

Xiaohong Cheng

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	General Peroxidase Activity of G-Quadruplex ⁺ Hemin Complexes and Its Application in Ligand Screening. <i>Biochemistry</i> , 2009, 48, 7817-7823.	1.2	233
2	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
3	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
4	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
5	Influence of Semiperfluorinated Chains on the Liquid Crystalline Properties of Amphiphilic Polyols: A Novel Materials with Thermotropic Lamellar, Columnar, Bicontinuous Cubic, and Micellar Cubic Mesophases. <i>Langmuir</i> , 2002, 18, 6521-6529.	1.6	77
6	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
7	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
8	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
9	Benzothiadiazole-based D- π -A- π -D fluorophores: Synthesis, self-assembly, thermal and photophysical characterization. <i>Dyes and Pigments</i> , 2017, 147, 190-198.	2.0	42
10	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
11	Triblock Polyphiles through Click Chemistry: Self-Assembled Thermotropic Cubic Phases Formed by Micellar and Monolayer Vesicular Aggregates. <i>Chemistry - A European Journal</i> , 2013, 19, 16303-16313.	1.7	37
12	Transition between triangular and square tiling patterns in liquid-crystalline honeycombs formed by tetrathiophene-based bolaamphiphiles. <i>Chemical Science</i> , 2013, 4, 3317.	3.7	36
13	Synthesis and self-assembly of luminescent hexacatenar molecules incorporating a 4,7-diphenyl-2,1,3-benzothiadiazole core. <i>RSC Advances</i> , 2016, 6, 21387-21395.	1.7	33
14	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
15	Liquid Organic Frameworks: The Single-Network α -Plumber TM 's Nightmare TM -Bicontinuous Cubic Liquid Crystal. <i>Journal of the American Chemical Society</i> , 2020, 142, 3296-3300.	6.6	31
16	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
17	Specific DNA G-quadruplexes bind to ethanolamines. <i>Biopolymers</i> , 2009, 91, 874-883.	1.2	27
18	Synthesis and characterization of room temperature columnar mesogens of cyclotriphosphazene with Schiff base units. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7148.	2.7	27

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19	Reversible photoresponsive chiral liquid crystal and multistimuli responsive organogels based on a cholesterol-azobenzene dimesogen. <i>RSC Advances</i> , 2016, 6, 20021-20026.	1.7	27
20	A bolaamphiphilic sexithiophene with liquid crystalline triangular honeycomb phase. <i>Chemical Communications</i> , 2013, 49, 1756.	2.2	26
21	Amphotropic azobenzene derivatives with oligooxyethylene and glycerol based polar groups. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11202-11211.	2.7	26
22	Hexagonal columnar mesophases of polycatenar <i>para</i> -phenylene connected bis-oxadiazole-based liquid crystals. <i>Liquid Crystals</i> , 2013, 40, 1028-1034.	0.9	25
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	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
25	Liquid crystalline 2-thienyl-4,6-diamino-1,3,5-triazines exhibiting $Im\bar{3}l_m$ and $Pm\bar{3}l_n$ micellar cubic phases in an inverted sequence. <i>Chemical Communications</i> , 2013, 49, 10617.	2.2	22
26	Dithiophene based X-shaped bolaamphiphiles: liquid crystals with single wall honeycombs and geometric frustration. <i>Soft Matter</i> , 2012, 8, 10921.	1.2	21
27	Self-assembly, AIEE and mechanochromic properties of amphiphilic $\hat{\pm}$ -cyanostilbene derivatives. <i>Tetrahedron</i> , 2017, 73, 5253-5259.	1.0	21
28	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
29	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
30	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
31	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
32	Self-assembled star-shaped aza-BODIPY mesogen affords white-light emission. <i>New Journal of Chemistry</i> , 2020, 44, 102-109.	1.4	16
33	Synthesis and self-assembly of 5,5'-bis(phenylethynyl)-2,2'-bithiophene-based bolapolyphiles in triangular and square LC honeycombs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1301-1308.	2.7	15
34	Synthesis, liquid-crystalline, photophysical and chemosensor properties of oxadiazole/thiadiazole-based amphiphiles with glycerol groups. <i>Journal of Molecular Liquids</i> , 2017, 244, 360-367.	2.3	15
35	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
36	Synthesis and self-assembly of bent core polycatenar mesogens with binding selectivity to Hg^{2+} . <i>New Journal of Chemistry</i> , 2017, 41, 8443-8450.	1.4	13

