List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	High birefringence nematic liquid crystals containing both thieno[3,2- <i>b</i>]thiophene core and acetylene bond. Liquid Crystals, 2022, 49, 845-854.	2.2	4
2	New multi-fluorinated benzofuran liquid crystals with large dielectric anisotropy and improved solubility. Liquid Crystals, 2022, 49, 1753-1762.	2.2	2
3	New block poly(ether sulfone) based anion exchange membranes with rigid side-chains and high-density quaternary ammonium groups for fuel cell application. Polymer Chemistry, 2022, 13, 4395-4405.	3.9	7
4	Imidazole-Functionalized Multiquaternary Side-Chain Polyethersulfone Anion-Exchange Membrane for Fuel Cell Applications. ACS Applied Energy Materials, 2022, 5, 10023-10033.	5.1	9
5	Synthesis and properties of fluorinated terphenyl liquid crystals utilizing 5,6-dihydro-4H-cyclopenta[b]thiophene as core unit. Journal of Molecular Structure, 2022, 1267, 133612.	3.6	3
6	Synthesis and properties of novel 6,7-dihydrocyclopenta[5,6-b]benzofuran-based liquid crystal compounds. Liquid Crystals, 2021, 48, 190-200.	2.2	5
7	Benzoxazole-based nematic liquid crystals containing ethynyl and two lateral fluorine atoms with large birefringence. Liquid Crystals, 2021, 48, 157-167.	2.2	6
8	5,6-Difluorobenzofuran: a new core for the design of liquid crystal compound with large dielectric anisotropy and broad nematic range. Liquid Crystals, 2021, 48, 273-280.	2.2	10
9	Quinoxaline-based semi-interpenetrating polymer network of sulfonated poly(arylene ether)s and sulfonated polyimides as proton exchange membranes. Polymer Bulletin, 2021, 78, 4333-4354.	3.3	6
10	Synthesis and properties of 5,6-dihydro-4H-cyclopenta[b]thiophene-based nematic liquid crystals: A new access to mesogens with high birefringence and large dielectric anisotropy. Journal of Molecular Liquids, 2021, 327, 114827.	4.9	12
11	Organic double D–π–A sensitizers based on 2,2′-(2,2 diphenylethene-1,1-diyl)dithiophene: π-conjugation fragment effect on the photovoltaic properties. Materials Advances, 2021, 2, 6641-6646.	5.4	0
12	Synthesis and properties of isothiocyanate liquid crystals containing cyclohexene unit. Liquid Crystals, 2021, 48, 1392-1401.	2.2	5
13	Highly Active Hollow RhCu Nanoboxes toward Ethylene Glycol Electrooxidation. Small, 2021, 17, e2006534.	10.0	48
14	Low dielectric loss and good miscibility of the tolane liquid crystals by tuning their lateral substituents. Journal of Molecular Liquids, 2021, 325, 115236.	4.9	9
15	Introduction of 5,6-dihydro-4 <i>H</i> -cyclopenta[<i>b</i>]thiophene core unit into phenyl-tolane: Expanding the mesophase range and increasing the birefringence and dielectric anisotropy of liquid crystal. Liquid Crystals, 2021, 48, 1650-1659.	2.2	6
16	The effect of benzoxazole unit on the properties of cyclic thiourea functionalized triphenylamine dye sensitizers. Dyes and Pigments, 2021, 187, 109093.	3.7	6
17	Synthesis and properties of benzoxazole-terminated mesogenic compounds containing tolane with high birefringence and large dielectric anisotropy. Liquid Crystals, 2021, 48, 1978-1991.	2.2	9
18	Effect of <i>Ï€-</i> conjugation units on the liquid crystal and photovoltaic performance of heterocyclic pyridine-based compounds. Liquid Crystals, 2021, 48, 2178-2187.	2.2	10

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19	Effect of the Spatial Configuration of Donors on the Photovoltaic Performance of Double Dâ~π–A Organic Dyes. ACS Applied Materials & Interfaces, 2021, 13, 40648-40655.	8.0	13
20	Acid@base co-sensitization strategy for highly efficient dye-sensitized solar cells. Optical Materials, 2021, 121, 111528.	3.6	10
