

Maria Massalska-ArodÅ°

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Molecular dynamics and crystallization behaviour of isopentyl cyanobiphenyl as studied by dielectric relaxation spectroscopy. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 387-394.	1.7	69
2	Molecular Dynamics and Crystallization Behavior of Chiral Isooctyloxycyanobiphenyl as Studied by Dielectric Relaxation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4197-4205.	1.2	57
3	Kinetics of Cold Crystallization of 4-Cyano-3-fluorophenyl 4-Butylbenzoate (4CFPB) Glass Forming Liquid Crystal. I. Nonisothermal Process As Studied by Microscopic, Calorimetric, and Dielectric Methods. <i>Crystal Growth and Design</i> , 2015, 15, 2891-2900.	1.4	52
4	Signatures of glass transition in partially ordered phases. <i>Liquid Crystals</i> , 2013, 40, 1436-1442.	0.9	36
5	Thermodynamic properties of chiral liquid crystalline material (S)-4-(2-methylbutyl)-4'-cyanobiphenyl (5 ⁺ -CB). <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1232-1242.	1.0	25
6	Thermodynamic Study on a Chiral Glass Former, 4-(1-Methylheptyloxy)-4'-cyanobiphenyl. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5785-5790.	1.2	24
7	Interplay between Crystallization and Glass Transition in Nematic Liquid Crystal 2,7-Bis(4-pentylphenyl)-9,9-diethyl-9H-fluorene. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10627-10636.	1.2	21
8	Polymorphism of right handed (S) 4-(2-Methylbutyl) 4'-Cyanobiphenyl. <i>Phase Transitions</i> , 1999, 69, 199-213.	0.6	20
9	Glass Transition Dynamics and Crystallization Kinetics in the Smectic Liquid Crystal 4'-Butyloxybenzylidene-4'-octylaniline (BBOA). <i>Journal of Physical Chemistry B</i> , 2016, 120, 12160-12167.	1.2	19
10	CALORIMETRIC AND DIELECTRIC STUDIES OF RELAXATION ACCOMPANYING A GLASS TRANSITION IN THE RIGHT-HANDED ISOPENTYLCYANOBIPIHENYL (5 [*] CB). <i>Molecular Crystals and Liquid Crystals</i> , 2001, 366, 211-220.	0.3	18
11	Phase Transition and Structure Studies of a Liquid Crystalline Schiff-Base Compound (4O.8). <i>Molecular Crystals and Liquid Crystals</i> , 2011, 540, 127-134.	0.4	18
12	Dynamics in ferro- and antiferroelectric phases of a liquid crystal with fluorinated molecules as studied by dielectric spectroscopy. <i>Liquid Crystals</i> , 2013, 40, 1082-1088.	0.9	18
13	DSC studies of neohexanol and its isomers. <i>Phase Transitions</i> , 2006, 79, 899-909.	0.6	17
14	Relaxation dynamics and crystallization study of glass-forming chiral-nematic liquid crystal S,S-2,7-bis(4-pentylphenyl)-9,9-dimethylbutyl 9H-fluorene (5P-Am*FLAm*-P5). <i>European Physical Journal E</i> , 2019, 42, 121.	0.7	17
15	Mesomorphic and dynamic properties of 3F5BFBiHex antiferroelectric liquid crystal as reflected by polarized optical microscopy, differential scanning calorimetry and broadband dielectric spectroscopy. <i>Journal of Molecular Liquids</i> , 2020, 320, 114338.	2.3	15
16	X-ray studies of the smectic B phase of the 4-bromobenzylidene-4'-alkoxyanilines. <i>Phase Transitions</i> , 2012, 85, 314-321.	0.6	14
17	Dynamics and Phase Transitions of 4-Bromobenzylidene-4'-pentyloxyaniline and 4-Bromobenzylidene-4'-hexyloxyaniline as Studied by Dielectric Spectroscopy. <i>Acta Physica Polonica A</i> , 2013, 124, 913-916.	0.2	14
18	Structure and molecular packing in smectic B _{Cr} and A _d phases of Schiff base liquid crystal compounds through the analyses of layer spacing, entropy and crystal structure. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19434-19441.	1.3	14

