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List of Publications by Year
in descending order

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54 papers	1,442 citations	257357 24 h-index	360920 35 g-index
56 all docs	56 docs citations	56 times ranked	602 citing authors

#	Article	IF	Citations
1	Novel green synthetic approach for liquid crystalline materials using multi-component reactions. Journal of Molecular Liquids, 2022, 346, 118244.	2.3	4
2	The influences of lateral groups on 4-cyanobiphenyl-benzonitrile- based dimers. Liquid Crystals, 2022, 49, 217-229.	0.9	2
3	Controlling ambidextrous mirror symmetry breaking in photosensitive supramolecular polycatenars by alkyl-chain engineering. Journal of Molecular Liquids, 2022, 351, 118597.	2.3	7
4	Hockey-Stick Polycatenars: Network formation and transition from one dimensional to three-dimensional liquid crystalline phases. Journal of Molecular Liquids, 2022, 351, 118613.	2.3	3
5	Supramolecular meso-Trick: Ambidextrous Mirror Symmetry Breaking in a Liquid Crystalline Network with Tetragonal Symmetry. Journal of the American Chemical Society, 2022, 144, 6936-6945.	6.6	15
6	Controlling liquid and liquid crystalline network formation by core-fluorination of hydrogen bonded supramolecular polycatenars. Journal of Molecular Liquids, 2021, 332, 115870.	2.3	14
7	Mirror Symmetry Breaking and Network Formation in Achiral Polycatenars with Thioether Tail. Chemistry - A European Journal, 2021, 27, 14921-14930.	1.7	17
8	Azobenzene-based polycatenars: Investigation on photo switching properties and optical storage devices. Journal of Molecular Liquids, 2021, 341, 117341.	2.3	7
9	Stereochemical Rules Govern the Soft Selfâ€Assembly of Achiral Compounds: Understanding the Heliconical Liquidâ€Crystalline Phases of Bentâ€Core Mesogens. Chemistry - A European Journal, 2020, 26, 4714-4733.	1.7	23
10	Cybotactic nematic phases with wide ranges in photoresponsive polycatenars. Liquid Crystals, 2020, 47, 939-949.	0.9	9
11	2,3,4-Trihydroxy benzonitrile-based liquid crystals: Fiber forming room temperature nematic phases. Journal of Molecular Liquids, 2020, 317, 114244.	2.3	12
12	Y-shaped tricatenar azobenzenes â€“ functional liquid crystals with synclinicâ€“anticlinic transitions and spontaneous helix formation. Journal of Materials Chemistry C, 2020, 8, 12902-12916.	2.7	13
13	Photomanipulation of the Mechanical Properties in a Liquid Crystal with Azoâ€Containing Bentâ€Core Mesogens. ChemPhotoChem, 2020, 4, 5288-5295.	1.5	5
14	Molecular Packing in Double Gyroid Cubic Phases Revealed via Resonant Soft X-Ray Scattering. Physical Review Letters, 2020, 125, 027801.	2.9	29
15	Effective tuning of optical storage devices using photosensitive bent-core liquid crystals. Journal of Molecular Liquids, 2020, 304, 112719.	2.3	22
16	Controlling the formation of heliconical smectic phases by molecular design of achiral bent-core molecules. Journal of Materials Chemistry C, 2020, 8, 3316-3336.	2.7	9
17	Azobenzene-based supramolecular liquid crystals: The role of core fluorination. Journal of Molecular Liquids, 2020, 310, 113252.	2.3	13
18	Nematic phases driven by hydrogen-bonding in liquid crystalline nonsymmetric dimers. Liquid Crystals, 2019, 46, 124-130.	0.9	20

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19	Polar Order, Mirror Symmetry Breaking, and Photoswitching of Chirality and Polarity in Functional Bentâ€Core Mesogens. Chemistry - A European Journal, 2019, 25, 6362-6377.	1.7	31
20	Liquid crystalline self-assembly of 2,5-diphenyl-1,3,4-oxadiazole based bent-core molecules and the influence of carbosilane end-groups. Journal of Materials Chemistry C, 2019, 7, 3064-3081.	2.7	26
21	Wide nematic phases induced by hydrogen-bonding. Liquid Crystals, 2019, 46, 550-559.	0.9	37
22	Photoresponsive halogen bonded polycatenar liquid crystals. Journal of Molecular Liquids, 2019, 277, 233-240.	2.3	38
23	Investigation of the heliconical smectic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SmC</mml:mi><mml:mi>S</mml:mi></mml:msub><mml:mo></mml:mo><mml:mi mathvariant="normal">P</mml:mi><mml:mrow><mml:mi>F</mml:mi></mml:mrow><mml:mrow><mml:mi>h</mml:mi><mml:mi>e</mml:mi> phase in achiral bent-core mesogens derived from 4-cyanoresorcinol. Physical Review Materials, 2019, 3, .	2.9	10
24	Emergence of polar order and tilt in terephthalate based bent-core liquid crystals. Physical Chemistry Chemical Physics, 2017, 19, 5895-5905.	1.3	19
25	Development of Polar Order by Liquidâ€Crystal Selfâ€Assembly of Weakly Bent Molecules. Chemistry - A European Journal, 2017, 23, 5541-5556.	1.7	34
26	Isothermal Chirality Switching in Liquidâ€Crystalline Azobenzene Compounds with Nonâ€Polarized Light. Angewandte Chemie, 2017, 129, 10941-10945.	1.6	13
27	Isothermal Chirality Switching in Liquidâ€Crystalline Azobenzene Compounds with Nonâ€Polarized Light. Angewandte Chemie - International Edition, 2017, 56, 10801-10805.	7.2	45
28	Photosensitive bent-core liquid crystals based on methyl substituted 3-hydroxybenzoic acid. RSC Advances, 2017, 7, 35805-35813.	1.7	9
29	Cluster phases of 4-cyanoresorcinol derived hockey-stick liquid crystals. Journal of Materials Chemistry C, 2017, 5, 8454-8468.	2.7	23
30	Cybotactic nematic phases of photoisomerisable hockey-stick liquid crystals. Liquid Crystals, 2017, 44, 729-737.	0.9	25
31	Azobenzene-containing bent-core liquid crystals: an overview. Liquid Crystals, 2016, 43, 2208-2243.	0.9	90
32	Mirror symmetry breaking in fluorinated bent-core mesogens. RSC Advances, 2016, 6, 82890-82899.	1.7	25
33	Mirror symmetry breaking in cubic phases and isotropic liquids driven by hydrogen bonding. Chemical Communications, 2016, 52, 13869-13872.	2.2	43
34	Helical Nanoâ€crystallite (HNC) Phases: Chirality Synchronization of Achiral Bentâ€Core Mesogens in a New Type of Dark Conglomerates. Chemistry - A European Journal, 2016, 22, 6583-6597.	1.7	59
35	Development of Polar Order in the Liquid Crystal Phases of a 4â€Cyanoresorcinolâ€Based Bentâ€Core Mesogen with Fluorinated Azobenzene Wings. ChemPhysChem, 2016, 17, 278-287.	1.0	28
36	Spontaneous Mirrorâ€Symmetry Breaking in Isotropic Liquid Phases of Photoisomerizable Achiral Molecules. Angewandte Chemie - International Edition, 2016, 55, 312-316.	7.2	36

