anisotropy and Saturation Magnetization of Magnetic Films. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-6.	1.2	5
36	Synthesis and self-assembly of photoresponsive and luminescent polycatenar liquid crystals incorporating an azobenzene unit interconnecting two 1,3,4-thiadiazoles. <i>New Journal of Chemistry</i> , 2017, 41, 2004-2012.	1.4	46

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37	Static and Dynamic Properties of Nanowire/Permalloy Composite Films. IEEE Magnetics Letters, 2017, 8, 1-5.	0.6	1
38	Synthesis, liquid-crystalline, photophysical and chemosensor properties of oxadiazole/thiadiazole-based amphiphiles with glycerol groups. Journal of Molecular Liquids, 2017, 244, 360-367.	2.3	15
39	Synthesis and self-assembly of bent core polycatenar mesogens with binding selectivity to Hg <sup>2+</sup> . New Journal of Chemistry, 2017, 41, 8443-8450.	1.4	13
40	Benzothiadiazole-based D- $\pi$ -A- $\pi$ -D fluorophores: Synthesis, self-assembly, thermal and photophysical characterization. Dyes and Pigments, 2017, 147, 190-198.	2.0	42
41	Self-assembly, AIEE and mechanochromic properties of amphiphilic $\pi$ -cyanostilbene derivatives. Tetrahedron, 2017, 73, 5253-5259.	1.0	21
42	Reversible photoresponsive chiral liquid crystal and multistimuli responsive organogels based on a cholesterol-azobenzene dimesogen. RSC Advances, 2016, 6, 20021-20026.	1.7	27
43	Synthesis and self-assembly of luminescent hexacatenar molecules incorporating a 4,7-diphenyl-2,1,3-benzothiadiazole core. RSC Advances, 2016, 6, 21387-21395.	1.7	33
44	Synthesis and self-assembly of 5,5'-bis(phenylethynyl)-2,2'-bithiophene-based bolapolyphiles in triangular and square LC honeycombs. Journal of Materials Chemistry C, 2015, 3, 1301-1308.	2.7	15
45	Tolane-based bent bolaamphiphiles forming liquid crystalline hexagonal honeycombs with trigonal symmetry. New Journal of Chemistry, 2015, 39, 2060-2066.	1.4	6
46	Amphotropic azobenzene derivatives with oligooxyethylene and glycerol based polar groups. Journal of Materials Chemistry C, 2015, 3, 11202-11211.	2.7	26
47	Hexagonal columnar mesophases of polycatenar <i>para</i> -phenylene connected bis-oxadiazole-based liquid crystals. Liquid Crystals, 2013, 40, 1028-1034.	0.9	25
48	Liquid crystalline 2-thienyl-4,6-diamino-1,3,5-triazines exhibiting Im3̄ <sub>1</sub> ,m and Pm3̄ <sub>1</sub> ,n micellar cubic phases in an inverted sequence. Chemical Communications, 2013, 49, 10617.	2.2	22
49	Synthesis and characterization of room temperature columnar mesogens of cyclotriphosphazene with Schiff base units. Journal of Materials Chemistry C, 2013, 1, 7148.	2.7	27
50	A bolaamphiphilic sexithiophene with liquid crystalline triangular honeycomb phase. Chemical Communications, 2013, 49, 1756.	2.2	26
51	Transition between triangular and square tiling patterns in liquid-crystalline honeycombs formed by tetrathiophene-based bolaamphiphiles. Chemical Science, 2013, 4, 3317.	3.7	36
52	Triblock Polyphiles through Click Chemistry: Self-Assembled Thermotropic Cubic Phases Formed by Micellar and Monolayer Vesicular Aggregates. Chemistry - A European Journal, 2013, 19, 16303-16313.	1.7	37
53	Ionic Bent Shape Ternary Facial Amphiphiles. Chinese Journal of Chemistry, 2013, 31, 839-844.	2.6	2
54	Dithiophene based X-shaped bolaamphiphiles: liquid crystals with single wall honeycombs and geometric frustration. Soft Matter, 2012, 8, 10921.	1.2	21

