Wojciech Zajac

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	On relaxation and vibrational dynamics in the thermodynamic states of a chiral smectogenic glass-former. Physical Chemistry Chemical Physics, 2022, 24, 4595-4612.	2.8	8
2	Vibrational dynamics of ethosuximide polymorphs. Infrared absorption and inelastic neutron scattering spectroscopy and model calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, , 121468.	3.9	1
3	Effect of high pressure on relaxation dynamics and crystallization kinetics of chiral liquid crystal in its smectic phase. Physical Chemistry Chemical Physics, 2021, 23, 17466-17478.	2.8	11
4	On the relaxation dynamics of a double glass-forming antiferroelectric liquid crystal. Physical Chemistry Chemical Physics, 2021, 23, 8673-8688.	2.8	19
5	Investigation of crystallization kinetics and its relationship with molecular dynamics for chiral fluorinated glassforming smectogen 3F5HPhH6. Physical Chemistry Chemical Physics, 2021, 23, 19795-19810.	2.8	14
6	Molecular Dynamics and Kinetics of Isothermal Cold Crystallization in the Chiral Smectogenic 3F7FPhH6 Glassformer. Crystals, 2021, 11, 1487.	2.2	5
7	Non-isothermal and isothermal cold crystallization of glass-forming chiral smectic liquid crystal (S)-4′-(1-methyloctyloxycarbonyl) biphenyl-4-yl 4-[7-(2,2,3,3,4,4,4-heptafluorobutoxy) heptyl-1-oxy]-benzoate. Journal of Molecular Liquids, 2020, 319, 114153.	4.9	21
8	Vibrational Dynamics of a Chiral Smectic Liquid Crystal Undergoing Vitrification and Cold Crystallization. Crystals, 2020, 10, 655.	2.2	17
9	Can the Isothermal Calorimetric Curve Shapes Suggest the Structural Changes in Micellar Aggregates?. International Journal of Molecular Sciences, 2020, 21, 5828.	4.1	3
10	Mesomorphic behaviour and vibrational dynamics of <i>n</i> CFPB liquid crystalline homologues. Phase Transitions, 2019, 92, 1077-1088.	1.3	3
11	Molecular Dynamic in Ethosuximide Glass Forming Pharmaceutical as Studied by Dielectric Relaxation Spectroscopy. Journal of Pharmaceutical Sciences, 2019, 108, 102-108.	3.3	6
12	Vibrational dynamics of glass forming: 2-phenylbutan-1-ol (BEP), 2-(trifluoromethyl)phenethyl alcohol (2TFMP) and 4-(trifluoromethyl)phenethyl alcohol (4TFMP) in their thermodynamic phases. Phase Transitions, 2018, 91, 170-185.	1.3	5
13	Phase polymorphism and thermal stability of new cholesterol thioesters derivatives. Liquid Crystals, 2015, 42, 1405-1418.	2.2	2
14	Thermal analysis and simulation model of natural lithocholic acid. Journal of Thermal Analysis and Calorimetry, 2015, 122, 55-64.	3.6	2
15	Mesomorphic properties of resorcinol. Journal of Molecular Structure, 2015, 1082, 103-113.	3.6	10
16	Polymorphism and Initial Structure Modelling of a New Mesogen 9OSBch. Acta Physica Polonica A, 2013, 124, 959-963.	0.5	1
17	How Random Is a Random Polymer Coil?. Acta Physica Polonica A, 2012, 121, 464-467.	0.5	0
18	Zinc in native tissues and cultured cell lines of human prostate studied by SRâ€XRF and XANES. X-Ray Spectrometry, 2009, 38, 557-562.	1.4	12