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37	New azobenzene containing bent-core liquid crystals based on disubstituted resorcinol. Liquid Crystals, 2014, 41, 126-136.	0.9	37
38	4â€Cyanoresorcinolâ€Based Bentâ€Core Mesogens with Azobenzene Wings: Emergence of Sterically Stabilized Polar Order in Liquid Crystalline Phases. Advanced Functional Materials, 2014, 24, 1703-1717.	7.8	62
39	Development of polar order and tilt in lamellar liquid crystalline phases of a bent-core mesogen. Soft Matter, 2014, 10, 5003-5016.	1.2	20
40	4-Methylresorcinol based bent-core liquid crystals with azobenzene wings â€“ a new class of compounds with dark conglomerate phases. Journal of Materials Chemistry C, 2014, 2, 5487-5501.	2.7	56
41	Dark conglomerate phases of azobenzene derived bent-core mesogens â€“ relationships between the molecular structure and mirror symmetry breaking in soft matter. Soft Matter, 2014, 10, 7285-7296.	1.2	48
42	A new room temperature dark conglomerate mesophase formed by bent-core molecules combining 4-iodoresorcinol with azobenzene units. Chemical Communications, 2013, 49, 11062.	2.2	30
43	Influence of halogen substituent on the mesomorphic properties of five-ring banana-shaped molecules with azobenzene wings. Liquid Crystals, 2013, 40, 656-668.	0.9	54
44	A Liquid Crystalline Phase with Uniform Tilt, Local Polar Order and Capability of Symmetry Breaking. Advanced Materials, 2013, 25, 2186-2191.	11.1	79
45	Novel hydrogen-bonded angular supramolecular liquid crystals. Liquid Crystals, 2012, 39, 47-61.	0.9	28
46	Hydrogen-bonded supramolecular complexes formed between isophthalic acid and pyridine-based derivatives. Liquid Crystals, 2011, 38, 925-934.	0.9	50
47	Effect of exchange of terminal substituents on the mesophase behavior of laterally methyl substituted phenyl azo benzoates in pure and mixed systems. Thermochimica Acta, 2011, 525, 78-86.	1.2	15
48	Supramolecular liquid crystals in binary and ternary systems. Thermochimica Acta, 2011, 517, 63-73.	1.2	16
49	Effect of lateral substitution of different polarity on the mesophase behaviour in pure and mixed states of 4-(4â€²-substituted phenylazo)-2-substituted phenyl-4â€³-alkoxy benzoates. Liquid Crystals, 2011, 38, 391-405.	0.9	12
50	Supramolecular Liquid Crystals Induced by Hydrogen-Bonding Interactions Between Non-Mesomorphic Compounds. I. 4-(4â€²-Pyridylazophenyl)-4â€³-Substituted Benzoates and 4-Substituted Benzoic Acids. Molecular Crystals and Liquid Crystals, 2009, 506, 22-33.	0.4	19
51	Supramolecular Hydrogen-Bonded Liquid Crystals Formed from 4-(4â€²-Pyridylazophenyl)-4â€³â€“Substituted Benzoates and 4-Alkoxybenzoic Acids. Molecular Crystals and Liquid Crystals, 2008, 482, 57-70.	0.4	29
52	Supramolecular Hydrogen-Bonded Liquid Crystals Formed from 4-(4â€²-Pyridylazophenyl)-4â€³-alkoxy Benzoates and 4-Substituted Benzoic Acids. Molecular Crystals and Liquid Crystals, 2008, 487, 74-91.	0.4	43
53	Possibility of mesophase formation in some model compounds based on the N-aryl benzamide group. Thermochimica Acta, 2007, 459, 40-57.	1.2	4
54	Non-symmetric ether-linked liquid crystalline dimers with a highly polar end group. Liquid Crystals, 0, , 1-7.	0.9	3