Winfried Petry

List of Publications by Year
in descending order

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251 papers	9,222 citations	50566 48 h-index	58552 86 g-index
256 all docs	256 docs citations	256 times ranked	5855 citing authors

#	Article	IF	Citations
1	Temperature Effects on Interdiffusion of Al and U-Mo under Irradiation. Journal of Nuclear Materials, 2021, 544, 152684.	1.3	1
2	Microstructural characteristics of a fresh U(Mo) monolithic mini-plate: Focus on the Zr coating deposited by PVD. Nuclear Engineering and Technology, 2021, 53, 2629-2639.	1.1	2
3	Thermal properties of U-Mo alloys irradiated under high fission power density. Journal of Nuclear Materials, 2021, 547, 152823.	1.3	6
4	Microstructure investigations of temperature effect on Al-UMo diffusion couples irradiated by swift Xe ions. Journal of Nuclear Materials, 2021, 547, 152757.	1.3	0
5	Silica Fouling in Reverse Osmosis Systemsâ€“Operando Small-Angle Neutron Scattering Studies. Membranes, 2021, 11, 413.	1.4	4
6	U(Mo) grain refinement induced by irradiation with high energy iodine. Journal of Nuclear Materials, 2021, 548, 152850.	1.3	4
7	Self-diffusion in single component liquid metals: a case study of mercury. Journal of Physics Condensed Matter, 2021, 33, 375101.	0.7	0
8	Powder diffraction computed tomography: a combined synchrotron and neutron study. Journal of Physics Condensed Matter, 2021, 33, 105901.	0.7	4
9	Phase Transition Kinetics in Austempered Ductile Iron (ADI) with Regard to Mo Content. Materials, 2020, 13, 5266.	1.3	7
10	Microstructure evolution and phase transformation of heavy-ion irradiated Uâ€“Mo/Al fuels. Journal of Nuclear Materials, 2020, 541, 152399.	1.3	1
11	Thermal conductivity measurement of the interaction layer between UMo and Al produced by high-energy heavy ion irradiation. Journal of Nuclear Materials, 2020, 539, 152262.	1.3	4
12	Morphology of Thin Film Composite Membranes Explored by Small-Angle Neutron Scattering and Positron-Annihilation Lifetime Spectroscopy. Membranes, 2020, 10, 48.	1.4	11
13	Carbon Redistribution Process in Austempered Ductile Iron (ADI) During Heat Treatmentâ€”APT and Synchrotron Diffraction Study. Metals, 2019, 9, 789.	1.0	8
14	A quasielastic and inelastic neutron scattering study of the alkaline and alkaline-earth borohydrides LiBH₄ and Mg(BH₄)₂ and the mixture LiBH₄ + Mg(BH₄)₂. Physical Chemistry Chemical Physics, 2019, 21, 718-728.	1.3	15
15	Surface-Induced Silica Scaling during Brackish Water Desalination: The Role of Surface Charge and Specific Chemical Groups. Environmental Science & Technology, 2019, 53, 5202-5211.	4.6	32
16	Phonon Lifetimes throughout the Brillouin Zone at Elevated Temperatures from Experiment andAbÂInitio. Physical Review Letters, 2019, 123, 235501.	2.9	20
17	Morphology and porous structure of standalone aromatic polyamide films as used in RO membranes â€“ An exploration with SANS, PALS, and SEM. Journal of Membrane Science, 2019, 573, 167-176.	4.1	14
18	Thermal conductivity of fresh and irradiated U-Mo fuels. Journal of Nuclear Materials, 2018, 503, 304-313.	1.3	13

