

Wojciech Zajac

List of Publications by Year in descending order

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50
papers

380
citations

758635

12
h-index

940134

16
g-index

53
all docs

53
docs citations

53
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	On relaxation and vibrational dynamics in the thermodynamic states of a chiral smectogenic glass-former. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 4595-4612.	1.3	8
2	Vibrational dynamics of ethosuximide polymorphs. Infrared absorption and inelastic neutron scattering spectroscopy and model calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, , 121468.	2.0	1
3	Effect of high pressure on relaxation dynamics and crystallization kinetics of chiral liquid crystal in its smectic phase. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 17466-17478.	1.3	11
4	On the relaxation dynamics of a double glass-forming antiferroelectric liquid crystal. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8673-8688.	1.3	19
5	Investigation of crystallization kinetics and its relationship with molecular dynamics for chiral fluorinated glassforming smectogen 3F5HPhH6. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19795-19810.	1.3	14
6	Molecular Dynamics and Kinetics of Isothermal Cold Crystallization in the Chiral Smectogenic 3F7PhH6 Glassformer. <i>Crystals</i> , 2021, 11, 1487.	1.0	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. <i>Journal of Molecular Liquids</i> , 2020, 319, 114153.	2.3	21
8	Vibrational Dynamics of a Chiral Smectic Liquid Crystal Undergoing Vitrification and Cold Crystallization. <i>Crystals</i> , 2020, 10, 655.	1.0	17
9	Can the Isothermal Calorimetric Curve Shapes Suggest the Structural Changes in Micellar Aggregates?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5828.	1.8	3
10	Mesomorphic behaviour and vibrational dynamics of <i>n</i> -CFPB liquid crystalline homologues. <i>Phase Transitions</i> , 2019, 92, 1077-1088.	0.6	3
11	Molecular Dynamic in Ethosuximide Glass Forming Pharmaceutical as Studied by Dielectric Relaxation Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 102-108.	1.6	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. <i>Phase Transitions</i> , 2018, 91, 170-185.	0.6	5
13	Phase polymorphism and thermal stability of new cholesterol thioesters derivatives. <i>Liquid Crystals</i> , 2015, 42, 1405-1418.	0.9	2
14	Thermal analysis and simulation model of natural lithocholic acid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 55-64.	2.0	2
15	Mesomorphic properties of resorcinol. <i>Journal of Molecular Structure</i> , 2015, 1082, 103-113.	1.8	10
16	Polymorphism and Initial Structure Modelling of a New Mesogen 9OSBch. <i>Acta Physica Polonica A</i> , 2013, 124, 959-963.	0.2	1
17	How Random Is a Random Polymer Coil?. <i>Acta Physica Polonica A</i> , 2012, 121, 464-467.	0.2	0
18	Zinc in native tissues and cultured cell lines of human prostate studied by SR-XRF and XANES. <i>X-Ray Spectrometry</i> , 2009, 38, 557-562.	0.9	12

