

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. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 387-394.	1.7	69
2	Molecular Dynamics and Crystallization Behavior of Chiral Isooctyloxycyanobiphenyl as Studied by Dielectric Relaxation Spectroscopy. Journal of Physical Chemistry B, 1999, 103, 4197-4205.	2.6	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. Crystal Growth and Design, 2015, 15, 2891-2900.	3.0	52
4	Signatures of glass transition in partially ordered phases. Liquid Crystals, 2013, 40, 1436-1442.	2.2	36
5	Thermodynamic properties of chiral liquid crystalline material (S)-4-(2-methylbutyl)-4'-cyanobiphenyl (5â—CB). Journal of Chemical Thermodynamics, 2008, 40, 1232-1242.	2.0	25
6	Thermodynamic Study on a Chiral Glass Former, 4-(1-Methylheptyloxy)-4'-cyanobiphenyl. Journal of Physical Chemistry B, 2004, 108, 5785-5790.	2.6	24
7	Interplay between Crystallization and Glass Transition in Nematic Liquid Crystal 2,7-Bis(4-pentylphenyl)-9,9-diethyl-9H-fluorene. Journal of Physical Chemistry B, 2018, 122, 10627-10636.	2.6	21
8	Polymorphism of right handed (S) 4-(2-Methylbutyl) 4'-Cyanobiphenyl. Phase Transitions, 1999, 69, 199-213.	1.3	20
9	Glass Transition Dynamics and Crystallization Kinetics in the Smectic Liquid Crystal 4'-Butyloxybenzylidene-4'-octylaniline (BBOA). Journal of Physical Chemistry B, 2016, 120, 12160-12167.	2.6	19
10	CALORIMETRIC AND DIELECTRIC STUDIES OF RELAXATION ACCOMPANYING A GLASS TRANSITION IN THE RIGHT-HANDED ISOPENTYLCYANOBIPHENYL (5*CB). Molecular Crystals and Liquid Crystals, 2001, 366, 211-220.	0.3	18
11	Phase Transition and Structure Studies of a Liquid Crystalline Schiff-Base Compound (4O.8). Molecular Crystals and Liquid Crystals, 2011, 540, 127-134.	0.9	18
12	Dynamics in ferro- and antiferroelectric phases of a liquid crystal with fluorinated molecules as studied by dielectric spectroscopy. Liquid Crystals, 2013, 40, 1082-1088.	2.2	18
13	DSC studies of neohexanol and its isomers. Phase Transitions, 2006, 79, 899-909.	1.3	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). European Physical Journal E, 2019, 42, 121.	1.6	17
15	Mesomorphic and dynamic properties of 3F5BFBiHex antiferroelectric liquid crystal as reflected by polarized optical microscopy, differential scanning calorimetry and broadband dielectric spectroscopy. Journal of Molecular Liquids, 2020, 320, 114338.	4.9	15
16	X-ray studies of the smectic B phase of the 4-bromobenzylidene-4'-alkoxyanilines. Phase Transitions, 2012, 85, 314-321.	1.3	14
17	Dynamics and Phase Transitions of 4-Bromobenzylidene-4'-pentyloxyaniline and 4-Bromobenzylidene-4'-hexyloxyaniline as Studied by Dielectric Spectroscopy. Acta Physica Polonica A, 2013, 124, 913-916.	0.5	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. Physical Chemistry Chemical Physics, 2017, 19, 19434-19441.	2.8	14

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19	Polymorphism of righthanded octyloxycyanobiphenyl. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 522-526.	2.9	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.	2.6	13
21	Insight into polymorphism of the ethosuximide (ETX). Journal of Thermal Analysis and Calorimetry, 2018, 133, 961-967.	3.6	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.	0.5	11
24	Neutron-scattering study of low-energy excitations in some organic glass formers. Physica B: Condensed Matter, 2006, 371, 249-256.	2.7	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.	0.5	9
26	Quasi-elastic neutron scattering of cyanobiphenyl compounds with different terminal chains. Journal of Non-Crystalline Solids, 2011, 357, 734-739.	3.1	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.	2.2	7
28	Scanning mode of the upgraded FTS-14 Digilab spectrometer " study of 8-OCB polymorphism. Journal of Molecular Structure, 2001, 596, 229-234.	3.6	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.	2.6	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.	0.9	6
31	Dynamics of the Chiral Liquid Crystal 4- ϵ^2 -Butyl-4-(S)-4-(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.	2.6	6
32	Effect of flip-flop motion on dielectric spectra of highly ordered liquid crystals. Physical Review E, 2015, 92, 052503.	2.1	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.	0.5	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.	2.6	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.	2.2	2
36	Studies of New Antiferroelectric Liquid Crystal Based on Quantum-Chemical Model. Acta Physica Polonica A, 2013, 124, 949-953.	0.5	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