21	Effect of Extending the Conjugation of Dye Molecules on the Efficiency and Stability of Dye-Sensitized Solar Cells. ACS Omega, 2021, 6, 30069-30077.	3.5	8
22	In situ conversion of iron sulfide (FeS) to iron oxyhydroxide (γ-FeOOH) on N, S co-doped porous carbon nanosheets: An efficient electrocatalyst for the oxygen reduction reaction and zinc–air batteries. Journal of Colloid and Interface Science, 2020, 558, 323-333.	9.4	34
23	Benzoxazole-terminated liquid crystals with high birefringence and large dielectric anisotropy. Liquid Crystals, 2020, 47, 1274-1280.	2.2	24
24	Preparation and properties of 1-methyl- <i>1H</i> -benzimidazole-based mesogenic compounds incorporating ethynyl moiety. Liquid Crystals, 2020, 47, 1281-1290.	2.2	7
25	Evaluation of mesomorphic and thermal stabilities for terminal epoxy liquid crystals. Journal of Molecular Liquids, 2020, 317, 113955.	4.9	2
26	New negative dielectric anisotropy liquid crystals based on benzofuran core. Liquid Crystals, 2020, 47, 2313-2322.	2.2	4
27	Synthesis and properties of benzoxazole-based liquid crystals containing ethynyl group. Liquid Crystals, 2020, 47, 1719-1728.	2.2	6
28	Improved mesomorphic behaviour and large birefringence of fluorinated liquid crystals containing ethynyl and 1-methyl- <i>1H</i> -benzimidazole moieties. Liquid Crystals, 2020, 47, 1264-1273.	2.2	9
29	N,F-Codoped Carbon Nanocages: An Efficient Electrocatalyst for Hydrogen Peroxide Electroproduction in Alkaline and Acidic Solutions. ACS Sustainable Chemistry and Engineering, 2020, 8, 2883-2891.	6.7	72
30	Dissecting terminal fluorinated regulator of liquid crystals for fine-tuning intermolecular interaction and molecular configuration. Journal of Molecular Liquids, 2020, 310, 113225.	4.9	12
31	Mesomorphic properties improved via lateral fluorine substituent on benzoxazole-terminated mesogenic compounds. Liquid Crystals, 2020, 47, 1555-1568.	2.2	6
32	Increasing the negative dielectric anisotropy of liquid crystals by fluorination of the terminal ethyl chain. Liquid Crystals, 2020, 47, 2268-2275.	2.2	2
33	Preparation and mesomorphic properties of 1-methyl- <i>1H</i> benzimidazole-based compounds. Liquid Crystals, 2019, 46, 131-137.	2.2	5
34	Synthesis and mesomorphic properties of benzoxazole derivatives with lateral multifluoro substituents. Liquid Crystals, 2019, 46, 59-66.	2.2	17
35	The effect of intermolecular actions on the mesomorphic properties of alkenoxy biphenyl-based liquid crystals. Journal of Molecular Liquids, 2019, 296, 111880.	4.9	7
36	0.2 V Electrolysis Voltage-Driven Alkaline Hydrogen Production with Nitrogen-Doped Carbon Nanobowl-Supported Ultrafine Rh Nanoparticles of 1.4 nm. ACS Applied Materials & Interfaces, 2019, 11, 35039-35049.	8.0	27

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37	59â€4: Fastâ€response polarization volume gratings for AR/VR displays. Digest of Technical Papers SID International Symposium, 2019, 50, 838-841.	0.3	1
38	The effect of terminal epoxy modification on the mesomorphic and thermal stability of biphenyl ester liquid crystals. Liquid Crystals, 2019, 46, 2149-2158.	2.2	10
39	Grapheneâ€Encapsulated Co ₉ S ₈ Nanoparticles on N,Sâ€Codoped Carbon Nanotubes: An Efficient Bifunctional Oxygen Electrocatalyst. ChemSusChem, 2019, 12, 3390-3400.	6.8	43
40	Multistimuliâ€Responsive Selfâ€Organized Liquid Crystal Bragg Gratings. Advanced Optical Materials, 2019, 7, 1900101.	7.3	56
41	High-frame-rate liquid crystal phase modulator for augmented reality displays. Liquid Crystals, 2019, 46, 309-315.	2.2	18
