

# Wojciech Kuczynski

## List of Publications by Year in descending order

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67  
papers

988  
citations

471061

17  
h-index

476904

29  
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69  
all docs

69  
docs citations

69  
times ranked

408  
citing authors

#	ARTICLE	IF	CITATIONS
1	The soft-mode ferroelectric effect. <i>Ferroelectrics</i> , 1988, 84, 285-315.	0.3	129
2	Determination of Orientational Order Parameter in Various Liquid-Crystalline Phases. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 381, 1-19.	0.4	96
3	Optical Study of a Chiral Smectic C Under Shear. <i>Molecular Crystals and Liquid Crystals</i> , 1977, 38, 275-301.	0.9	46
4	The orientational order in nematic liquid crystals from birefringence measurements. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2001, 8, 512-515.	1.8	45
5	Twist Grain Boundary Phases in Binary Mixtures. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 260, 377-386.	0.3	44
6	Nematic order parameter as determined from dielectric relaxation data and other methods. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 924-928.	1.3	39
7	Determination of elasticity and viscosity coefficients in a ferroelectric smectic c liquid crystal. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1981, 85, 234-237.	0.9	35
8	Induced smectic C* phases. <i>Liquid Crystals</i> , 1991, 10, 295-310.	0.9	32
9	Fast-Switching Low-Temperature Liquid Crystal Mixtures. <i>Molecular Crystals and Liquid Crystals</i> , 1987, 146, 173-187.	0.9	29
10	The determination of dielectric anisotropy in ferroelectric smectic C. <i>Ferroelectrics</i> , 1987, 76, 61-67.	0.3	26
11	The helical structure of highly ordered smectic phases. <i>Liquid Crystals</i> , 1989, 5, 553-562.	0.9	25
12	The Origin of the Helical Twist Inversion in Single Component Cholesteric Liquid Crystals. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1994, 49, 1081-1086.	0.7	23
13	New diastereomeric compound with cholesteric twist inversion. <i>Liquid Crystals</i> , 1995, 18, 443-449.	0.9	23
14	Bicomponent Systems with Induced or Enhanced Antiferroelectric SmC <sub>A</sub> * Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 351, 287-296.	0.3	21
15	Phase Transitions in a Liquid Crystal with Long-Range Dipole Order. <i>Ferroelectrics</i> , 2002, 274, 83-100.	0.3	20
16	Mesomorphic properties of a homologous series of chiral liquid crystals containing the $\hat{\pm}$ -chloroester group. <i>Liquid Crystals</i> , 1995, 19, 151-157.	0.9	18
17	Behavior of the helix in some chiral smectic-C*—liquid crystals. <i>Physical Review E</i> , 2010, 81, 021708.	0.8	18
18	Dielectric Investigations of Induced Twist Grain Boundary Phases in the Binary Mixtures of Cholesteryl Benzoate and Di-Heptyloxyazoxybenzene. <i>Ferroelectrics</i> , 2006, 343, 69-82.	0.3	17

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19	Investigation of ferroelectric modes in liquid crystals using dielectric and optical methods. <i>Ferroelectrics</i> , 1993, 150, 279-290.	0.3	16
20	A Model of the Blue Phase of Cholesteryl Esters. <i>Molecular Crystals and Liquid Crystals</i> , 1980, 56, 283-287.	0.9	15
21	Observation of mixing-induced twist grain boundary phases in liquid crystals. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1994, 98, 1322-1324.	0.9	14
22	Non-linear electrooptic effect in antiferroelectric liquid crystal. <i>Opto-electronics Review</i> , 2009, 17, .	2.4	13
23	Properties of the Blue Phase in Liquid Crystalline MMBC. <i>Molecular Crystals and Liquid Crystals</i> , 1985, 130, 1-10.	0.9	12
24	Measurements of absolute values of electrooptic coefficients in a ferroelectric liquid crystal. <i>Phase Transitions</i> , 2006, 79, 213-222.	0.6	12
25	Dielectric Relaxation in Liquid Crystal Phases with Polar Order. <i>Ferroelectrics</i> , 2003, 297, 91-105.	0.3	11
26	Field-induced dynamics of ferroelectric liquid crystals with elastic interfacial confinement. <i>Soft Matter</i> , 2010, 6, 2786.	1.2	11
27	Determination of twist elastic constant in antiferroelectric liquid crystals. <i>Measurement Science and Technology</i> , 2011, 22, 085707.	1.4	11
28	Director distribution and surface anchoring potential in Grandjean-Cano wedge. <i>Liquid Crystals</i> , 2014, 41, 1448-1454.	0.9	11
29	Helical Twisting Power of Induced Twisted Smectic C* Phases. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1987, 91, 3-7.	0.9	10
30	Electric field effect on the SmA - SmC phase transition. <i>Ferroelectrics</i> , 1991, 114, 319-327.	0.3	10
31	Dielectric properties of a surface stabilized ferroelectric liquid crystal in cells of various thickness. <i>Ferroelectrics</i> , 1995, 173, 157-170.	0.3	10
32	Determination of the bulk rotational viscosity coefficient in a chiral smectic C* liquid crystal. <i>Phase Transitions</i> , 2009, 82, 444-451.	0.6	10
33	Electric field effect of electric permittivity of chiral smectic C. <i>Ferroelectrics, Letters Section</i> , 1985, 4, 89-94.	0.4	9
34	Linear and quadratic electrooptic effects in antiferroelectric liquid crystals. <i>Ferroelectrics</i> , 2000, 244, 191-199.	0.3	9
35	Determination of piezoelectric and flexoelectric polarization in ferroelectric liquid crystals. <i>Physical Review E</i> , 2005, 72, 041701.	0.8	9
36	Determination of Order Parameters in Laterally Fluorosubstituted Terphenyls by <sup>19</sup> F-NMR, Optical and Dielectric Anisotropies. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 541, 104/[342]-117/[355].	0.4	9

