

Wojciech Zajac

List of Publications by Year in descending order

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50
papers

380
citations

759233

12
h-index

940533

16
g-index

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. | 2.8 | 34 |
| 2 | Magnetic ordering in CoMnSn studied by neutron diffraction and 119Sn Mössbauer spectroscopy. Solid State Communications, 1981, 38, 875-877. | 1.9 | 25 |
| 3 | Specific Detection of Glycans on a Plasma Membrane of Living Cells with Atomic Force Microscopy. Chemistry and Biology, 2006, 13, 505-512. | 6.0 | 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. | 4.9 | 21 |
| 5 | On the relaxation dynamics of a double glass-forming antiferroelectric liquid crystal. Physical Chemistry Chemical Physics, 2021, 23, 8673-8688. | 2.8 | 19 |
| 6 | Vibrational Dynamics of a Chiral Smectic Liquid Crystal Undergoing Vitrification and Cold Crystallization. Crystals, 2020, 10, 655. | 2.2 | 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. | 1.3 | 15 |
| 8 | 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 |
| 9 | 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 |
| 10 | Small angle neutron scattering study of SPBT/PC blends. Polymer, 2001, 42, 1679-1690. | 3.8 | 14 |
| 11 | 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 |
| 12 | Zinc in native tissues and cultured cell lines of human prostate studied by SR-XRF and XANES. X-Ray Spectrometry, 2009, 38, 557-562. | 1.4 | 12 |
| 13 | High-Resolution Incoherent Inelastic Neutron Scattering Spectra of Polyisobutylene and Polyisoprene. Macromolecules, 2005, 38, 160-166. | 4.8 | 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. | 2.8 | 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. | 1.5 | 10 |
| 16 | Mesomorphic properties of resorcinol. Journal of Molecular Structure, 2015, 1082, 103-113. | 3.6 | 10 |
| 17 | Crystallization of amorphous Fe ₈₈ Si ₁₂ alloys. Journal of Magnetism and Magnetic Materials, 1984, 41, 191-194. | 2.3 | 9 |
| 18 | Phonon and magnetic excitations in La ₂ SrxCuO _{4-x} as studied by incoherent inelastic neutron scattering. Physica B: Condensed Matter, 1989, 156-157, 906-909. | 2.7 | 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. | 2.8 | 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. | 2.7 | 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 C13 cross-polarization magic-angle-spinning NMR. <i>Physical Review E</i> , 2006, 73, 051704. | 2.1 | 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. | 3.3 | 6 |
| 23 | Neutron scattering investigations of lattice dynamics and structure of superconducting ceramics La _{2-x} Sr _x CuO ₄ at different temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 259-264. | 1.2 | 5 |
| 24 | QENS from soft systems: why use polarised neutrons?. <i>Physica B: Condensed Matter</i> , 2001, 301, 69-77. | 2.7 | 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. | 1.3 | 5 |
| 26 | Molecular Dynamics and Kinetics of Isothermal Cold Crystallization in the Chiral Smectogenic 3F7PhH6 Glassformer. <i>Crystals</i> , 2021, 11, 1487. | 2.2 | 5 |
| 27 | Mössbauer study of hyperfine field distribution in Co ₂ TiSn. <i>Hyperfine Interactions</i> , 1986, 28, 603-606. | 0.5 | 4 |
| 28 | Quasielastic neutron scattering investigation of glass transition in polystyrene. <i>Physica B: Condensed Matter</i> , 1992, 182, 365-368. | 2.7 | 4 |
| 29 | A quasielastic neutron scattering study of molecular reorientation in [(CH ₃) ₃ NH] ₃ [Sb ₂ Cl ₉] (TMCA). <i>Physica B: Condensed Matter</i> , 1992, 180-181, 1050-1052. | 2.7 | 4 |
| 30 | Neutron Compton scattering studies of stretched polyethylene. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s1645-s1647. | 2.3 | 4 |
| 31 | Phase diagram of 4,4'-di-n-butyloxyazoxybenzene, neutron diffraction measurements at higher pressures. <i>Phase Transitions</i> , 1992, 37, 239-251. | 1.3 | 3 |
| 32 | Measurements of residual strains in ceramic-elastomer composites with diffuse scattering of polarized neutrons. <i>Acta Materialia</i> , 2008, 56, 5964-5971. | 7.9 | 3 |
| 33 | Mesomorphic behaviour and vibrational dynamics of CFPB liquid crystalline homologues. <i>Phase Transitions</i> , 2019, 92, 1077-1088. | 1.3 | 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. | 4.1 | 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. | 2.7 | 2 |
| 38 | Anomalous diffraction with soft X-ray synchrotron radiation: DANES from pentakis(methylammonium) undecachlorodibismuthate at the K absorption edge of chlorine. <i>Journal of Alloys and Compounds</i> , 2001, 328, 64-70. | 5.5 | 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. | 2.7 | 2 |
| 40 | Structure of flexible telechelic zwitterions in solutions. <i>Physica B: Condensed Matter</i> , 2004, 350, E975-E977. | 2.7 | 2 |
| 41 | Phase polymorphism and thermal stability of new cholesterol thioesters derivatives. <i>Liquid Crystals</i> , 2015, 42, 1405-1418. | 2.2 | 2 |
| 42 | Thermal analysis and simulation model of natural lithocholic acid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 55-64. | 3.6 | 2 |
| 43 | Short Range Order in Polymers within Neutrons' Eyseshot. <i>Acta Physica Polonica A</i> , 2009, 115, 594-598. | 0.5 | 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. | 1.2 | 1 |
| 45 | Immiscibility–miscibility transition in lithium-sulphonated polystyrene/polycarbonate blends as seen by small-angle neutron scattering. <i>Phase Transitions</i> , 2007, 80, 501-509. | 1.3 | 1 |
| 46 | Polymorphism and Initial Structure Modelling of a New Mesogen 9OSBch. <i>Acta Physica Polonica A</i> , 2013, 124, 959-963. | 0.5 | 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. | 3.9 | 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. | 2.7 | 0 |
| 49 | Neutron and X-ray scattering studies of ionomer blends. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 911-913. | 2.7 | 0 |
| 50 | How Random Is a Random Polymer Coil?. <i>Acta Physica Polonica A</i> , 2012, 121, 464-467. | 0.5 | 0 |