42	Effect of the thieno[3,4-c]pyrrole-4,6-dione on properties of the cyclic thiourea triphenylamine sensitizers. Dyes and Pigments, 2019, 161, 197-204.	3.7	2
43	Interface self-assembly preparation of multi-element doped carbon nanobowls with high electrocatalysis activity for oxygen reduction reaction. Journal of Colloid and Interface Science, 2019, 533, 569-577.	9.4	8
44	Unclogging electron-transporting channels via self-assembly for improving light harvesting and stability of dye-sensitized solar cells. Electrochimica Acta, 2019, 299, 518-530.	5.2	10
45	Synthesis and study the liquid crystalline properties of compounds containing benzoxazole core and terminal vinyl group. Liquid Crystals, 2019, 46, 797-805.	2.2	15
46	Synthesis and mesomorphic properties of the nematic mesophase benzoxazole derivatives with big twist angle of difluoro-biphenyl unit. Liquid Crystals, 2019, 46, 1013-1023.	2.2	15
47	Syntheses of new diluents for medium birefringence liquid crystals materials. Liquid Crystals, 2019, 46, 700-707.	2.2	5
48	Investigation of terminal olefine in the isothiocyanatotolane liquid crystals with alkoxy end group. Liquid Crystals, 2018, 45, 1498-1507.	2.2	13
49	New isothiocyanato liquid crystals containing thieno[3,2- <i>b</i>]thiophene central core. Liquid Crystals, 2018, 45, 1294-1302.	2.2	19
50	Block poly(arylene ether sulfone) copolymers tethering aromatic side-chain quaternary ammonium as anion exchange membranes. Polymer Chemistry, 2018, 9, 699-711.	3.9	46
51	N-doped carbon nanocages: Bifunctional electrocatalysts for the oxygen reduction and evolution reactions. Nano Research, 2018, 11, 1905-1916.	10.4	73
52	The effect of intermolecular actions on the nematic phase range of tolane-liquid crystals. Liquid Crystals, 2018, 45, 783-792.	2.2	12
53	The effect of phenyl ring on the physical properties of liquid crystals containing 4-pyridyl terminal group. Liquid Crystals, 2018, 45, 1825-1833.	2.2	12
54	Investigation of 4-pyridyl liquid crystals on the photovoltaic performance and stability of dye sensitized solar cells by the co-sensitization. Dyes and Pigments, 2018, 159, 527-532.	3.7	13

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55	Fe/N Codoped Carbon Nanocages with Single-Atom Feature as Efficient Oxygen Reduction Reaction Electrocatalyst. ACS Applied Energy Materials, 2018, 1, 4982-4990.	5.1	38
56	51â€3: Highâ€birefringence Liquid Crystal for Phaseâ€only Spatial Light Modulators. Digest of Technical Papers SID International Symposium, 2018, 49, 674-677.	0.3	0
57	The effect of locations of triple bond at terphenyl skeleton on the properties of isothiocyanate liquid crystals, 2017, 44, 1374-1383.	2.2	18
58	The effect of furan linkers on the properties of cyclic thiourea functionalized triphenylamine dye sensitizers. Dyes and Pigments, 2017, 139, 772-778.	3.7	13
59	Lateral substituent effects on UV stability of high-birefringence liquid crystals with the diaryl-diacetylene core: DFT/TD-DFT study. Liquid Crystals, 2017, 44, 1515-1524.	2.2	56
60	Cross-linked poly(arylene ether sulfone)s with side-chain aromatic benzyltrimethyl ammonium for anion-exchange membranes. Polymer Bulletin, 2017, 74, 4329-4348.	3.3	3
61	Facile synthesis and the properties of novel cardo poly(arylene ether sulfone)s with pendent cycloaminium side chains as anion exchange membranes. Polymer Chemistry, 2017, 8, 4207-4219.	3.9	45
62	Poly(arylene ether sulfone) bearing multiple benzyl-type quaternary ammonium pendants: preparation, stability and conductivity. RSC Advances, 2017, 7, 30770-30783.	3.6	8
63	Preparation and characterisation of laterally monofluorinated mesogenic benzimidazole-based compounds. Liquid Crystals, 2017, 44, 1678-1685.	2.2	15
