

Georg H Mehl

List of Publications by Year in descending order

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6,089
citations

76326

40
h-index

95266

68
g-index

198
all docs

198
docs citations

198
times ranked

3307
citing authors

#	ARTICLE	IF	CITATIONS
1	Nematic twist-bend phase with nanoscale modulation of molecular orientation. Nature Communications, 2013, 4, 2635.	12.8	534
2	Spontaneous Periodic Deformations in Nonchiral Planar-Aligned Bimesogens with a Nematic-Nematic Transition and a Negative Elastic Constant. Physical Review Letters, 2010, 105, 167801.	7.8	307
3	4,4-Difluoro-4-bora-3a,4a-diaza-s-indacenes (BODIPYs) as components of novel light active materials. Tetrahedron, 2011, 67, 3573-3601.	1.9	250
4	Thermotropic Biaxial Nematic Phase in Liquid Crystalline Organo-Siloxane Tetrapodes. Physical Review Letters, 2004, 93, 237801.	7.8	194
5	Liquid crystals with restricted molecular topologies: supermolecules and supramolecular assemblies. Chemical Communications, 1998, , 2057-2070.	4.1	170
6	The Design and Investigation of Room Temperature Thermotropic Nematic Gold Nanoparticles. Journal of the American Chemical Society, 2006, 128, 13376-13377.	13.7	155
7	Microsecond linear optical response in the unusual nematic phase of achiral bimesogens. Applied Physics Letters, 2011, 99, .	3.3	142
8	3D Ordered Gold Strings by Coating Nanoparticles with Mesogens. Advanced Materials, 2009, 21, 1746-1750.	21.0	124
9	Liquid-Crystalline, Substituted Octakis-(dimethylsiloxy)octasilsesquioxanes: Oligomeric Supermolecular Materials with Defined Topology. Angewandte Chemie International Edition in English, 1996, 35, 2641-2643.	4.4	106
10	Electronic Charge Transport in Extended Nematic Liquid Crystals. Chemistry of Materials, 2006, 18, 2311-2317.	6.7	102
11	Deuterium NMR Investigation of the Biaxial Nematic Phase in an Organosiloxane Tetrapode. Physical Review Letters, 2005, 94, 107802.	7.8	100
12	Nematic-nematic phase transition in the liquid crystal dimer CBC9CB and its mixtures with 5CB: A high-resolution adiabatic scanning calorimetric study. Physical Review E, 2011, 84, 041707.	2.1	91
13	Structure-property relationships in nematic gold nanoparticles. Journal of Materials Chemistry, 2007, 17, 311-315.	6.7	87
14	Direct observation of liquid crystals using cryo-TEM: Specimen preparation and low-dose imaging. Microscopy Research and Technique, 2014, 77, 754-772.	2.2	85
15	Full Miscibility of Disk- and Rod-Shaped Mesogens in the Nematic Phase. Journal of the American Chemical Society, 2003, 125, 11172-11173.	13.7	82
16	Do the short helices exist in the nematic TB phase?. Liquid Crystals, 2015, 42, 1-7.	2.2	82
17	Field-induced periodic chiral pattern in the Nx phase of achiral bimesogens. Applied Physics Letters, 2012, 101, .	3.3	81
18	Dynamic Light Scattering Study of Biaxial Ordering in a Thermotropic Liquid Crystal. Physical Review Letters, 2006, 97, 207802.	7.8	75