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19	Polymorphism of righthanded octyloxycyanobiphenyl. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 522-526.	1.8	13
20	Phase Behavior and Dynamics of the Liquid Crystal 4- ϵ^2 -butyl-4-(2-methylbutoxy)azoxybenzene (4ABO5*). Journal of Physical Chemistry B, 2014, 118, 141212113427005.	1.2	13
21	Insight into polymorphism of the ethosuximide (ETX). Journal of Thermal Analysis and Calorimetry, 2018, 133, 961-967.	2.0	13
22	Studies of Polymorphism of Right Handed (S)-4-(2-Methylbutyl)-4- ϵ^2 -Cyanobiphenyl. Molecular Crystals and Liquid Crystals, 1999, 330, 391-399.	0.3	12
23	Molecular Dynamics of 4-Cyano-3-Fluorophenyl 4-Butylbenzoate as Studied by Dielectric Relaxation Spectroscopy. Acta Physica Polonica A, 2010, 117, 532-536.	0.2	11
24	Neutron-scattering study of low-energy excitations in some organic glass formers. Physica B: Condensed Matter, 2006, 371, 249-256.	1.3	10
25	Dielectric Spectroscopy Studies of 4-Cyano-3-fluorophenyl 4-Butylbenzoate Liquid Crystal at High Pressure. Acta Physica Polonica A, 2012, 122, 378-381.	0.2	9
26	Quasi-elastic neutron scattering of cyanobiphenyl compounds with different terminal chains. Journal of Non-Crystalline Solids, 2011, 357, 734-739.	1.5	7
27	Molecular dynamics of 4-cyano-3-fluorophenyl 4-butylbenzoate (4CFPB) glass-forming liquid crystal in unidirectional silicon nanopores. Liquid Crystals, 2014, 41, 1073-1079.	0.9	7
28	Scanning mode of the upgraded FTS-14 Digilab spectrometer " study of 8-OCB polymorphism. Journal of Molecular Structure, 2001, 596, 229-234.	1.8	6
29	Disorder in crystalline phases of chiral glass formers 5-CB and 8-OCB evidenced by the low temperature heat capacity. Chemical Physics Letters, 2008, 463, 90-93.	1.2	6
30	(S)-4-(2-Methylbutyl)-4- ϵ^2 -Cyanobiphenyl (5*CB) Glass Former: Are the Crystalline Polymorphs Ordered?. Molecular Crystals and Liquid Crystals, 2011, 540, 102-110.	0.4	6
31	Dynamics of the Chiral Liquid Crystal 4- ϵ^2 -Butyl-4-(S)-2-methylbutoxy)azoxybenzene in the Isotropic, Cholesteric, and Solid Phases: A Fast Field-Cycling NMR Relaxometry Study. Journal of Physical Chemistry B, 2016, 120, 5083-5092.	1.2	6
32	Effect of flip-flop motion on dielectric spectra of highly ordered liquid crystals. Physical Review E, 2015, 92, 052503.	0.8	5
33	Dynamics of 4-(2-hexyloxy-ethoxy) 4'-cyanobiphenyl Molecules on Approaching a Glass Transition as Studied by Dielectric Spectroscopy. Acta Physica Polonica A, 2003, 104, 527-536.	0.2	4
34	Dynamics of Dimethylbutanols in Plastic Crystalline Phases by Field Cycling ¹ H NMR Relaxometry. Journal of Physical Chemistry B, 2018, 122, 9792-9802.	1.2	3
35	Low-temperature dynamics of (S)-4-(1-methylheptyloxy)-4- ϵ^1 -cyanobiphenyl (8*OCB) and (S)-4-(2-methylbutyl)-4- ϵ^1 -cyanobiphenyl (5*CB) in disordered crystalline and glassy phases. Liquid Crystals, 2019, 46, 94-101.	0.9	2
36	Studies of New Antiferroelectric Liquid Crystal Based on Quantum-Chemical Model. Acta Physica Polonica A, 2013, 124, 949-953.	0.2	0

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37	Molecular Dynamics of a Liquid Crystal with Highly Ordered Smectic E Phase under Different Forms of Confinement. Proceedings (mdpi), 2019, 26, .	0.2	0