64	New terphenyl liquid crystals terminated by 2-chloro-3,3,3-trifluoropropenyl group. Liquid Crystals, 2017, 44, 1646-1652.	2.2	7
65	Preparation and properties of laterally multifluorinated benzoxazole-based nematic mesogens. Liquid Crystals, 2017, 44, 1686-1694.	2.2	12
66	Synthesis and properties of allyloxy-based tolane liquid crystals with high negative dielectric anisotropy. Liquid Crystals, 2017, 44, 2184-2191.	2.2	23
67	New isothiocyanatotolane liquid crystals with terminal but-3-enyl substitute. Liquid Crystals, 2017, 44, 833-842.	2.2	13
68	High electrocapacitive performance of bowl-like monodispersed porous carbon nanoparticles prepared with an interfacial self-assembly process. Journal of Colloid and Interface Science, 2017, 496, 35-43.	9.4	18
69	Study on dye-loading mode on TiO2 films and impact of co-sensitizers on highly efficient co-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2017, 28, 3962-3969.	2.2	7
70	Nematic mesophase enhanced via lateral monofluorine substitution on benzoxazole-liquid crystals. Liquid Crystals, 2016, 43, 1341-1350.	2.2	24
71	Low mid-infrared absorption tolane liquid crystals terminated by 2,2-difluorovinyloxyl: synthesis, characterization and properties. Journal of Materials Chemistry C, 2016, 4, 4939-4945.	5.5	32
72	Facile preparation of TiO2 nanocrystals inserted in monodispersed mesoporous SiO2 nanospheres for enhanced photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2016, 27, 13161-13170.	2.2	4

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73	Improving UV stability of tolane-liquid crystals in photonic applications by the ortho fluorine substitution. Optical Materials Express, 2016, 6, 97.	3.0	33
74	Improved nematic mesophase stability of benzoxazole-liquid crystals via modification of inter-ring twist angle of biphenyl unit. Liquid Crystals, 2016, 43, 1397-1407.	2.2	36
75	High performance liquid crystals for vehicle displays. Optical Materials Express, 2016, 6, 717.	3.0	40
76	Synthesis and physical properties of tolane liquid crystals containing 2,3-difluorophenylene and terminated by a tetrahydropyran moiety. Liquid Crystals, 2016, 43, 564-572.	2.2	18
77	Synthesis and properties of difluoromethyleneoxy-bridged liquid crystals terminated by 2,2-difluorovinyloxy group. Liquid Crystals, 2015, 42, 383-389.	2.2	5
78	The effect of lateral fluorination on the properties of phenyl-tolane liquid crystals. Liquid Crystals, 2015, 42, 397-403.	2.2	28
79	Cyclic thiourea functionalized dyes with binary π-linkers: Influence of different π-conjugation segments on the performance of dye-sensitized solar cells. Dyes and Pigments, 2015, 116, 146-154.	3.7	25
80	The effect of cyclic thiourea functionalization and β,β′-dialkylbithiophene linker on the performance of triphenylamine dyes. Journal of Molecular Structure, 2015, 1094, 195-202.	3.6	5
81	Synthesis and evaluation of simple molecule as a co-adsorbent dye for highly efficient co-sensitized solar cells. Dyes and Pigments, 2015, 120, 85-92.	3.7	16
82	Synthesis and Characterization of Mesogenic Compounds Possessing Bithiophene and Benzoxazole Units. Molecular Crystals and Liquid Crystals, 2015, 608, 25-37.	0.9	2
83	Dielectric and optical anisotropy enhanced by 1,3-dioxolane terminal substitution on tolane-liquid crystals. Journal of Materials Chemistry C, 2015, 3, 8706-8711.	5.5	48
84	Tolane liquid crystals bearing fluorinated terminal group and their mid-wave infrared properties. Liquid Crystals, 2014, 41, 1696-1702.	2.2	30