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19	On the structure of the N _x phase of symmetric dimers: inferences from NMR. <i>Soft Matter</i> , 2015, 11, 850-855.	2.7	73
20	Polyhedral liquid crystal silsesquioxanes. <i>Applied Organometallic Chemistry</i> , 1999, 13, 261-272.	3.5	70
21	Modulation of the Absorption, Fluorescence, and Liquid-Crystal Properties of Functionalised Diarylethene Derivatives. <i>Chemistry - A European Journal</i> , 2004, 10, 5243-5250.	3.3	70
22	Multiple Addressing in a Hybrid Biphotochromic System. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5048-5052.	13.8	69
23	Molecular organization in the twist-bend nematic phase by resonant X-ray scattering at the Se K-edge and by SAXS, WAXS and GIXRD. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13449-13454.	2.8	69
24	Elastic properties of bimesogenic liquid crystals. <i>Liquid Crystals</i> , 2013, 40, 681-688.	2.2	64
25	Supermolecules Containing a Tetrahedral Core: A New Class of Liquid-Crystalline Siloxanes. <i>Chemische Berichte</i> , 1996, 129, 521-525.	0.2	62
26	Nematic silsesquioxanes towards nanocrystals dispersed in a nematic liquid crystal matrix. <i>Chemical Communications</i> , 2000, , 851-852.	4.1	55
27	End functionalised liquid crystalline bent-core molecules and first DAB derived dendrimers with banana shaped mesogenic units. <i>Journal of Materials Chemistry</i> , 2005, 15, 1722.	6.7	53
28	Design, Synthesis, and Characterization of Mesogenic Amine-Capped Nematic Gold Nanoparticles with Surface-Enhanced Plasmonic Resonances. <i>Journal of the American Chemical Society</i> , 2012, 134, 5076-5079.	13.7	53
29	A Self-Organized Anisotropic Liquid-Crystal Plasmonic Metamaterial. <i>Advanced Materials</i> , 2013, 25, 1999-2004.	21.0	53
30	A fibre forming smectic twist-bent liquid crystalline phase. <i>RSC Advances</i> , 2015, 5, 11207-11211.	3.6	52
31	Design of Mesomorphic Diarylethene-Based Photochromes. <i>Journal of the American Chemical Society</i> , 2004, 126, 15382-15383.	13.7	50
32	The design and investigation of laterally functionalised oxadiazoles. <i>Journal of Materials Chemistry</i> , 2007, 17, 4711.	6.7	50
33	The design and investigation of the self-assembly of dimers with two nematic phases. <i>RSC Advances</i> , 2015, 5, 93513-93521.	3.6	49
34	Flexoelectric behavior of bimesogenic liquid crystals in the nematic phase – observation of a new self-assembly pattern at the twist-bend nematic and the nematic interface. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8179-8184.	5.5	48
35	Self-Organizing Properties of Natural and Related Synthetic Glycolipids. <i>Journal of the American Chemical Society</i> , 2002, 124, 13737-13748.	13.7	47
36	Testing the triple network structure of the cubic Im $\bar{3}$, ₁ m (I) phase by isomorphous replacement and model refinement. <i>Journal of Materials Chemistry</i> , 2008, 18, 2953.	6.7	47