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19	Quantitative comparability of heavy ion and in-pile irradiations on UMo fuel systems. Journal of Nuclear Materials, 2018, 507, 276-287.	1.3	6
20	TEM analysis of irradiation-induced interaction layers in coated UMo/X/Al trilayer systems (X= Ti, Nb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	3
21	Calcium phosphate scaling during wastewater desalination on oligoamide surfaces mimicking reverse osmosis and nanofiltration membranes. Water Research, 2018, 128, 217-225.	5.3	38
22	Strain-Induced Martensitic Transformation Kinetic in Austempered Ductile Iron (ADI). Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 94-104.	1.1	14
23	The influence of C/Ta ratio on TaC precipitates in Co-Re base alloys investigated by small-angle neutron scattering. Acta Materialia, 2017, 132, 354-366.	3.8	22
24	Ordering tendencies and electronic properties in quaternary Heusler derivatives. Physical Review B, 2017, 96, .	1.1	29
25	Neutron and hard X-ray diffraction studies of the isothermal transformation kinetics in the research reactor fuel candidate Uâ€“8â€…wt%Mo. Journal of Applied Crystallography, 2016, 49, 923-933.	1.9	8
26	Solvent Dynamics in Solutions of PNIPAM in Water/Methanol Mixturesâ€”A Quasi-Elastic Neutron Scattering Study. Journal of Physical Chemistry B, 2016, 120, 4679-4688.	1.2	38
27	Hydrogen dynamics in Î²-Mg(BH4)2 on the picosecond timescale. Physical Chemistry Chemical Physics, 2016, 18, 14323-14332.	1.3	12
28	A novel monolithic LEU foil target based on a PVD manufacturing process for 99Mo production via fission. Applied Radiation and Isotopes, 2016, 118, 290-296.	0.7	1
29	The new small-angle neutron scattering instrument SANS-1 at MLZâ€”characterization and first results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 832, 297-305.	0.7	50
30	Kr implantation into heavy ion irradiated monolithic Uâ€“Mo/Al systems: SIMS and SEM investigations. Journal of Nuclear Materials, 2016, 470, 251-257.	1.3	4
31	Scattering cross sections of liquid deuterium for ultracold neutrons: Experimental results and a calculation model. Physical Review B, 2015, 91, .	1.1	5
32	Paving the Road for Modern Particle Therapyâ€‰â€“â€‰What Can We Learn from the Experience Gained with Fast Neutron Therapy in Munich?. Frontiers in Oncology, 2015, 5, 262.	1.3	19
33	Swift heavy ion irradiation induced interactions in the UMo/X/Al trilayer system (X=Ti, Zr, Nb, and Mo): RBS and Î¼-XRD studies. Journal of Alloys and Compounds, 2015, 626, 381-390.	2.8	14
34	Boron containing magnetic nanoparticles for neutron capture therapyÂâ€“ an innovative approach for specifically targeting tumors. Applied Radiation and Isotopes, 2015, 106, 151-155.	0.7	16
35	Increasing the achievable state of order in Ni-based Heusler alloys via quenched-in vacancies. Applied Physics Letters, 2014, 105, .	1.5	13
36	Ion beam induced spinodal decomposition and amorphization in the immiscible bilayer system UMo/Mg. Journal of Nuclear Materials, 2014, 453, 41-47.	1.3	5

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37	Role of vibrational entropy in the stabilization of the high-temperature phases of iron. Physical Review B, 2014, 89, .	1.1	39
38	From Molecular Dehydration to Excess Volumes of Phase-Separating PNIPAM Solutions. Journal of Physical Chemistry B, 2014, 118, 4253-4260.	1.2	55
39	Adhesion strength of sputter deposited diffusion barrier layer coatings for the use in Uâ€“Mo nuclear fuels. Nuclear Engineering and Design, 2014, 276, 115-123.	0.8	2
40	Annealing tests of in-pile irradiated oxide coated Uâ€“Mo/Alâ€“Si dispersed nuclear fuel. Journal of Nuclear Materials, 2014, 452, 533-547.	1.3	8
41	Heavy ion irradiation of UMo/Al samples PVD coated with Si and ZrN layers. Journal of Nuclear Materials, 2013, 434, 296-302.	1.3	33
42	Crystallographic study of Si and ZrN coated Uâ€“Mo atomised particles and of their interaction with al under thermal annealing. Journal of Nuclear Materials, 2013, 442, 124-132.	1.3	24
43	Evidence of amorphous interdiffusion layer in heavy ion irradiated Uâ€“8wt%Mo/Al interfaces. Journal of Nuclear Materials, 2013, 440, 117-123.	1.3	16
44	Microstructure of as-fabricated UMo/Al(Si) plates prepared with ground and atomized powder. Journal of Nuclear Materials, 2013, 438, 246-260.	1.3	14
45	Vibrational properties of Niâ€“Mnâ€“Ga shape memory alloy in the martensite phases. New Journal of Physics, 2013, 15, 123016.	1.2	8
46	In Situ Strain Measurements during Casting Using Neutron Diffraction. Materials Science Forum, 2013, 768-769, 484-491.	0.3	6
47	Collective Intermolecular Motions Dominate the Picosecond Dynamics of Short Polymer Chains. Physical Review Letters, 2013, 111, 173003.	2.9	11
48	Effect of temperature and compositional changes on the phonon properties of Ni-Mn-Ga shape memory alloys. Physical Review B, 2012, 86, .	1.1	21
49	Effect of macroscopic relaxation on residual stress analysis by diffraction methods. Journal of Applied Physics, 2012, 112, 064906.	1.1	13
50	Neutron radiotherapy in South Africa: Neutron radiotherapy should continue. South African Medical Journal, 2012, 102, 269.	0.2	0
51	Key Properties of Niï£¿Mnï£¿Ga Based Single Crystals Grown with the SLARE Technique. Advanced Engineering Materials, 2012, 14, 614-635.	1.6	11
52	Heavy ion irradiation induced dislocation loops in AREVAâ€™s M5Â® alloy. Journal of Nuclear Materials, 2012, 423, 170-182.	1.3	75
53	Molecular Hydrogen Tweezers: Structure and Mechanisms by Neutron Diffraction, NMR, and Deuterium Labeling Studies in Solid and Solution. Journal of the American Chemical Society, 2011, 133, 20245-20257.	6.6	64
54	Irradiation behavior of ground U(Mo) fuel with and without Si added to the matrix. Journal of Nuclear Materials, 2011, 412, 41-52.	1.3	56