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19	Short Range Order in Polymers within Neutrons' Eyeshot. Acta Physica Polonica A, 2009, 115, 594-598.	0.5	2
20	Measurements of residual strains in ceramic–elastomer composites with diffuse scattering of polarized neutrons. Acta Materialia, 2008, 56, 5964-5971.	7.9	3
21	Immiscibility–miscibility transition in lithium-sulphonated polystyrene/polycarbonate blends as seen by small-angle neutron scattering. Phase Transitions, 2007, 80, 501-509.	1.3	1
22	Specific Detection of Glycans on a Plasma Membrane of Living Cells with Atomic Force Microscopy. Chemistry and Biology, 2006, 13, 505-512.	6.0	24
23	Stochastic molecular motions in the nematic, smectic-A, and solid phases ofp,p′-di-n-heptyl-azoxybenzene as seen by quasielastic neutron scattering andC13cross-polarization magic-angle-spinning NMR. Physical Review E, 2006, 73, 051704.	2.1	6
24	High-Resolution Incoherent Inelastic Neutron Scattering Spectra of Polyisobutylene and Polyisoprene. Macromolecules, 2005, 38, 160-166.	4.8	11
25	Structure of flexible telechelic zwitterions in solutions. Physica B: Condensed Matter, 2004, 350, E975-E977.	2.7	2
26	Neutron Compton scattering studies of stretched polyethylene. Applied Physics A: Materials Science and Processing, 2002, 74, s1645-s1647.	2.3	4
27	Scattering of acoustic waves from a surface in the presence of an anharmonic interface. Physica B: Condensed Matter, 2002, 316-317, 483-485.	2.7	2
28	Structure of poly(ethylene oxide) (PEO and PEO·LiSO3CF3) studied with spin polarised neutrons. Solid State lonics, 2002, 147, 213-223.	2.7	7
29	Trace element analysis of tissue section by means of synchrotron radiation: the use of GNUPLOT for SRIXE spectra analysis. Journal of Alloys and Compounds, 2001, 328, 135-138.	5.5	15
30	Anomalous diffraction with soft X-ray synchrotron radiation: DANES from pentakismethylammonium undecachlorodibismuthate at the K absorption edge of chlorine. Journal of Alloys and Compounds, 2001, 328, 64-70.	5.5	2
31	Small angle neutron scattering study of SPBT/PC blends. Polymer, 2001, 42, 1679-1690.	3.8	14
32	QENS from "soft―systems: why use polarised neutrons?. Physica B: Condensed Matter, 2001, 301, 69-77.	2.7	5
33	Short-range order in blends of polycarbonates with polystyrenes. Physica B: Condensed Matter, 2000, 276-278, 849-851.	2.7	2
34	Neutron and X-ray scattering studies of ionomer blends. Physica B: Condensed Matter, 2000, 276-278, 911-913.	2.7	0
35	Quasielastic neutron scattering (QNS) study of cation rotation in (CH3NH3)5Bi2Cl11, (CD3NH3)5Bi2Cl11 and (CH3NH3)5Bi2Br11. Physica B: Condensed Matter, 1999, 271, 309-314.	2.7	0
36	Lattice mediated interactions and ferroelectric anomalies in the crystal (CH ₃ NH ₃) ₅ Bi ₂ Cl ₁₁ (PMACB). Phase Transitions, 1999, 67, 571-586.	1.3	15

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37	Bayesian Analysis of Quasielastic Neutron Scattering Data in Liquid Crystalline Phases of 7S5. Molecular Crystals and Liquid Crystals, 1995, 262, 361-369.	0.3	2
38	Phase diagram of 4,4'-di-n-butyloxyazoxybenzene, neutron diffraction measurements at higher pressures. Phase Transitions, 1992, 37, 239-251.	1.3	3
39	Quasielastic neutron scattering investigation of glass transition in polystyrene. Physica B: Condensed Matter, 1992, 182, 365-368.	2.7	4
40	A quasielastic neutron scattering study of molecular reorientation in [(CH3)3NH]3[Sb2Cl9] (TMACA). Physica B: Condensed Matter, 1992, 180-181, 1050-1052.	2.7	4
41	Neutron scattering study of crystal structure and proton diffusion in protonic conductors with hydrogen bonds. Physica B: Condensed Matter, 1991, 174, 268-271.	2.7	14
42	Neutron Scattering Studies of C ₆ H ₁₂ and C ₆ D ₁₂ Cyclohexane under High Pressure. Physica Status Solidi (B): Basic Research, 1991, 166, 381-394.	1.5	10
43	Growth and characterisation of CuAlxIn1-xSe2mixed crystals. Journal Physics D: Applied Physics, 1990, 23, 964-965.	2.8	34
44	Neutron scattering studies of the D-O and D-12 cyclohexane under high pressure. High Pressure Research, 1990, 4, 460-462.	1.2	1
45	Phonon and magnetic excitations in La2â^'xSrxCuO4â^`Î′ as studied by incoherent inelastic neutron scattering. Physica B: Condensed Matter, 1989, 156-157, 906-909.	2.7	8
46	Neutron scattering investigations of lattice dynamics and structure of superconducting ceramics La2â^'xSrxCuO4â^'l´at different temperatures. Physica C: Superconductivity and Its Applications, 1988, 156, 259-264.	1.2	5
47	Mössbauer study of hyperfine field distribution in Co2TiSn. Hyperfine Interactions, 1986, 28, 603-606.	0.5	4
48	Crystallization of amorphous Fe88â^'xSixB12alloys. Journal of Magnetism and Magnetic Materials, 1984, 41, 191-194.	2.3	9
49	Crystallization of amorphous Co70.3Fe4.7Si15B10; Mössbauer spectroscopy and X-ray diffraction. Nuclear Instruments & Methods in Physics Research, 1982, 199, 179-185.	0.9	2
50	Magnetic ordering in CoMnSn studied by neutron diffraction and 119Sn Mössbauer spectroscopy. Solid State Communications, 1981, 38, 875-877.	1.9	25