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37	Hierarchical organisation in shape-amphiphilic liquid crystals. <i>Journal of Materials Chemistry</i> , 2009, 19, 1564.	6.7	47
38	Control of anisotropic self-assembly of gold nanoparticles coated with mesogens. <i>Journal of Materials Chemistry</i> , 2012, 22, 11101.	6.7	47
39	Nematic Dendrimers Based on Carbosilazane Cores. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2688-2690.	13.8	46
40	Multiple Levels of Order in Linked Disc-Rod Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 6015-6018.	13.8	46
41	Long- and Short-Range Order in the Mesophases of Laterally Substituted Calamitic Mesogens and their Radial Octapodes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6550-6556.	2.6	46
42	Disc-shaped triphenylenes in a smectic organisation. <i>Chemical Communications</i> , 2004, , 66.	4.1	43
43	The orientational order parameters of a dendritic liquid crystal organo-siloxane tetrapode oligomer, determined using polarized infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 121, 5012-5021.	3.0	42
44	A Kite-Shaped Styryl End-Capped Benzo[2,1-b:3,4-b']dithiophene with High Electrical Performances in Organic Thin Film Transistors. <i>Journal of the American Chemical Society</i> , 2008, 130, 17681-17683.	13.7	41
45	Dielectric studies of a laterally-linked siloxane ester dimer. <i>Liquid Crystals</i> , 2003, 30, 1021-1030.	2.2	40
46	Mesophase structure and behaviour in bulk and restricted geometry of a dimeric compound exhibiting a nematic-nematic transition. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19299-19308.	2.8	40
47	The effect of carborane, bicyclo[2.2.2]octane and benzene on mesogenic and dielectric properties of laterally fluorinated three-ring mesogens. <i>Journal of Materials Chemistry</i> , 2006, 16, 3183.	6.7	39
48	Helically Twisted Chiral Arrays of Gold Nanoparticles Coated with a Cholesterol Mesogen. <i>Journal of the American Chemical Society</i> , 2015, 137, 12736-12739.	13.7	39
49	Completely miscible disc and rod shaped molecules in the nematic phase. <i>Chemical Communications</i> , 2006, , 609.	4.1	38
50	Biaxial nematic order and phase behavior studies in an organosiloxane tetrapode using complementary deuterium NMR experiments. <i>Physical Review E</i> , 2008, 78, 051702.	2.1	38
51	Columnar phase structures of an organic-inorganic hybrid functionalized with eight calamitic mesogens. <i>Soft Matter</i> , 2007, 3, 857-865.	2.7	37
52	Bridging the Visible: The Modulation of the Absorption by More than 450 nm. <i>Organic Letters</i> , 2010, 12, 4090-4093.	4.6	32
53	Surface alignment, anchoring transitions, optical properties, and topological defects in the thermotropic nematic phase of organo-siloxane tetrapodes. <i>Soft Matter</i> , 2014, 10, 500-509.	2.7	32
54	Oligomers and Dendrimers Based on Siloxane and Silsesquioxane Cores: Does the Structure of the Central Core Affect the Liquid-Crystalline Properties?. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 332, 455-461.	0.3	31

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55	A Photochromic Liquid Crystal System. <i>ChemPhysChem</i> , 2003, 4, 101-103.	2.1	30
56	Orientational order and dynamics of the dendritic liquid crystal organo-siloxane tetrapodes determined using dielectric spectroscopy. <i>Physical Review E</i> , 2006, 73, 051702.	2.1	30
57	Anomalous Increase in Nematic-Isotropic Transition Temperature in Dimer Molecules Induced by a Magnetic Field. <i>Physical Review Letters</i> , 2016, 116, 217801.	7.8	30
58	Similarities and differences between molecular order in the nematic and twist-bend nematic phases of a symmetric liquid crystal dimer. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9419-9430.	2.8	30
59	Light-induced changes of the refractive indices in a colloid of gold nanoparticles in a nematic liquid crystal. <i>European Physical Journal E</i> , 2012, 35, 33.	1.6	29
60	Self-assembly and liquid-crystalline supramolecular organizations of semifluorinated block co-dendritic supermolecules. <i>New Journal of Chemistry</i> , 2012, 36, 452-468.	2.8	29
61	Oligomeric odd-even effect in liquid crystals. <i>Materials Horizons</i> , 2019, 6, 1905-1912.	12.2	29
62	Substituted siloxysilanes and the structure of oligomeric liquid crystals. <i>Chemical Communications</i> , 1999, , 13-14.	4.1	27
63	Orientational Order and Dynamics of Nematic Multipodes Based on Carbosilazane Cores Using Optical and Dielectric Spectroscopy. <i>Macromolecules</i> , 2002, 35, 8601-8608.	4.8	27
64	The enhancement of photoswitching in a diarylethene derivative by the incorporation of cyanobiphenyl groups. <i>Chemical Communications</i> , 2004, , 818.	4.1	26
65	Controlled Conversion of Isomers in a Hybrid Biphotochromic System. <i>Organic Letters</i> , 2006, 8, 4931-4934.	4.6	26
66	High-resolution calorimetric study of a liquid crystalline organo-siloxane tetrapode with a biaxial nematic phase. <i>Physical Review E</i> , 2008, 78, 011708.	2.1	26
67	Fabrication of novel lightweight composites by a hydrogel templating technique. <i>Materials Research Bulletin</i> , 2012, 47, 980-986.	5.2	26
68	Characterization of the Submicrometer Hierarchy Levels in the Twist-Bend Nematic Phase with Nanometric Helices via Photopolymerization. Explanation for the Sign Reversal in the Polar Response. <i>Nano Letters</i> , 2017, 17, 7515-7519.	9.1	25
69	Phase structure and molecular dynamics of liquid-crystalline side-on organosiloxane tetrapodes. <i>Physical Review E</i> , 2010, 81, 011702.	2.1	23
70	The stabilisation of the N _x phase in mixtures. <i>Soft Matter</i> , 2016, 12, 888-899.	2.7	22
71	Dynamic calorimetry and XRD studies of the nematic and twist-bend nematic phase transitions in a series of dimers with increasing spacer length. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25268-25274.	2.8	22
72	Effect of end-substitutions of distyryl-oligothiophenes by hexyl chains on environmental stability in organic thin film transistors. <i>Organic Electronics</i> , 2008, 9, 591-601.	2.6	21