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55	Morphology of thin nanocomposite films of asymmetric diblock copolymer and magnetite nanoparticles. Journal of Physics Condensed Matter, 2011, 23, 254215.	0.7	12
56	Effect of alloying Ni-Mn-Ga with Cobalt on thermal and structural properties. Journal of Physics: Conference Series, 2010, 251, 012046.	0.3	2
57	Interphase microstress measurements in INâ€‰718 by cold neutron diffraction. Applied Physics A: Materials Science and Processing, 2010, 99, 565-569.	1.1	11
58	Fission neutron therapy at FRM II: Indications and first results. Radiation Measurements, 2010, 45, 1436-1437.	0.7	2
59	Physical properties of monolithic U8wt.%â€“Mo. Journal of Nuclear Materials, 2010, 402, 74-80.	1.3	31
60	Neutron Larmor diffraction measurements for materials science. Acta Materialia, 2010, 58, 3459-3467.	3.8	11
61	Elastic torsion effects in magnetic nanoparticle diblock-copolymer structures. Journal of Physics Condensed Matter, 2010, 22, 346008.	0.7	18
62	The Robot Concept at STRESS-SPEC for the Characterisation or Semi-Finished Products. Materials Science Forum, 2010, 652, 197-201.	0.3	4
63	3-Dimensional Coupled Neutronic and Thermal-Hydraulic Calculations for a Compact Core Combining MCNPX and CFX. IEEE Transactions on Nuclear Science, 2010, , .	1.2	1
64	The beam of fission neutrons at FRM II and its application in medicine, biology, and materials characterisation. , 2009, , .		0
65	Test irradiations of full-sized U3Si2â€“Al fuel plates up to very high fission densities. Journal of Nuclear Materials, 2009, 383, 254-263.	1.3	23
66	Uraniumâ€“molybdenum nuclear fuel plates behaviour under heavy ion irradiation: An X-ray diffraction analysis. Journal of Nuclear Materials, 2009, 385, 449-455.	1.3	30
67	Array of Magnetic Nanoparticles via Particle Co-operated Self-Assembly in Block Copolymer Thin Film. Macromolecules, 2009, 42, 6202-6208.	2.2	38
68	Microstrain accumulation in multiphase superalloys. Powder Diffraction, 2009, 24, S65-S67.	0.4	8
69	Erratum to â€œThe high-resolution time-of-flight spectrometer TOFTOFâ€•[Nucl. Instr. and Meth. A 580 (2007) 1414â€“1422]. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 585, 201.	0.7	13
70	Dynamics of C-phycocyanin in various deuterated trehalose/water environments measured by quasielastic and elastic neutron scattering. European Biophysics Journal, 2008, 37, 739-748.	1.2	17
71	The munich fission neutron therapy facility MEDAPP at the research reactor FRM II. Strahlentherapie Und Onkologie, 2008, 184, 643-646.	1.0	27
72	Spectral fluence rates of the fast reactor neutron beam MedApp at FRM II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 466-471.	0.7	20