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37	Linear electrooptic effect in a ferroelectric liquid crystal. <i>Ferroelectrics</i> , 1984, 59, 117-120.	0.3	8
38	Bicomponent System with Induced Antiferroelectric $\text{SmC}_A^*$ Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 365, 189-198.	0.3	7
39	Experimental evidence of the electric-field induced critical behaviour of the smectic $C^*\alpha$ phase. <i>Phase Transitions</i> , 2007, 80, 841-849.	0.6	5
40	Non-linear electro-optical effects in the study of the helical smectic liquid crystals. <i>Phase Transitions</i> , 2016, 89, 376-382.	0.6	5
41	Methods of Optical Birefringence Determination in Liquid Crystals from Interference Measurements. <i>Molecular Crystals and Liquid Crystals</i> , 1976, 34, 203-209.	0.9	4
42	Doping-induced ferroelectricity in liquid crystals. <i>Ferroelectrics</i> , 1988, 84, 73-88.	0.3	4
43	Dielectric Method for the Determination of Twist Elastic Constants in Tilted Smectic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 249, 97-104.	0.3	4
44	Systems with Enhanced Antiferroelectric Phase. <i>Phase Diagrams, Dielectric and Electro-Optic Studies</i> . <i>Molecular Crystals and Liquid Crystals</i> , 2001, 365, 199-211.	0.3	4
45	Surface Anchoring and Twisting of Thin Nematic Layers Influenced by Thermal Fluctuations. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 438, 123/[1687]-140/[1704].	0.4	4
46	Determination of bulk values of twist elasticity coefficient in a chiral smectic $C^*$ liquid crystal. <i>Opto-electronics Review</i> , 2010, 18, .	2.4	4
47	Comparison of methods for determination of viscoelastic properties in chiral smectics $C^*$ . <i>Phase Transitions</i> , 2012, 85, 358-363.	0.6	4
48	Nonlinear electro-optical spectroscopy of liquid crystals possessing polar order. <i>Phase Transitions</i> , 2014, 87, 770-776.	0.6	4
49	Exploration of liquid crystal structures using fluorescent confocal polarizing microscopy. <i>Phase Transitions</i> , 2014, 87, 1073-1079.	0.6	4
50	Flexo- and piezo-electric polarization of smectic layers in ferroelectric and antiferroelectric liquid crystals. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	4
51	Application of second-harmonic electro-optical measurements in the study of polar liquid crystal phases. <i>Liquid Crystals</i> , 2016, 43, 1778-1783.	0.9	4
52	Biaxiality of the Ferroelectric Liquid Crystal DOBAMBC in Electric Field. <i>Physica Status Solidi A</i> , 1989, 112, 617-624.	1.7	3
53	Electric field induced domain structure in ferroelectric liquid crystal DOBAMBC. <i>Ferroelectrics</i> , 1995, 172, 383-392.	0.3	3
54	Comparison of dielectric and optical responses of chevron ferroelectric liquid crystals. <i>Opto-electronics Review</i> , 2008, 16, .	2.4	3

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55	Solitons in surface stabilized ferroelectric liquid crystals and the determination of the twist elastic constant. <i>Phase Transitions</i> , 2012, 85, 345-352.	0.6	3
56	Dielectric studies of the bias field effect on the soft mode of a ferroelectric liquid crystal. <i>Ferroelectrics</i> , 1998, 209, 483-503.	0.3	2
57	Comparison of the Crystal and Molecular Structures of Three Similar 4-Heptyl-biphenyl Compounds: 4-Heptyl-4- $\epsilon^2$ -cyanobiphenyl, 4-Heptyl-3- $\epsilon^2$ -cyanobiphenyl, and 4-Heptyl-4- $\epsilon^2$ -nitrobiphenyl. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 457, 93-103.	0.4	2
58	Motion of Nonsingular Walls in Plane Layer of Twisted Nematics. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 480, 243-261.	0.4	2
59	Electric-field-induced weakly chaotic transients in ferroelectric liquid crystals. <i>Physical Review E</i> , 2016, 93, 012702.	0.8	2
60	Effect of polymer network on thermodynamic stability and switching behavior of the smectic- $C$ liquid crystal. <i>Physical Review E</i> , 2017, 96, 052702.	0.8	2
61	Improvement of the blue phase stability in chiral nematic liquid crystal mixtures. <i>Phase Transitions</i> , 2017, 90, 95-98.	0.6	2
62	Electric Field Effect on the Soft and Goldstone Modes in Ferroelectric Liquid Crystals. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990, 192, 295-299.	0.3	1
63	KINETICS OF THE TRANSITION BETWEEN FERROELECTRIC AND ANTIFERROELECTRIC STATES IN LIQUID-CRYSTALLINE MIXTURES. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 366, 771-784.	0.3	1
64	Determination of Viscoelastic Properties in a Chiral Smectic $C^*$ Liquid Crystal Using Different Methods. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 544, 95/[1083]-99/[1087].	0.4	1
65	Examination of three new fluorinated tilted smectics. <i>Phase Transitions</i> , 2013, 86, 147-152.	0.6	1
66	Angular dependence of the linear and nonlinear electro-optic responses in a polar smectic liquid crystal. <i>Liquid Crystals</i> , 2019, 46, 977-985.	0.9	1
67	Jerzy MaÅ,ecki. <i>Phase Transitions</i> , 2018, 91, 783-784.	0.6	0