PrzemysÅ‚aw Morawiak

List of Publications by Year
in descending order

24 papers	422 citations	840776 11 h-index	752698 20 g-index
24 all docs	24 docs citations	24 times ranked	441 citing authors

#	Article	IF	Citations
1	Engineering spin-orbit synthetic Hamiltonians in liquid-crystal optical cavities. Science, 2019, 366, 727-730.	12.6	93
2	Tunable optical spin Hall effect in a liquid crystal microcavity. Light: Science and Applications, 2018, 7, 74.	16.6	44
3	Effect of lateral fluorine substitution far from the chiral center on mesomorphic behaviour of highly titled antiferroelectric (S) and (R) enantiomers. Journal of Molecular Liquids, 2018, 267, 504-510.	4.9	37
4	Synthesis and properties of new ferroelectric and antiferroelectric liquid crystals with a biphenylyl benzoate rigid core. Liquid Crystals, 2012, 39, 1011-1032.	2.2	30
5	Observation of second-order meron polarization textures in optical microcavities. Optica, 2021, 8, 255.	9.3	28
6	A new mesogenic mixture with antiferroelectric phase only at a broad temperature range. Liquid Crystals, 2016, 43, 1365-1374.	2.2	25
7	Orientation control of ideal blue phase photonic crystals. Scientific Reports, 2020, 10, 10148.	3.3	24
8	An Influence of a Single Fluorine Atom Position in the Molecular Rigid Core on Physical Properties of Orthoconic Antiferroelectric Liquid Crystal. Ferroelectrics, 2008, 365, 78-87.	0.6	23
9	The influence of the chiral terphenylate on the tilt angle in pyrimidine ferroelectric mixtures. Phase Transitions, 2012, 85, 364-370.	1.3	23
10	Fast self-assembly of macroscopic blue phase 3D photonic crystals. Optics Express, 2020, 28, 18202.	3.4	18
11	Realizing Optical Persistent Spin Helix and Stern-Gerlach Deflection in an Anisotropic Liquid Crystal Microcavity. Physical Review Letters, 2021, 127, 190401.	7.8	14
12	Pyrimidine-based ferroelectric mixtures â€“ The influence of oligophenyl based chiral doping system. Journal of Molecular Liquids, 2020, 303, 112693.	4.9	10
13	Investigation of the tilt angle and spontaneous polarisation of antiferroelectric liquid crystals with a chiral centre based on (S)-(+)-3-octanol. Journal of Molecular Liquids, 2021, 328, 115378.	4.9	7
14	Realizing Persistent-Spin-Helix Lasing in the Regime of Rashba-Dresselhaus Spin-Orbit Coupling in a Dye-Filled Liquid-Crystal Optical Microcavity. Physical Review Applied, 2022, 17, .	3.8	7
15	High Birefringence Liquid Crystals Mixtures and their Selected Applications. Advanced Materials Research, 0, 909, 12-18.	0.3	6
16	A direct assessment of refractive indices of nematic liquid crystals at broad VIS - MWIR range. Liquid Crystals, 2018, 45, 703-714.	2.2	6
17	Wavefront imaging by using an inline holographic microscopy system based on a double-sideband filter. Optics and Lasers in Engineering, 2019, 113, 71-76.	3.8	6
18	Antiferroelectric and ferroelectric mesophases created by (S) enantiomers with a short oligomethylene spacer and their usefulness in the formulation of orthoconic mixtures. Journal of Molecular Liquids, 2020, 320, 114452.	4.9	5

#	ARTICLE	IF	CITATIONS
19	Effect of doping by enantiomers with the different absolute configuration and phase sequence on mesomorphic, helical and electro-optical properties of highly tilted chiral anticlinic mixture. Journal of Molecular Liquids, 2020, 309, 113141.	4.9	5
20	Refractive index matched liquid crystal cell for laser metrology application. Liquid Crystals, 2018, 45, 1690-1698.	2.2	3
21	An effect of chiral dopants on mesomorphic and electro-optical properties of ferroelectric smectic mixture. Liquid Crystals, 2019, 46, 2134-2148.	2.2	3
22	Induction of the smectic A phase in liquid crystalline mixtures formulated using non-chiral compounds with positive and negative dielectric anisotropy. Phase Transitions, 2022, 95, 523-536.	1.3	3
23	The properties of ferroelectric compound (S)-(+)-4-(1-methylheptyloxycarbonyl)phenyl 4â€²-(4-cyanoacetoxybut-1-oxy) biphenyl-4-carboxylate and its ability of an antiferroelectric phase induction in mixtures. Phase Transitions, 2012, 85, 371-378.	1.3	1
24	Fountain fringe field switching (FFFS) for wide viewing angle LCDs. Journal Physics D: Applied Physics, 2022, 55, 185102.	2.8	1