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73	Structure and molecular dynamics of the mesophases exhibited by an organosiloxane tetrapode with strong polar terminal groups. <i>Physical Review E</i> , 2007, 75, 011704.	2.1	20
74	Local lamellar organisation of discotic mesogens carrying fluorinated tails. <i>Journal of Materials Chemistry</i> , 2007, 17, 4196.	6.7	20
75	Added Alkane Allows Thermal Thinning of Supramolecular Columns by Forming Superlattice An X-ray and Neutron Study. <i>Journal of the American Chemical Society</i> , 2016, 138, 5757-5760.	13.7	20
76	Pretransitional behavior of viscoelastic parameters at the nematic to twist-bend nematic phase transition in flexible <i>n</i> -mers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13078-13089.	2.8	20
77	An homologous series of 6-O-n-alkyl- α -D-galactopyranoses: synthesis and thermotropic mesomorphic properties. <i>Liquid Crystals</i> , 1998, 24, 283-293.	2.2	19
78	Quasi-Periodic Organization in Soft Self-Assembling Matter. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 672-673.	13.8	19
79	Mesogenic BODIPYs: an investigation of the correlation between liquid crystalline behaviour and fluorescence intensity. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 992-999.	2.9	19
80	Structure properties relationships of liquid crystal bent core organic semiconductors based on benzo[2,1-b:3,4-b ²]dithiophene-4,5-dione. <i>Journal of Materials Chemistry</i> , 2012, 22, 23159.	6.7	19
81	Sound absorption of porous cement composites: effects of the porosity and the pore size. <i>Journal of Materials Science</i> , 2015, 50, 3495-3503.	3.7	19
82	Hierarchy of Periodic Patterns in the Twist-bend Nematic Phase of Mesogenic Dimers. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 611, 180-185.	0.9	19
83	Room temperature photochromic liquid crystal [3H]-naphtho[2,1-b]pyrans photochromism in the mesomorphic state. <i>Chemical Communications</i> , 2004, , 2040-2041.	4.1	18
84	Fabrication of salt hydrogel marbles and hollow-shell microcapsules by an aerosol gelation technique. <i>Journal of Materials Chemistry B</i> , 2015, 3, 82-89.	5.8	18
85	Second harmonic light scattering induced by defects in the twist-bend nematic phase of liquid crystal dimers. <i>Soft Matter</i> , 2016, 12, 4472-4482.	2.7	18
86	Fluctuation Modes of a Twist-Bend Nematic Liquid Crystal. <i>Physical Review X</i> , 2016, 6, .	8.9	18
87	Tuning selective reflection of light by surface anchoring in cholesteric cells with oblique helicoidal structures. <i>Optics Letters</i> , 2018, 43, 1850.	3.3	18
88	Soft modes of the dielectric response in the twist-bend nematic phase and identification of the transition to a nematic splay bend phase in the CBC7CB dimer. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22839-22848.	2.8	18
89	Chirality enhancement in macro-chiral liquid crystal nanoparticles. <i>Materials Horizons</i> , 2020, 7, 3021-3027.	12.2	18
90	Discotic Multipodes with Nematic Mesophases. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 387-396.	0.9	17