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37	Template-assisted 2D self-assembled chiral KagomÃ© network for selective adsorption of coronene. <i>Chemical Communications</i> , 2020, 56, 13991-13994.	2.2	12
38	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
39	Syntheses and Properties of <i>i</i> -meso-Substituted Porphyrin Mesogens with Triazole Linkages and Peripheral Alkyl Chains. <i>Chemistry - an Asian Journal</i> , 2018, 13, 536-544.	1.7	11
40	Mesogenic Dâ€A fluorophores based on cyanovinyl and benzothiadiazole. <i>New Journal of Chemistry</i> , 2018, 42, 16709-16716.	1.4	11
41	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
42	Solvent-Dependent Molecular Isomerization and 2D Self-Assembled Phase Transitions of Benzothiadiazole-Based Î€-Conjugated Fluorophore. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19325-19332.	1.5	11
43	Solvent Coadsorption Effect on IÃ-Ã-O Halogen-Bonded 2D Self-Assembled Nanostructures. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5777-5783.	1.5	11
44	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
45	Trigonal columnar self-assembly of bent phasmid mesogens. <i>Chemical Communications</i> , 2018, 54, 156-159.	2.2	10
46	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
47	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
48	Chain-Length- and Concentration-Dependent Isomerization of Bithiophenyl-Based Diaminotriazine Derivatives in Two-Dimensional Polymorphic Self-Assembly^Å. <i>Langmuir</i> , 2022, 38, 7005-7012.	1.6	10
49	Synthesis and mesophase behaviour of rigid rod-like phenylthiophene-based amphiphilic diol derivatives. <i>Liquid Crystals</i> , 2008, 35, 1237-1249.	0.9	9
50	Bithiophene/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
51	Control the self-assembly of fluorenone-based polycatenars by tuning chain length. <i>Tetrahedron</i> , 2019, 75, 409-415.	1.0	9
52	Î±-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
53	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
54	Alkyl chain length regulated diverse 2D polymorphic self-assembly of benzothiadiazole-based Î€-conjugated fluorophore. <i>Applied Surface Science</i> , 2022, 599, 153887.	3.1	7

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55	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
56	Tolane-based bent bolaamphiphiles forming liquid crystalline hexagonal honeycombs with trigonal symmetry. <i>New Journal of Chemistry</i> , 2015, 39, 2060-2066.	1.4	6
57	Self-assembly, conductivity and chemosensor behavior of biphenylsulfone based Janus polycatenar. <i>Journal of Molecular Liquids</i> , 2018, 264, 691-698.	2.3	6
58	Dual C(sp ³)-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
59	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
60	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
61	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
62	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
63	Synthesis and Mesophase Behavior of Phenylthiophene Based Amphiphilic Molecules. <i>Chinese Journal of Chemistry</i> , 2012, 30, 577-584.	2.6	3
64	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
65	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
66	Ionic Bent Shape Ternary Facial Amphiphiles. <i>Chinese Journal of Chemistry</i> , 2013, 31, 839-844.	2.6	2
67	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
68	Static and Dynamic Properties of Nanowire/Permalloy Composite Films. <i>IEEE Magnetics Letters</i> , 2017, 8, 1-5.	0.6	1
69	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
70	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
71	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
72	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

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73	Amphiphilic $\hat{\pm}$ -cyanostilbene mesogens with oligooxyethylene polar tails: syntheses and properties. <i>Soft Materials</i> , 0, , 1-11.	0.8	0
74	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