

Wojciech Zajac

List of Publications by Year in descending order

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53
all docs

53
docs citations

53
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and characterisation of CuAlxIn1-xSe2 mixed crystals. Journal Physics D: Applied Physics, 1990, 23, 964-965.	1.3	34
2	Magnetic ordering in CoMnSn studied by neutron diffraction and 119Sn Mössbauer spectroscopy. Solid State Communications, 1981, 38, 875-877.	0.9	25
3	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
4	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.	2.3	21
5	On the relaxation dynamics of a double glass-forming antiferroelectric liquid crystal. Physical Chemistry Chemical Physics, 2021, 23, 8673-8688.	1.3	19
6	Vibrational Dynamics of a Chiral Smectic Liquid Crystal Undergoing Vitrification and Cold Crystallization. Crystals, 2020, 10, 655.	1.0	17
7	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.	0.6	15
8	Trace element analysis of tissue section by means of synchrotron radiation: the use of GNUPLLOT for SRXRF spectra analysis. Journal of Alloys and Compounds, 2001, 328, 135-138.	2.8	15
9	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
10	Small angle neutron scattering study of SPBT/PC blends. Polymer, 2001, 42, 1679-1690.	1.8	14
11	Investigation of crystallization kinetics and its relationship with molecular dynamics for chiral fluorinated glassforming smectogen 3F5HPH6. Physical Chemistry Chemical Physics, 2021, 23, 19795-19810.	1.3	14
12	Zinc in native tissues and cultured cell lines of human prostate studied by SRXRF and XANES. X-Ray Spectrometry, 2009, 38, 557-562.	0.9	12
13	High-Resolution Incoherent Inelastic Neutron Scattering Spectra of Polyisobutylene and Polyisoprene. Macromolecules, 2005, 38, 160-166.	2.2	11
14	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.	1.3	11
15	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
16	Mesomorphic properties of resorcinol. Journal of Molecular Structure, 2015, 1082, 103-113.	1.8	10
17	Crystallization of amorphous Fe ₈₈ xSi ₁₂ alloys. Journal of Magnetism and Magnetic Materials, 1984, 41, 191-194.	1.0	9
18	Phonon and magnetic excitations in La ₂ xSrxCuO ₄ as studied by incoherent inelastic neutron scattering. Physica B: Condensed Matter, 1989, 156-157, 906-909.	1.3	8

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19	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
20	Structure of poly(ethylene oxide) (PEO and PEO-LiSO ₃ CF ₃) studied with spin polarised neutrons. <i>Solid State Ionics</i> , 2002, 147, 213-223.	1.3	7
21	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 C ¹³ cross-polarization magic-angle-spinning NMR. <i>Physical Review E</i> , 2006, 73, 051704.	0.8	6
22	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
23	Neutron scattering investigations of lattice dynamics and structure of superconducting ceramics La _{2-x} Sr _x CuO _{4-δ} at different temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 259-264.	0.6	5
24	QENS from soft systems: why use polarised neutrons?. <i>Physica B: Condensed Matter</i> , 2001, 301, 69-77.	1.3	5
25	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
26	Molecular Dynamics and Kinetics of Isothermal Cold Crystallization in the Chiral Smectogenic 3F7PhH6 Glassformer. <i>Crystals</i> , 2021, 11, 1487.	1.0	5
27	Mössbauer study of hyperfine field distribution in Co ₂ TiSn. <i>Hyperfine Interactions</i> , 1986, 28, 603-606.	0.2	4
28	Quasielastic neutron scattering investigation of glass transition in polystyrene. <i>Physica B: Condensed Matter</i> , 1992, 182, 365-368.	1.3	4
29	A quasielastic neutron scattering study of molecular reorientation in [(CH ₃) ₃ NH] ₃ [Sb ₂ Cl ₉] (TMACA). <i>Physica B: Condensed Matter</i> , 1992, 180-181, 1050-1052.	1.3	4
30	Neutron Compton scattering studies of stretched polyethylene. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s1645-s1647.	1.1	4
31	Phase diagram of 4,4'-di-n-butyloxyazoxybenzene, neutron diffraction measurements at higher pressures. <i>Phase Transitions</i> , 1992, 37, 239-251.	0.6	3
32	Measurements of residual strains in ceramic-elastomer composites with diffuse scattering of polarized neutrons. <i>Acta Materialia</i> , 2008, 56, 5964-5971.	3.8	3
33	Mesomorphic behaviour and vibrational dynamics of CFPB liquid crystalline homologues. <i>Phase Transitions</i> , 2019, 92, 1077-1088.	0.6	3
34	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
35	Crystallization of amorphous Co _{70.3} Fe _{4.7} Si ₁₅ B ₁₀ ; Mössbauer spectroscopy and X-ray diffraction. <i>Nuclear Instruments & Methods in Physics Research</i> , 1982, 199, 179-185.	0.9	2
36	Bayesian Analysis of Quasielastic Neutron Scattering Data in Liquid Crystalline Phases of 7S5. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 262, 361-369.	0.3	2

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37	Short-range order in blends of polycarbonates with polystyrenes. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 849-851.	1.3	2
38	Anomalous diffraction with soft X-ray synchrotron radiation: DANES from pentakismethylammonium undecachlorodibismuthate at the K absorption edge of chlorine. <i>Journal of Alloys and Compounds</i> , 2001, 328, 64-70.	2.8	2
39	Scattering of acoustic waves from a surface in the presence of an anharmonic interface. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 483-485.	1.3	2
40	Structure of flexible telechelic zwitterions in solutions. <i>Physica B: Condensed Matter</i> , 2004, 350, E975-E977.	1.3	2
41	Phase polymorphism and thermal stability of new cholesterol thioesters derivatives. <i>Liquid Crystals</i> , 2015, 42, 1405-1418.	0.9	2
42	Thermal analysis and simulation model of natural lithocholic acid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 55-64.	2.0	2
43	Short Range Order in Polymers within Neutrons' Eyesight. <i>Acta Physica Polonica A</i> , 2009, 115, 594-598.	0.2	2
44	Neutron scattering studies of the D-O and D-12 cyclohexane under high pressure. <i>High Pressure Research</i> , 1990, 4, 460-462.	0.4	1
45	Immiscibility to miscibility transition in lithium-sulphonated polystyrene/polycarbonate blends as seen by small-angle neutron scattering. <i>Phase Transitions</i> , 2007, 80, 501-509.	0.6	1
46	Polymorphism and Initial Structure Modelling of a New Mesogen 9OSBch. <i>Acta Physica Polonica A</i> , 2013, 124, 959-963.	0.2	1
47	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
48	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 . <i>Physica B: Condensed Matter</i> , 1999, 271, 309-314.	1.3	0
49	Neutron and X-ray scattering studies of ionomer blends. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 911-913.	1.3	0
50	How Random Is a Random Polymer Coil?. <i>Acta Physica Polonica A</i> , 2012, 121, 464-467.	0.2	0