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91	Ferrocene-containing liquid crystals bearing a cholesteryl unit. <i>Liquid Crystals</i> , 2007, 34, 819-831.	2.2	17
92	Mechanistic understanding of the photochromism of a hybrid dithienylethene-naphthopyran system by NMR spectroscopy. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 929-935.	1.9	17
93	Addressing fluorescence and liquid crystal behaviour in multi-mesogenic BODIPY materials. <i>New Journal of Chemistry</i> , 2011, 35, 1410.	2.8	17
94	Probing molecular ordering in the nematic phases of para-linked bimesogen dimers through NMR studies of flexible prochiral solutes. <i>Liquid Crystals</i> , 2020, 47, 2058-2073.	2.2	17
95	Mesogenic dipyrroins building blocks for the fabrication of fluorescent and metal-containing materials. <i>Chemical Communications</i> , 2008, , 4582.	4.1	16
96	Strong Cubic Optical Nonlinearity of Gold Nanoparticles Suspension in Nematic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 545, 123/[1347]-132/[1356].	0.9	15
97	Self-Assembly and Temperature-Driven Chirality Inversion of Cholesteryl-Based Block Copolymers. <i>Macromolecules</i> , 2020, 53, 4193-4203.	4.8	15
98	Light scattering study of the pseudo-layer-compression elastic constant in a twist-bend nematic liquid crystal. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31645-31652.	2.8	14
99	Macroscopic chirality of twist-bend nematic phase in bent dimers confirmed by circular dichroism. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1041-1047.	5.5	14
100	Flüssigkristalline, substituierte Octakis(dimethylsiloxy)octasilsesquioxane: oligomere, supramolekulare Materialien mit definierter Topologie. <i>Angewandte Chemie</i> , 1996, 108, 2791-2793.	2.0	13
101	STRUCTURE-PROPERTIES RELATIONSHIPS IN A SERIES OF LIQUID CRYSTALS BASED ON CARBOSILAZANE CORES. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 402, 1-7.	0.9	13
102	Properties of the self-deforming Ntb phase in mesogenic dimers. <i>Proceedings of SPIE</i> , 2013, , .	0.8	13
103	Temperature dependence of bend elastic constant in oblique helicoidal cholesterics. <i>Physical Review Research</i> , 2020, 2, .	3.6	13
104	The effect of low molecular weight organosiloxane substituents on mesophase formation and structure in non-symmetric nickel(II) complexes. <i>Journal of Organometallic Chemistry</i> , 1998, 551, 299-311.	1.8	12
105	Liquid crystalline derivatives of galactose and galactitol: dependence of thermotropic mesomorphism on carbohydrate form. <i>Liquid Crystals</i> , 1998, 25, 31-45.	2.2	12
106	Solute NMR study of a bimesogenic liquid crystal with two nematic phases. <i>Chemical Physics Letters</i> , 2012, 552, 44-48.	2.6	12
107	The design and investigation of porphyrins with liquid crystal properties at room temperature. <i>Journal of Materials Chemistry C</i> , 2013, 1, 144-150.	5.5	12
108	Director configuration in the twist-bend nematic phase of CB11CB. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9887-9896.	5.5	12

