Wojciech Kuczynski

List of Publications by Year
in descending order

67	988	471061 17	476904 29
papers	citations	h-index	g-index

69	69	69	408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Angular dependence of the linear and nonlinear electro-optic responses in a polar smectic liquid crystal. Liquid Crystals, 2019, 46, 977-985.	0.9	1
2	Jerzy MaÅ‚ecki. Phase Transitions, 2018, 91, 783-784.	0.6	0
3	Effect of polymer network on thermodynamic stability and switching behavior of the smectic-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msubsup><mml:mi>C</mml:mi><mml:mrow><mml:mi>l±</mml:mi></mml:mrow></mml:msubsup></mml:math> Physical Review E, 2017, 96, 052702.	0.8	2
4	Improvement of the blue phase stability in chiral nematic liquid crystal mixtures. Phase Transitions, 2017, 90, 95-98.	0.6	2
5	Application of second-harmonic electro-optical measurements in the study of polar liquid crystal phases. Liquid Crystals, 2016, 43, 1778-1783.	0.9	4
6	Non-linear electro-optical effects in the study of the helical smectic liquid crystals. Phase Transitions, 2016, 89, 376-382.	0.6	5
7	Electric-field-induced weakly chaotic transients in ferroelectric liquid crystals. Physical Review E, 2016, 93, 012702.	0.8	2
8	Flexo- and piezo-electric polarization of smectic layers in ferroelectric and antiferroelectric liquid crystals. Applied Physics Letters, 2015, 107, .	1.5	4
9	Nonlinear electro-optical spectroscopy of liquid crystals possessing polar order. Phase Transitions, 2014, 87, 770-776.	0.6	4
10	Exploration of liquid crystal structures using fluorescent confocal polarizing microscopy. Phase Transitions, 2014, 87, 1073-1079.	0.6	4
11	Director distribution and surface anchoring potential in Grandjean-Cano wedge. Liquid Crystals, 2014, 41, 1448-1454.	0.9	11
12	Examination of three new fluorinated tilted smectics. Phase Transitions, 2013, 86, 147-152.	0.6	1
13	Solitons in surface stabilized ferroelectric liquid crystals and the determination of the twist elastic constant. Phase Transitions, 2012, 85, 345-352.	0.6	3
14	Comparison of methods for determination of viscoelastic properties in chiral smectics C*. Phase Transitions, 2012, 85, 358-363.	0.6	4
15	Determination of Order Parameters in Laterally Fluorosubstituted Terphenyls by¹⁹F-NMR, Optical and Dielectric Anisotropies. Molecular Crystals and Liquid Crystals, 2011, 541, 104/[342]-117/[355].	0.4	9
16	Determination of twist elastic constant in antiferroelectric liquid crystals. Measurement Science and Technology, 2011, 22, 085707.	1.4	11
17	Determination of Viscoelastic Properties in a Chiral Smectic C* Liquid Crystal Using Different Methods. Molecular Crystals and Liquid Crystals, 2011, 544, 95/[1083]-99/[1087].	0.4	1
18	Determination of bulk values of twist elasticity coefficient in a chiral smectic C* liquid crystal. Opto-electronics Review, 2010, 18, .	2.4	4

#	Article	IF	Citations
19	Behavior of the helix in some chiral smectic-Câ^—liquid crystals. Physical Review E, 2010, 81, 021708.	0.8	18
20	Field-induced dynamics of ferroelectric liquid crystals with elastic interfacial confinement. Soft Matter, 2010, 6, 2786.	1.2	11
21	Non-linear electrooptic effect in antiferroelectric liquid crystal. Opto-electronics Review, 2009, 17, .	2.4	13
22	Determination of the bulk rotational viscosity coefficient in a chiral smectic C* liquid crystal. Phase Transitions, 2009, 82, 444-451.	0.6	10
23	Comparison of dielectric and optical responses of chevron ferroelectric liquid crystals. Opto-electronics Review, 2008, 16, .	2.4	3
24	Motion of Nonsingular Walls in Plane Layer of Twisted Nematics. Molecular Crystals and Liquid Crystals, 2008, 480, 243-261.	0.4	2
25	Experimental evidence of the electric-field induced critical behaviour of the smectic C*â€“alpha phase. Phase Transitions, 2007, 80, 841-849.	0.6	5
26	Dielectric Investigations of Induced Twist Grain Boundary Phases in the Binary Mixtures of Cholesteryl Benzoate and Di-Heptyloxyazoxybenzene. Ferroelectrics, 2006, 343, 69-82.	0.3	17
27	Comparison of the Crystal and Molecular Structures of Three Similar 4-Heptyl-biphenyl Compounds: 4-Heptyl-4â€²-cyanobiphenyl, 4-Heptyl-3â€²-cyanobiphenyl, and 4-Heptyl-4â€²-nitrobiphenyl. Molecular Crystals and Liquid Crystals, 2006, 457, 93-103.	0.4	2
28	Measurements of absolute values of electrooptic coefficients in a ferroelectric liquid crystal. Phase Transitions, 2006, 79, 213-222.	0.6	12
29	Surface Anchoring and Twisting of Thin Nematic Layers Influenced by Thermal Fluctuations. Molecular Crystals and Liquid Crystals, 2005, 438, 123/[1687]-140/[1704].	0.4	4
30	Determination of piezoelectric and flexoelectric polarization in ferroelectric liquid crystals. Physical Review E, 2005, 72, 041701.	0.8	9
31	Nematic order parameter as determined from dielectric relaxation data and other methods. Physical Chemistry Chemical Physics, 2003, 5, 924-928.	1.3	39
32	Dielectric Relaxation in Liquid Crystal Phases with Polar Order. Ferroelectrics, 2003, 297, 91-105.	0.3	11
33	Determination of Orientational Order Parameter in Various Liquid-Crystalline Phases. Molecular Crystals and Liquid Crystals, 2002, 381, 1-19.	0.4	96
34	Phase Transitions in a Liquid Crystal with Long-Range Dipole Order. Ferroelectrics, 2002, 274, 83-100.	0.3	20
35	The orientational order in nematic liquid crystals from birefringence measurements. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 512-515.	1.8	45
36	Systems with Enhanced Antiferroelectric Phase. Phase Diagrams, Dielectric and Electro-Optic Studies. Molecular Crystals and Liquid Crystals, 2001, 365, 199-211.	0.3	4

