

# Przemysław Morawiak

## List of Publications by Year in descending order

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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	Realizing Persistent-Spin-Helix Lasing in the Regime of Rashba-Dresselhaus Spin-Orbit Coupling in a Dye-Filled Liquid-Crystal Optical Microcavity. <i>Physical Review Applied</i> , 2022, 17, .	3.8	7
2	Fountain fringe field switching (FFFS) for wide viewing angle LCDs. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 185102.	2.8	1
3	Induction of the smectic A phase in liquid crystalline mixtures formulated using non-chiral compounds with positive and negative dielectric anisotropy. <i>Phase Transitions</i> , 2022, 95, 523-536.	1.3	3
4	Observation of second-order meron polarization textures in optical microcavities. <i>Optica</i> , 2021, 8, 255.	9.3	28
5	Investigation of the tilt angle and spontaneous polarisation of antiferroelectric liquid crystals with a chiral centre based on (S)-(+)-3-octanol. <i>Journal of Molecular Liquids</i> , 2021, 328, 115378.	4.9	7
6	Realizing Optical Persistent Spin Helix and Stern-Gerlach Deflection in an Anisotropic Liquid Crystal Microcavity. <i>Physical Review Letters</i> , 2021, 127, 190401.	7.8	14
7	Antiferroelectric and ferroelectric mesophases created by (S) enantiomers with a short oligomethylene spacer and their usefulness in the formulation of orthoconic mixtures. <i>Journal of Molecular Liquids</i> , 2020, 320, 114452.	4.9	5
8	Orientation control of ideal blue phase photonic crystals. <i>Scientific Reports</i> , 2020, 10, 10148.	3.3	24
9	Pyrimidine-based ferroelectric mixtures – The influence of oligophenyl based chiral doping system. <i>Journal of Molecular Liquids</i> , 2020, 303, 112693.	4.9	10
10	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. <i>Journal of Molecular Liquids</i> , 2020, 309, 113141.	4.9	5
11	Fast self-assembly of macroscopic blue phase 3D photonic crystals. <i>Optics Express</i> , 2020, 28, 18202.	3.4	18
12	Engineering spin-orbit synthetic Hamiltonians in liquid-crystal optical cavities. <i>Science</i> , 2019, 366, 727-730.	12.6	93
13	An effect of chiral dopants on mesomorphic and electro-optical properties of ferroelectric smectic mixture. <i>Liquid Crystals</i> , 2019, 46, 2134-2148.	2.2	3
14	Wavefront imaging by using an inline holographic microscopy system based on a double-sideband filter. <i>Optics and Lasers in Engineering</i> , 2019, 113, 71-76.	3.8	6
15	Effect of lateral fluorine substitution far from the chiral center on mesomorphic behaviour of highly titled antiferroelectric (S) and (R) enantiomers. <i>Journal of Molecular Liquids</i> , 2018, 267, 504-510.	4.9	37
16	A direct assessment of refractive indices of nematic liquid crystals at broad VIS - MWIR range. <i>Liquid Crystals</i> , 2018, 45, 703-714.	2.2	6
17	Tunable optical spin Hall effect in a liquid crystal microcavity. <i>Light: Science and Applications</i> , 2018, 7, 74.	16.6	44
18	Refractive index matched liquid crystal cell for laser metrology application. <i>Liquid Crystals</i> , 2018, 45, 1690-1698.	2.2	3

#	ARTICLE	IF	CITATIONS
19	A new mesogenic mixture with antiferroelectric phase only at a broad temperature range. <i>Liquid Crystals</i> , 2016, 43, 1365-1374.	2.2	25
20	The properties of ferroelectric compound (S)-(+)-4-(1-methylheptyloxycarbonyl)phenyl 4-cyanoacetoxybut-1-oxy biphenyl-4-carboxylate and its ability of an antiferroelectric phase induction in mixtures. <i>Phase Transitions</i> , 2012, 85, 371-378.	1.3	1
21	The influence of the chiral terphenylate on the tilt angle in pyrimidine ferroelectric mixtures. <i>Phase Transitions</i> , 2012, 85, 364-370.	1.3	23
22	Synthesis and properties of new ferroelectric and antiferroelectric liquid crystals with a biphenyl benzoate rigid core. <i>Liquid Crystals</i> , 2012, 39, 1011-1032.	2.2	30
23	An Influence of a Single Fluorine Atom Position in the Molecular Rigid Core on Physical Properties of Orthoconic Antiferroelectric Liquid Crystal. <i>Ferroelectrics</i> , 2008, 365, 78-87.	0.6	23
24	High Birefringence Liquid Crystals Mixtures and their Selected Applications. <i>Advanced Materials Research</i> , 0, 909, 12-18.	0.3	6