

# Jan Krawczyk

## List of Publications by Year in descending order

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48  
papers

475  
citations

758635

12  
h-index

794141

19  
g-index

49  
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49  
docs citations

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times ranked

280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutron spectroscopy of MnH <sub>0.86</sub> , NiH <sub>1.05</sub> , PdH <sub>0.99</sub> and harmonic behaviour of their optical phonons. <i>Physica B: Condensed Matter</i> , 1991, 174, 257-261.	1.3	52
2	Signatures of glass transition in partially ordered phases. <i>Liquid Crystals</i> , 2013, 40, 1436-1442.	0.9	36
3	Parameters of the NERA spectrometer for cold and thermal moderators of the IBR-2 pulsed reactor. <i>Journal of Physics: Conference Series</i> , 2014, 554, 012002.	0.3	32
4	Thermodynamic properties of chiral liquid crystalline material (S)-4-(2-methylbutyl)-4'-cyanobiphenyl (5*CB). <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1232-1242.	1.0	25
5	Molecular reorientation in the nematic and rotatory phases of 4,4'-di-n-pentyloxyoxybenzene. <i>Liquid Crystals</i> , 1986, 1, 561-572.	0.9	21
6	Vibrational spectroscopy of dispersed silica: inelastic neutron scattering. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990, 54-55, 855-876.	0.8	20
7	Thermal and relaxational properties of glass-forming material, 3,3-dimethyl-1-butanol. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 877-888.	1.0	19
8	CALORIMETRIC AND DIELECTRIC STUDIES OF RELAXATION ACCOMPANYING A GLASS TRANSITION IN THE RIGHT-HANDED ISOPENTYLCYANOBIPIHENYL (5*CB). <i>Molecular Crystals and Liquid Crystals</i> , 2001, 366, 211-220.	0.3	18
9	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). <i>European Physical Journal E</i> , 2019, 42, 121.	0.7	17
10	A quasielastic neutron scattering study of molecular reorientation in the nematic phases of PAP and POAB. <i>Liquid Crystals</i> , 1986, 1, 127-132.	0.9	16
11	Neutron scattering studies of solid-state polymorphism in dimethyl butanol glass formers. <i>Physica B: Condensed Matter</i> , 2008, 403, 109-114.	1.3	15
12	Computationally Supported Neutron Scattering Study of Natural and Synthetic Amorphous Carbons. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15841-15850.	1.5	13
13	Calorimetric, nuclear magnetic resonance, and quasi-elastic neutron scattering studies of the aerosol OT-D2O system. <i>Journal of Colloid and Interface Science</i> , 1983, 92, 358-366.	5.0	11
14	Neutron scattering study of molecular motions in the naphthalene-tetracyanobenzene complex. <i>Journal of Chemical Physics</i> , 1986, 85, 7289-7293.	1.2	11
15	Solid State Polymorphism and Dynamics of 2,2-Dimethylbutan-1-ol as Studied by Adiabatic Calorimetry and Dielectric Spectroscopy. <i>Acta Physica Polonica A</i> , 2013, 124, 917-925.	0.2	11
16	Molecular Dynamics of 4-Cyano-3-Fluorophenyl 4-Butylbenzoate as Studied by Dielectric Relaxation Spectroscopy. <i>Acta Physica Polonica A</i> , 2010, 117, 532-536.	0.2	11
17	Neutron-scattering study of low-energy excitations in some organic glass formers. <i>Physica B: Condensed Matter</i> , 2006, 371, 249-256.	1.3	10
18	A study of out-of-plane cation dynamics in a bis-thiourea pyridinium chloride inclusion compound. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8908.	1.3	9