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73	Phonon dispersions of Niâ€“Mnâ€“Al shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 481-482, 197-200.	2.6	4
74	Interplay of structural instability and lattice dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ni</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub	1.1	27
	Physical Review B, 2008, 78, .		
75	Diffusive motions in liquid medium-chain n-alkanes as seen by quasielastic time-of-flight neutron spectroscopy. Journal of Chemical Physics, 2008, 129, 121106.	1.2	25
76	Currents and fields reveal the propagation of nuclear polaritons through a resonant target. Physical Review A, 2007, 76, .	1.0	18
77	Correspondent's Report: Forschungsneutronenquelle Heinz Maier-Leibnitz (FRM II). Neutron News, 2007, 18, 13-15.	0.1	8
78	Maghemite Nanoparticles on Supported Diblock Copolymer Nanostructures. Macromolecules, 2007, 40, 5075-5083.	2.2	28
79	Pressure-Sensitive Adhesive Blend Films for Low-Tack Applications. Macromolecular Materials and Engineering, 2007, 292, 825-834.	1.7	8
80	Monte Carlo simulations of the new small-angle neutron scattering instrument SANS-1 at the Heinz Maier-Leibnitz Forschungsneutronenquelle. Journal of Applied Crystallography, 2007, 40, s428-s432.	1.9	22
81	The high-resolution time-of-flight spectrometer TOFTOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 1414-1422.	0.7	124
82	Measurement of neutron flux and beam divergence at the cold neutron guide system of the new Munich research reactor FRM-II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 560, 444-453.	0.7	23
83	Heavy ion irradiation of Uâ€“Mo/Al dispersion fuel. Journal of Nuclear Materials, 2006, 357, 191-197.	1.3	32
84	The concept of the new small-angle scattering instrument SANS-1 at the FRM-II. Physica B: Condensed Matter, 2006, 385-386, 1174-1176.	1.3	20
85	NuclearÎ³resonance time-domain interferometry: Quantum beat and radiative coupling regimes compared in revealing quasielastic scattering. Physical Review B, 2006, 73, .	1.1	20
86	Synchrotron-radiation-based perturbed angular correlations used in the investigation of rotational dynamics in soft matter. Physical Review B, 2006, 73, .	1.1	33
87	Dynamics from picoseconds to nanoseconds of trehalose in aqueous solutions as seen by quasielastic neutron scattering. Journal of Chemical Physics, 2005, 122, 014514.	1.2	19
88	Collective Nature of the Boson Peak and Universal Transboson Dynamics of Glasses. Physical Review Letters, 2004, 92, 245508.	2.9	120
89	Parallel and perpendicular lamellar phases in copolymerâ€“nanoparticle multilayer structures. Physica B: Condensed Matter, 2004, 350, E939-E942.	1.3	23
90	Grazing incidence small-angle neutron scatteringâ€”an advanced scattering technique for the investigation of nanostructured polymer films. Physica B: Condensed Matter, 2004, 350, 207-210.	1.3	26