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109	Comparative analysis of anisotropic material properties of uniaxial nematics formed by flexible dimers and rod-like monomers. <i>Liquid Crystals</i> , 0, , 1-13.	2.2	12
110	Flexoelectro-optic liquid crystal analog phase-only modulator with a 2 π range and 1 μ s kHz switching. <i>Optics Letters</i> , 2018, 43, 4362.	3.3	12
111	Mixtures of disc-shaped and rod-shaped mesogens with chiral components. <i>Journal of Materials Chemistry</i> , 2004, 14, 1798.	6.7	11
112	Biaxial order and a rotation of the minor director in the nematic phase of an organo-siloxane tetrapode by the electric field. <i>Journal of Chemical Physics</i> , 2012, 136, 094513.	3.0	11
113	Chiral nematic organo-siloxane oligopodes based on an axially chiral binaphthalene core. <i>Chemical Communications</i> , 2012, 48, 6851.	4.1	11
114	Stabilised columnar mesophases formed by 1:1 mixtures of hexaalkoxytriphenylenes with a hexaphenyltriphenylene-based polymer. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5754-5763.	5.5	11
115	The induction of the N _{tb} phase in mixtures. <i>Liquid Crystals</i> , 2018, 45, 1929-1935.	2.2	11
116	Dielectric response of electric-field distortions of the twist-bend nematic phase for LC dimers. <i>Journal of Chemical Physics</i> , 2019, 151, 114908.	3.0	11
117	Deciphering helix assembly in the heliconical nematic phase via tender resonant X-ray scattering. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10020-10028.	5.5	11
118	N-Acyl- β -D-glycopyranosylamines containing 1,4-disubstituted cyclohexyl and phenyl rings: mesomorphism and molecular structure relationships. <i>Journal of Materials Chemistry</i> , 1998, 8, 871-880.	6.7	10
119	Nematic Phases of Disc-And Rod-Shaped Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 397, 1-16.	0.9	10
120	Cholesteric Silatranes. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 439, 259/[2125]-267/[2133].	0.9	10
121	Deuterium NMR Investigation of the Influence of Molecular Structure on the Biaxial Ordering of Organosiloxane Tetrapodes Nematic Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 495, 348/[700]-359/[711].	0.9	10
122	Electrochemistry of organometallic lyotropic chromonic liquid crystals. <i>Electrochemistry Communications</i> , 2012, 19, 50-54.	4.7	10
123	Sound absorption properties of porous composites fabricated by a hydrogel templating technique. <i>Journal of Materials Research</i> , 2013, 28, 2409-2414.	2.6	10
124	Flexoelectric Behavior of a Bimesogenic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 611, 65-70.	0.9	10
125	Thermal optical non-linearity of nematic mesophase enhanced by gold nanoparticles – an experimental and numerical investigation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11503-11512.	2.8	10
126	Supramolecular organization of liquid-crystal dimers – bis-cyanobiphenyl alkanes on HOPG by scanning tunneling microscopy. <i>Nanoscale</i> , 2018, 10, 16201-16210.	5.6	10