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19	Dielectric Spectroscopy Studies of 4-Cyano-3-fluorophenyl 4-Butylbenzoate Liquid Crystal at High Pressure. <i>Acta Physica Polonica A</i> , 2012, 122, 378-381.	0.2	9
20	Quasielastic Neutron Scattering Study of Reorienting di-heptyloxyazoxybenzene (HOAB) Molecules in the Nematic and Smectic C Phases. <i>Molecular Crystals and Liquid Crystals</i> , 1982, 89, 171-180.	0.9	8
21	Molecular dynamics of the liquid crystal 6O2OCB in nanopores. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 8435-8443.	0.7	8
22	Inelastic and quasielastic neutron scattering and IR and R spectroscopic studies of 1,2,4,5-tetracyanobenzene(TCNB)-1,2,4,5-tetramethylbenzene (durene) complex. <i>Phase Transitions</i> , 2007, 80, 489-500.	0.6	8
23	Quasielastic neutron scattering study of fast reorientations in nematic p-azoxyanisole. <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , 1977, 92, 351-359.	0.9	7
24	Dielectric relaxation studies of 4-(2-hexyloxyethoxy)4'-cyanobiphenyl (6O2OCB) enclosed in SiO <sub>2</sub> nanopores. <i>Phase Transitions</i> , 2007, 80, 687-695.	0.6	7
25	Quasi-elastic neutron scattering of cyanobiphenyl compounds with different terminal chains. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 734-739.	1.5	7
26	Molecular dynamics of 4-cyano-3-fluorophenyl 4-butylbenzoate (4CFPB) glass-forming liquid crystal in unidirectional silicon nanopores. <i>Liquid Crystals</i> , 2014, 41, 1073-1079.	0.9	7
27	Elastic, quasielastic, and inelastic neutron-scattering studies on the charge-transfer hexamethylbenzene-tetracyanoquinodimethane complex. <i>Journal of Chemical Physics</i> , 2005, 123, 124305.	1.2	6
28	Neutron Scattering in 3,3-Dimethyl-2-Butanol and 2,3-Dimethyl-2-Butanol. <i>Solid State Phenomena</i> , 2006, 112, 89-92.	0.3	6
29	Disorder in crystalline phases of chiral glass formers 5'-CB and 8'-OCB evidenced by the low temperature heat capacity. <i>Chemical Physics Letters</i> , 2008, 463, 90-93.	1.2	6
30	(S)-4-(2-Methylbutyl)-4'-Cyanobiphenyl (5*CB) Glass Former: Are the Crystalline Polymorphs Ordered?. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 540, 102-110.	0.4	6
31	<title>Correlations in a system with complex dynamics</title>. , 1999, 4017, 158.		5
32	Relaxation in glass and cholesteric phase of isopentylcyanobiphenyl. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 487-488.	1.3	5
33	Quasi-elastic (QENS) and inelastic neutron scattering (INS) on hexamethylbenzene. <i>Physica B: Condensed Matter</i> , 2005, 362, 271-277.	1.3	5
34	Isothermal high-pressure studies of 4-cyano-3-fluorophenyl 4-butylbenzoate dynamics near room temperature. <i>Physical Review E</i> , 2012, 86, 051702.	0.8	5
35	CRITICAL STUDIES OF MOLECULAR REORIENTATION IN ORIENTED PAA WITH VARIOUS KINDS OF DEUTERIATION. <i>Journal De Physique Colloque</i> , 1979, 40, C3-169-C3-173.	0.2	5
36	Neutron-scattering study of low-energy excitations in triphenyl phosphite. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s439-s441.	1.1	4

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37	Calorimetric and Positron Lifetime Measurements of Hydrogenated Carbon Nanocones. <i>Acta Physica Polonica A</i> , 2010, 117, 574-577.	0.2	4
38	Quasi-elastic neutron scattering (QENS) studies on the 1:1 tetramethylpyrazine-1,2,4,5-tetracyanobenzene complex. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 73-84.	1.0	3
39	Low-temperature dynamics of (S)-4-(1-methylheptyloxy)-4'-cyanobiphenyl (8*OCB) and (S)-4-(2-methylbutyl)-4'-cyanobiphenyl (5*CB) in disordered crystalline and glassy phases. <i>Liquid Crystals</i> , 2019, 46, 94-101.	0.9	2
40	Fast Stochastic Reorientations in Nematic PAA and PAP. <i>Acta Physica Polonica A</i> , 1997, 91, 513-518.	0.2	2
41	The Solid State Polymorphism and Dynamics of 2,3-Dimethylbutan-2-ol (2,3-DM-2-B). <i>Acta Physica Polonica A</i> , 2012, 122, 693-697.	0.2	2
42	Intense quasielastic neutron scattering of 4,4'-diethoxyazobenzene and its connection with the inelastic neutron scattering spectrum. <i>Liquid Crystals</i> , 1991, 10, 703-708.	0.9	1
43	Neutron incoherent scattering study of NH <sub>3</sub> low energy transitions in hexammine compounds. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 57-58.	1.3	0
44	Neutron incoherent scattering study of NH <sub>3</sub> low-energy transitions in hexammine compounds II. <i>Physica B: Condensed Matter</i> , 1997, 233, 179-186.	1.3	0
45	Neutron quasielastic scattering by (CH <sub>3</sub> NH <sub>3</sub> ) <sub>5</sub> Bi <sub>2</sub> Cl <sub>11</sub> . <i>Physica B: Condensed Matter</i> , 1997, 241-243, 481-483.	1.3	0
46	Quasielastic neutron scattering (QNS) study of cation rotation in (CH <sub>3</sub> NH <sub>3</sub> ) <sub>5</sub> Bi <sub>2</sub> Cl <sub>11</sub> , (CD <sub>3</sub> NH <sub>3</sub> ) <sub>5</sub> Bi <sub>2</sub> Cl <sub>11</sub> and (CH <sub>3</sub> NH <sub>3</sub> ) <sub>5</sub> Bi <sub>2</sub> Br <sub>11</sub> . <i>Physica B: Condensed Matter</i> , 1999, 271, 309-314.	1.3	0
47	Spectroscopic and positron lifetime measurements of hydrogenated single walled carbon nanohorns. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2461-2467.	0.8	0
48	Cooperation or Defection Strategies of Conduct in Conflict-Prone Situations. <i>Dialogue and Universalism</i> , 2008, 18, 119-125.	0.0	0