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91	Dewetting of Confined Diblock Copolymer Films. Journal of Macromolecular Science - Physics, 2004, 43, 29-42.	0.4	4
92	Tackiness of pressure-sensitive adhesives: An ultra-small-angle X-ray scattering investigation. Europhysics Letters, 2004, 66, 513-519.	0.7	6
93	Nanostructured Diblock Copolymer Films:Â A Grazing Incidence Small-Angle Neutron Scattering Studyâ€. Langmuir, 2003, 19, 7778-7782.	1.6	49
94	Nanoparticles in Block-Copolymer Films Studied by Specular and Off-Specular Neutron Scatteringâ€. Langmuir, 2003, 19, 7783-7788.	1.6	61
95	Fast diffusion in ZrTiCuNiBe melts. Applied Physics Letters, 2003, 83, 3894-3896.	1.5	61
96	Structural relaxation in a viscous liquid studied by quasielastic nuclear forward scattering. Physical Review B, 2002, 66, .	1.1	9
97	Effect of pressure and pressure-denaturation on fast molecular motions of solvated myoglobin. Progress in Biotechnology, 2002, 19, 107-110.	0.2	0
98	Dewetting of Thin Diblock Copolymer Films:Â Spinodal Dewetting Kinetics. Macromolecules, 2002, 35, 2017-2023.	2.2	39
99	Measurement and simulation of the inelastic resolution function of a time-of-flight spectrometer. Applied Physics A: Materials Science and Processing, 2002, 74, s1449-s1451.	1.1	1
100	Phase separation of weakly incompatible polymer blends confined in isolated droplets. Applied Physics A: Materials Science and Processing, 2002, 74, s342-s344.	1.1	11
101	Glass dynamics and scaling behaviour under pressure using quasielastic nuclear forward scattering. , 2002, , 29-32.		1
102	Solvent-Induced Surface Morphology of Thin Polymer Films. Macromolecules, 2001, 34, 1369-1375.	2.2	85
103	Quasielastic nuclear forward scattering as a background-free probe of slow glass dynamics in confined geometries. European Physical Journal B, 2001, 22, 301-306.	0.6	11
104	Phonon dispersion of bcc cerium. European Physical Journal B, 2001, 21, 357-361.	0.6	8
105	Structure Formation in Two-Dimensionally Confined Diblock Copolymer Films. Langmuir, 2001, 17, 5567-5575.	1.6	32
106	Early Stages of Film Creation in Thin Diblock Copolymer Films. Macromolecules, 2001, 34, 7463-7470.	2.2	27
107	Elastic resolution spectroscopy: a method to study molecular motions in small biological samples. Physica B: Condensed Matter, 2001, 301, 65-68.	1.3	33
108	Relaxation and Diffusion in Glass-Forming Metallic Liquids. Defect and Diffusion Forum, 2001, 194-199, 891-896.	0.4	0

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109	Dynamics of electron density in a medium revealed by MÃ¶ssbauer time-domain interferometry. Physical Review B, 2001, 63, .	1.1	17
110	Calcium rubidium nitrate:â€ƒMode-couplingÎ²scaling without factorization. Physical Review E, 2001, 64, 021303.	0.8	11
111	Optimization of the neutron guide system for the time-of-flight spectrometer at the FRM-II. Physica B: Condensed Matter, 2000, 283, 439-442.	1.3	4
112	New position-sensitive detector for the IN10 backscattering spectrometer. Physica B: Condensed Matter, 2000, 276-278, 154-155.	1.3	1
113	The time-of-flight spectrometer with cold neutrons at the FRM-II. Physica B: Condensed Matter, 2000, 276-278, 120-121.	1.3	6
114	The new neutron source FRM II. Physica B: Condensed Matter, 2000, 276-278, 30-32.	1.3	5
115	Dewetting of thin polymer-blend films examined with GISAS. Physica B: Condensed Matter, 2000, 283, 53-59.	1.3	53
116	Electromagnetic levitation apparatus for investigations of the phase selection in undercooled melts by energy-dispersive x-ray diffraction. Review of Scientific Instruments, 2000, 71, 3791.	0.6	54
117	Vibrational states of glassy and crystalline orthoterphenyl. European Physical Journal B, 2000, 16, 73-80.	0.6	38
118	Temperature dependent phonon density of states of the invar alloy Fe72Pt28. Physica B: Condensed Matter, 1999, 263-264, 716-718.	1.3	12
119	Quasielastic scattering: slow dynamics of glasses. , 1999, 123/124, 865-879.		12
120	phonon dispersion and martensitic phase transition in ordered alloys. European Physical Journal B, 1999, 11, 75-81.	0.6	17
121	Influence of atomic order on [110] phonon softening [4] and displacive phase transition in Invar alloys. European Physical Journal B, 1999, 10, 641-648.	0.6	21
122	Two-step relaxation in a viscous metallic liquid. Journal of Non-Crystalline Solids, 1999, 250-252, 116-119.	1.5	10
123	Energy dispersive X-ray diffraction on undercooled metallic melts. Journal of Non-Crystalline Solids, 1999, 250-252, 632-636.	1.5	12
124	Slow Motion in a Metallic Liquid. Physical Review Letters, 1998, 80, 4454-4457.	2.9	92
125	An X-ray reflectivity study of monolayers and bilayers of archae lipids on a solid substrate. Thin Solid Films, 1998, 327-329, 52-55.	0.8	8
126	Mode-coupling crossover in viscous toluene revealed by neutron and light scattering. European Physical Journal B, 1998, 1, 169-172.	0.6	15