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127	¹ H NMR study of molecular order and dynamics in the liquid crystal CB-C9-CB. Physical Chemistry Chemical Physics, 2019, 21, 4523-4537.	2.8	10
128	The interplay between spatial and heliconical orientational order in twist-bend nematic materials. Physical Chemistry Chemical Physics, 2021, 23, 4055-4063.	2.8	10
129	Polyphilic Multicomponent Dimers with Perfluorinated Cores. Molecular Crystals and Liquid Crystals, 2004, 411, 185-191.	0.9	9
130	The Nematic Discotic Phase in Materials Containing a Siloxane Core. Molecular Crystals and Liquid Crystals, 2004, 411, 377-385.	0.9	9
131	Synthesis and photochromic properties of a bis(diarylethene)-naphthopyran hybrid. Dyes and Pigments, 2015, 115, 102-109.	3.7	9
132	A cholesteric liquid crystal device having stable uniform lying helix structure. Journal of Molecular Liquids, 2020, 299, 112141.	4.9	9
133	A Compact Full 2 π Flexoelectro-Optic Liquid Crystal Phase Modulator. Advanced Materials Technologies, 2020, 5, 2000589.	5.8	9
134	The role of intermolecular interactions in stabilizing the structure of the nematic twist-bend phase. RSC Advances, 2021, 11, 2917-2925.	3.6	9
135	Synthesis and mesomorphism of 6-Z-n-alkyl- α -D-galactopyranoses. Liquid Crystals, 1999, 26, 985-997.	2.2	8
136	Anion-dependent micelle formation using electro-generated ferrocene surfactants. Electrochemistry Communications, 2008, 10, 1720-1723.	4.7	8
137	Deuteron and proton NMR study of D ₂ , p-dichlorobenzene and 1,3,5-trichlorobenzene in bimesogenic liquid crystals with two nematic phases. Chemical Physics Letters, 2016, 659, 48-54.	2.6	8
138	Fast and low loss flexoelectro-optic liquid crystal phase modulator with a chiral nematic reflector. Scientific Reports, 2019, 9, 7016.	3.3	8
139	Lyotropic hairy TiO ₂ nanorods. Nanoscale Advances, 2019, 1, 254-264.	4.6	8
140	Monodisperse Oligomeric Liquid Crystal Supermolecules with Defined Topology. Molecular Crystals and Liquid Crystals, 1997, 303, 15-21.	0.3	7
141	Tilted Layered Phases: The Influence of the Inclusion of a Non-Linear Macrocyclic in Calamitic Liquid Crystals - Synthesis and Phase Behaviour. Molecular Crystals and Liquid Crystals, 1997, 304, 223-230.	0.3	7
142	The synthesis of bromo and iodo trifunctionalised tribenzosilatrane. Tetrahedron Letters, 2005, 46, 67-68.	1.4	7
143	Investigation of the Complete Miscibility of Disc-rod Mesogens in the Nematic Phase. Molecular Crystals and Liquid Crystals, 2006, 449, 107-115.	0.9	7
144	Capacitance and optical studies of elastic and dielectric properties in an organosiloxane tetrapode exhibiting a NB phase. Journal of Chemical Physics, 2013, 138, 124904.	3.0	7

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145	Proton and Deuterium NMR Study of the CBC9CB Dimer System. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1442-1451.	2.6	7
146	Millisecond Optical Phase Modulation Using Multipass Configurations with Liquid-Crystal Devices. <i>Physical Review Applied</i> , 2020, 14, .	3.8	7
147	Molecular biaxiality determines the helical structure – infrared measurements of the molecular order in the nematic twist-bend phase of difluoro terphenyl dimer. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4151-4160.	2.8	7
148	Dendritic and Multipodal Liquid-Crystalline Materials Based on Organic-Inorganic Hybrid Carbosilazane Cores. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 364, 219-224.	0.3	6
149	Mononuclear Cu(II) complexes of novel salicylidene Schiff bases: synthesis and mesogenic properties. <i>Liquid Crystals</i> , 2015, 42, 1139-1147.	2.2	6
150	The Beauty of Twist-Bend Nematic Phase: Fast Switching Domains, First Order Fréedericksz Transition and a Hierarchy of Structures. <i>Crystals</i> , 2021, 11, 621.	2.2	6
151	Detecting columnar deformations in a supermesogenic octapode by proton NMR relaxometry. <i>European Physical Journal E</i> , 2010, 31, 275-283.	1.6	5
152	Dynamic response of large tilt-angle flexoelectro-optic liquid crystal modulators. <i>Optics Express</i> , 2019, 27, 15184.	3.4	5
153	Pyroelectric and dielectric properties of side-chain liquid crystal polymers. <i>Polymer Engineering and Science</i> , 1996, 36, 1032-1037.	3.1	4
154	Properties of side chain liquid crystal polyesters containing chiral groups in the main chain. <i>Polymer Engineering and Science</i> , 1996, 36, 2921-2931.	3.1	4
155	Nematic tribenzosilatranes. <i>Liquid Crystals</i> , 2005, 32, 469-476.	2.2	4
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