85	Synthesis and characterisation of benzoxazole-based liquid crystals possessing 3,5-difluorophenyl unit. Liquid Crystals, 2014, 41, 1455-1464.	2.2	20
86	Synthesis and properties of mesogenic laterally fluorinated compounds containing benzoxazole unit. Liquid Crystals, 2014, 41, 1042-1056.	2.2	18
87	Highly fluorinated liquid crystals with wide nematic phase interval and good solubility. Liquid Crystals, 2014, 41, 1783-1790.	2.2	25
88	Approach to tune short-circuit current and open-circuit voltage of dye-sensitized solar cells: π-linker modification and photoanode selection. RSC Advances, 2014, 4, 42252-42259.	3.6	26
89	Oneâ€Pot Microwaveâ€Assisted Synthesis of Benzopyrano[2,3â€ <i>c</i>]pyrazolâ€3â€one Derivatives. Journal c Heterocyclic Chemistry, 2014, 51, 1210-1214.	of 2.6	2
90	New Mesogenic Compounds Containing a Terminal-Substituted Benzoxazole Unit. Molecular Crystals and Liquid Crystals, 2014, 592, 44-62.	0.9	8

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91	Highly Efficient Dyeâ€sensitized Solar Cells by Coâ€sensitization of Organic Dyes and Coâ€adsorbent Chenodeoxycholic Acid. Chinese Journal of Chemistry, 2014, 32, 474-478.	4.9	10
92	Co-sensitization of N719 with an Organic Dye for Dye-sensitized Solar Cells Application. Bulletin of the Korean Chemical Society, 2014, 35, 1449-1454.	1.9	30
93	Synthesis and properties of substituted benzoxazole-terminated liquid crystals. Liquid Crystals, 2013, 40, 197-215.	2.2	33
94	Fluorine substituted thiophene–quinoxalinecopolymer to reduce the HOMO level and increase the dielectric constant for high open-circuit voltage organic solar cells. Journal of Materials Chemistry C, 2013, 1, 630-637.	5.5	101
95	Cyclic Thiourea/Urea Functionalized Triphenylamine-Based Dyes for High-Performance Dye-Sensitized Solar Cells. Organic Letters, 2013, 15, 1456-1459.	4.6	55
96	Synthesis and mesomorphic properties of 2-(4′-alkoxybiphenyl-4-yl)-1 <i>H</i> -benzimidazole derivatives. Liquid Crystals, 2013, 40, 396-410.	2.2	24
97	Synthesis and mesomorphic properties of but-3-enyl-based fluorinated biphenyl liquid crystals. Liquid Crystals, 2012, 39, 457-465.	2.2	23
98	Synthesis, mesomorphic and gelation properties of 7-alkoxycoumarin-3-carbonyl hydrazine. Liquid Crystals, 2012, 39, 1393-1401.	2.2	19
99	Synthesis and properties of allyloxy-based biphenyl liquid crystals with multiple lateral fluoro substituents. Liquid Crystals, 2012, 39, 957-963.	2.2	11
100	Covalentâ€ionically crosslinked sulfonated poly(arylene ether sulfone)s bearing quinoxaline crosslinkages as proton exchange membranes. Journal of Applied Polymer Science, 2012, 124, E278.	2.6	8
101	Covalently and ionically crosslinked sulfonated poly(arylene ether ketone)s as proton exchange membranes. Polymer Bulletin, 2012, 68, 1369-1386.	3.3	12
102	Synthesis and mesomorphic properties of 7-alkoxybezopyrano[2,3-c]pyrazol-3-one. Liquid Crystals, 2010, 37, 1549-1557.	2.2	24
103	Pervaporation Separation and Catalysis Activity of Novel Zirconium Silicaliteâ€l Zeolite Membrane. Chinese Journal of Chemistry, 2009, 27, 1692-1696.	4.9	4
104	Synthesis and the effect of 2,3-difluoro substitution on the properties of diarylacetylene terminated by an allyloxy group. Liquid Crystals, 0, , 1-10.	2.2	3
105	Improved mesophase stability of benzoxazole derivatives via dipole moment modification. Liquid Crystals, 0, , 1-11.	2.2	4
106	Preparation and properties of lateral monofluoro-substituted benzoxazole-based mesogenic compounds. Liquid Crystals, 0, , 1-9.	2.2	2
107	Efficient Bifunctional Oxygen Electrocatalysts for Rechargeable Zinc–Air Battery: Fe 3 O 4 /Nâ^'C Nanoflowers Derived from Aromatic Polyamide. ChemCatChem, 0, , .	3.7	4