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55	Columnar mesophases of luminescent polycatenar liquid crystals incorporating a 1,3-substituted benzene ring interconnecting two 1,3,4-oxadiazoles. <i>RSC Advances</i> , 2012, 2, 2842.	1.7	58
56	Synthesis and Mesophase Behavior of Phenylthiophene Based Amphiphilic Molecules. <i>Chinese Journal of Chemistry</i> , 2012, 30, 577-584.	2.6	3
57	Effect of central linkages on mesophase behavior of imidazolium-based rod-like ionic liquid crystals. <i>Soft Matter</i> , 2012, 8, 2274.	1.2	23
58	Influence of Flexible Spacers on Liquid-Crystalline Self-Assembly of T-Shaped Bolaamphiphiles. <i>Journal of the American Chemical Society</i> , 2011, 133, 7872-7881.	6.6	40
59	Direct observation of two-dimensional nematic and smectic ordering in freely suspended films of a bolaamphiphilic liquid crystal. <i>Soft Matter</i> , 2011, 7, 9978.	1.2	11
60	Hydrogen Bonded Supramolecular Liquid Crystalline Complex of 2,4,6-Triarylamino-1,3,5-Triazines with Semiperfluorinated Benzoic Acids. <i>Chinese Journal of Chemistry</i> , 2010, 28, 1957-1962.	2.6	10
61	Self-Assembly of Imidazolium-Based Rodlike Ionic Liquid Crystals: Transition from Lamellar to Micellar Organization. <i>Chemistry - A European Journal</i> , 2010, 16, 4588-4601.	1.7	85
62	Synthesis and mesomorphic behaviour of new 5-substituted 4-(thien-2-yl)phenyl benzoates. <i>Liquid Crystals</i> , 2009, 36, 61-66.	0.9	6
63	Synthesis and Mesophase Behavior of Rod Like Phenylene Thiophene Based Polyhydroxy Amphiphiles. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1942-1946.	2.6	0
64	Liquid-Crystalline Triangle Honeycomb Formed by a Dithiophene-Based X-Shaped Bolaamphiphile. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8014-8017.	7.2	49
65	Specific DNA G-quadruplexes bind to ethanolamines. <i>Biopolymers</i> , 2009, 91, 874-883.	1.2	27
66	A label-free fluorescence sensor for probing the interaction of oligonucleotides with target molecules. <i>Analytica Chimica Acta</i> , 2009, 633, 97-102.	2.6	19
67	General Peroxidase Activity of G-Quadruplex-Hemin Complexes and Its Application in Ligand Screening. <i>Biochemistry</i> , 2009, 48, 7817-7823.	1.2	233
68	Synthesis of arylenealkyne conjugated macrocycles containing a long alkylene bridge. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 88-93.	0.4	0
69	Polygonal Cylinder Phases of 3-Alkyl-2,5-diphenylthiophene-Based Bolaamphiphiles: Changing Symmetry by Retaining Net Topology. <i>Chemistry of Materials</i> , 2008, 20, 4729-4738.	3.2	30
70	Synthesis and mesophase behaviour of rigid rod-like phenylthiophene-based amphiphilic diol derivatives. <i>Liquid Crystals</i> , 2008, 35, 1237-1249.	0.9	9
71	Liquid Crystalline Bolaamphiphiles with Semiperfluorinated Lateral Chains: A Competition between Layerlike and Honeycomb-Like Organization. <i>Journal of the American Chemical Society</i> , 2004, 126, 12930-12940.	6.6	88
72	Calamitic Bolaamphiphiles with (Semi)Perfluorinated Lateral Chains: A Polyphilic Block Molecules with New Liquid Crystalline Phase Structures. <i>Journal of the American Chemical Society</i> , 2003, 125, 10977-10996.	6.6	157

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73	Influence of Semiperfluorinated Chains on the Liquid Crystalline Properties of Amphiphilic Polyols:Â Novel Materials with Thermotropic Lamellar, Columnar, Bicontinuous Cubic, and Micellar Cubic Mesophases. Langmuir, 2002, 18, 6521-6529.	1.6	77
74	Amphiphilic $\hat{\pm}$ -cyanostilbene mesogens with oligooxyethylene polar tails: syntheses and properties. Soft Materials, 0, , 1-11.	0.8	0