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19	Short Range Order in Polymers within Neutrons' Eyeshot. Acta Physica Polonica A, 2009, 115, 594-598.	0.2	2
20	Measurements of residual strains in ceramic-elastomer composites with diffuse scattering of polarized neutrons. Acta Materialia, 2008, 56, 5964-5971.	3.8	3
21	Immiscibility-miscibility transition in lithium-sulphonated polystyrene/polycarbonate blends as seen by small-angle neutron scattering. Phase Transitions, 2007, 80, 501-509.	0.6	1
22	Specific Detection of Glycans on a Plasma Membrane of Living Cells with Atomic Force Microscopy. Chemistry and Biology, 2006, 13, 505-512.	6.2	24
23	Stochastic molecular motions in the nematic, smectic-A, and solid phases of p, p'-di-n-heptyl-azoxybenzene as seen by quasielastic neutron scattering and ¹³ C cross-polarization magic-angle-spinning NMR. Physical Review E, 2006, 73, 051704.	0.8	6
24	High-Resolution Incoherent Inelastic Neutron Scattering Spectra of Polyisobutylene and Polyisoprene. Macromolecules, 2005, 38, 160-166.	2.2	11
25	Structure of flexible telechelic zwitterions in solutions. Physica B: Condensed Matter, 2004, 350, E975-E977.	1.3	2
26	Neutron Compton scattering studies of stretched polyethylene. Applied Physics A: Materials Science and Processing, 2002, 74, s1645-s1647.	1.1	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.	1.3	2
28	Structure of poly(ethylene oxide) (PEO and PEO-LiSO ₃ CF ₃) studied with spin polarised neutrons. Solid State Ionics, 2002, 147, 213-223.	1.3	7
29	Trace element analysis of tissue section by means of synchrotron radiation: the use of GNUPLLOT for SRIXE spectra analysis. Journal of Alloys and Compounds, 2001, 328, 135-138.	2.8	15
30	Anomalous diffraction with soft X-ray synchrotron radiation: DANES from pentakis(methylammonium) undecachlorodibismuthate at the K absorption edge of chlorine. Journal of Alloys and Compounds, 2001, 328, 64-70.	2.8	2
31	Small angle neutron scattering study of SPBT/PC blends. Polymer, 2001, 42, 1679-1690.	1.8	14
32	QENS from soft systems: why use polarised neutrons?. Physica B: Condensed Matter, 2001, 301, 69-77.	1.3	5
33	Short-range order in blends of polycarbonates with polystyrenes. Physica B: Condensed Matter, 2000, 276-278, 849-851.	1.3	2
34	Neutron and X-ray scattering studies of ionomer blends. Physica B: Condensed Matter, 2000, 276-278, 911-913.	1.3	0
35	Quasielastic neutron scattering (QNS) study of cation rotation in (CH ₃ NH ₃) ₅ Bi ₂ Cl ₁₁ , (CD ₃ NH ₃) ₅ Bi ₂ Cl ₁₁ and (CH ₃ NH ₃) ₅ Bi ₂ Br ₁₁ . Physica B: Condensed Matter, 1999, 271, 309-314.	1.3	0
36	Lattice mediated interactions and ferroelectric anomalies in the crystal (CH ₃ NH ₃) ₃ (NH ₃) ₃ (CH ₃) ₅ Bi ₂ Cl ₁₁ (PMACB). Phase Transitions, 1999, 67, 571-586.	0.6	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.	0.6	3
39	Quasielastic neutron scattering investigation of glass transition in polystyrene. Physica B: Condensed Matter, 1992, 182, 365-368.	1.3	4
40	A quasielastic neutron scattering study of molecular reorientation in [(CH ₃) ₃ NH] ₃ [Sb ₂ Cl ₉] (TMACA). Physica B: Condensed Matter, 1992, 180-181, 1050-1052.	1.3	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.	1.3	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.	0.7	10
43	Growth and characterisation of CuAl _x In _{1-x} Se ₂ mixed crystals. Journal Physics D: Applied Physics, 1990, 23, 964-965.	1.3	34
44	Neutron scattering studies of the D-O and D-12 cyclohexane under high pressure. High Pressure Research, 1990, 4, 460-462.	0.4	1
45	Phonon and magnetic excitations in La _{2-x} Sr _x CuO ₄ as studied by incoherent inelastic neutron scattering. Physica B: Condensed Matter, 1989, 156-157, 906-909.	1.3	8
46	Neutron scattering investigations of lattice dynamics and structure of superconducting ceramics La _{2-x} Sr _x CuO ₄ at different temperatures. Physica C: Superconductivity and Its Applications, 1988, 156, 259-264.	0.6	5
47	Mössbauer study of hyperfine field distribution in Co ₂ TiSn. Hyperfine Interactions, 1986, 28, 603-606.	0.2	4
48	Crystallization of amorphous Fe _{88-x} Si ₁₂ alloys. Journal of Magnetism and Magnetic Materials, 1984, 41, 191-194.	1.0	9
49	Crystallization of amorphous Co _{70.3} Fe _{4.7} Si ₁₅ B ₁₀ ; 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 ¹¹⁹ Sn Mössbauer spectroscopy. Solid State Communications, 1981, 38, 875-877.	0.9	25