#	Article	IF	Citations
37	KINETICS OF THE TRANSITION BETWEEN FERROELECTRIC AND ANTIFERROELECTRIC STATES IN LIQUID-CRYSTALLINE MIXTURES. Molecular Crystals and Liquid Crystals, 2001, 366, 771-784.	0.3	1
38	Bicomponent System with Induced Antiferroelectric SmC_A* Phase. Molecular Crystals and Liquid Crystals, 2001, 365, 189-198.	0.3	7
39	Bicomponent Systems with Induced or Enhanced Antirerroelectric SmC_A* Phase. Molecular Crystals and Liquid Crystals, 2000, 351, 287-296.	0.3	21
40	Linear and quadratic electrooptic effects in antiferroelectric liquid crystals. Ferroelectrics, 2000, 244, 191-199.	0.3	9
41	Dielectric studies of the bias field effect on the soft mode of a ferroelectric liquid crystal. Ferroelectrics, 1998, 209, 483-503.	0.3	2
42	Electric field induced domain structure in ferroelectric liquid crystal DOBAMBC. Ferroelectrics, 1995, 172, 383-392.	0.3	3
43	Mesomorphic properties of a homologous series of chiral liquid crystals containing the Î±-chloroester group. Liquid Crystals, 1995, 19, 151-157.	0.9	18
44	Twist Grain Boundary Phases in Binary Mixtures. Molecular Crystals and Liquid Crystals, 1995, 260, 377-386.	0.3	44
45	Dielectric properties of a surface stabilized ferroelectric liquid crystal in cells of various thickness. Ferroelectrics, 1995, 173, 157-170.	0.3	10
46	New diastereomeric compound with cholesteric twist inversion. Liquid Crystals, 1995, 18, 443-449.	0.9	23
47	Dielectric Method for the Determination of Twist Elastic Constants in Tilted Smectic Liquid Crystals. Molecular Crystals and Liquid Crystals, 1994, 249, 97-104.	0.3	4
48	Observation of mixingâ€induced twist grain boundary phases in liquid crystals. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1994, 98, 1322-1324.	0.9	14
49	The Origin of the Helical Twist Inversion in Single Component Cholesteric Liquid Crystals. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1994, 49, 1081-1086.	0.7	23
50	Investigation of ferroelectric modes in liquid crystals using dielectric and optical methods. Ferroelectrics, 1993, 150, 279-290.	0.3	16
51	Induced smectic C* phases. Liquid Crystals, 1991, 10, 295-310.	0.9	32
52	Electric field effect on the SmA - SmC phase transition. Ferroelectrics, 1991, 114, 319-327.	0.3	10
53	Electric Field Effect on the Soft and Goldstone Modes in Ferroelectric Liquid Crystals. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 192, 295-299.	0.3	1
54	Biaxiality of the Ferroelectric Liquid Crystal DOBAMBC in Electric Field. Physica Status Solidi A, 1989, 112, 617-624.	1.7	3

#	Article	IF	Citations
55	The helical structure of highly ordered smectic phases. Liquid Crystals, 1989, 5, 553-562.	0.9	25
56	Doping-induced ferroelectricity in liquid crystals. Ferroelectrics, 1988, 84, 73-88.	0.3	4
57	The soft-mode ferroelectric effect. Ferroelectrics, 1988, 84, 285-315.	0.3	129
58	Helical Twisting Power of Induced Twisted Smectic C* Phases. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1987, 91, 3-7.	0.9	10
59	The determination of dielectric anisotropy in ferroelectric smectic C. Ferroelectrics, 1987, 76, 61-67.	0.3	26
60	Fast-Switching Low-Temperature Liquid Crystal Mixtures. Molecular Crystals and Liquid Crystals, 1987, 146, 173-187.	0.9	29
61	Electric field effect of electric permittivity of chiral smectic C. Ferroelectrics, Letters Section, 1985, 4, 89-94.	0.4	9
62	Properties of the Blue Phase in Liquid Crystalline MMBC. Molecular Crystals and Liquid Crystals, 1985, 130, 1-10.	0.9	12
63	Linear electrooptic effect in a ferroelectric liquid crystal. Ferroelectrics, 1984, 59, 117-120.	0.3	8
64	Determination of elasticity and viscosity coefficients in a ferroelectric smectic c liquid crystal. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1981, 85, 234-237.	0.9	35
65	A Model of the Blue Phase of Cholesteryl Esters. Molecular Crystals and Liquid Crystals, 1980, 56, 283-287.	0.9	15
66	Optical Study of a Chiral Smectic C Under Shear. Molecular Crystals and Liquid Crystals, 1977, 38, 275-301.	0.9	46
67	Methods of Optical Birefringence Determination in Liquid Crystals from Interference Measurements. Molecular Crystals and Liquid Crystals, 1976, 34, 203-209.	0.9	4