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127	Anharmonic dynamical behaviour in bcc zirconium. European Physical Journal B, 1998, 3, 447-454.	0.6	9
128	Solvent Composition and Viscosity Effects on the Kinetics of CO Binding to Horse Myoglobinâ€. Biochemistry, 1998, 37, 717-733.	1.2	150
129	First scattering experiment on MIEZE: A fourier transform time-of-flight spectrometer using resonance coils. Journal of Neutron Research, 1998, 7, 65-74.	0.4	28
130	Lattice dynamics and related diffusion properties of intermetallics: II.. Journal of Physics Condensed Matter, 1997, 9, 10283-10292.	0.7	1
131	Quasielastic Scattering of Synchrotron Radiation by Time Domain Interferometry. Physical Review Letters, 1997, 79, 2823-2826.	2.9	79
132	Reply to ``Comment on `Fast dynamics of glass-forming glycerol' ''. Physical Review E, 1997, 55, 2071-2071.	0.8	2
133	Experimental Determination of Migration Enthalpies in Iron-Rich Fe-Al Alloys and DO₃ and B2 Compounds. Defect and Diffusion Forum, 1997, 143-147, 365-370.	0.4	1
134	Dynamics of Metastable Metallic Melts. Defect and Diffusion Forum, 1997, 143-147, 821-824.	0.4	0
135	Water-coupled low-frequency modes of myoglobin and lysozyme observed by inelastic neutron scattering. Biophysical Journal, 1997, 73, 2726-2732.	0.2	181
136	Vibrational frequency shifts as a probe of hydrogen bonds: thermal expansion and glass transition of myoglobin in mixed solvents. European Biophysics Journal, 1997, 26, 327-335.	1.2	88
137	Nuclear resonant scattering of synchrotron radiation for the study of dynamics around the glass transition. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1997, 103, 479-484.	1.1	19
138	Viscous glycerol. Physica B: Condensed Matter, 1997, 234-236, 431-432.	1.3	8
139	Phonon softening and martensitic transformation in Î±-Fe. Physica B: Condensed Matter, 1997, 234-236, 897-899.	1.3	50
140	A new polarizing guide at LLB. Physica B: Condensed Matter, 1997, 241-243, 77-78.	1.3	2
141	How to rejuvenate an old lady: New crystals for the backscattering spectrometer IN10. Physica B: Condensed Matter, 1997, 234-236, 1064-1065.	1.3	4
142	Tagged-particle motion in viscous glycerol: Diffusion-relaxation crossover. Physical Review E, 1996, 54, 5364-5369.	0.8	48
143	Phonons â€" A diffusion motor in intermetallics?. Physica B: Condensed Matter, 1996, 219-220, 499-501.	1.3	5
144	Structural relaxation in viscous glycerol: Coherent neutron scattering. Journal of Chemical Physics, 1996, 105, 5177-5182.	1.2	69

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145	Harmonic behavior of metallic glasses up to the metastable melt. Physical Review B, 1996, 53, 12107-12111.	1.1	44
146	Martensitic phase transformation and lattice dynamics of fcc cobalt. Physical Review B, 1996, 54, 6035-6038.	1.1	47
147	Dynamics of Guanosine Self-Assembled Aggregates in the Hexagonal Columnar Phase by Quasielastic Neutron Scattering. Molecular Crystals and Liquid Crystals, 1996, 290, 155-162.	0.3	0
148	Unusually high vacancy concentrations in. Journal of Physics Condensed Matter, 1996, 8, 7689-7698.	0.7	12
149	Lattice dynamics and migration enthalpies in iron-rich Fe - Al alloys and ordered and B2 compounds. Journal of Physics Condensed Matter, 1996, 8, 5535-5553.	0.7	28
150	Fast relaxation in a metastable metallic melt. Europhysics Letters, 1996, 36, 379-384.	0.7	14
151	Performance and future of a neutron resonance spinecho spectrometer. Journal of Neutron Research, 1996, 4, 261-273.	0.4	20
152	Dynamics in viscous orthoterphenyl: Results from coherent neutron scattering. Physical Review E, 1995, 52, 738-745.	0.8	33
153	High-pressure specific-heat spectroscopy at the glass transition ino-terphenyl. Physical Review E, 1995, 51, 5899-5904.	0.8	77
154	Quasielastic neutron scattering in glass forming viscous liquids. Transport Theory and Statistical Physics, 1995, 24, 1075-1095.	0.4	62
155	Fast dynamics of glass-forming glycerol. Physical Review E, 1995, 52, 4026-4034.	0.8	150
156	Vibrational behaviour of nanocrystalline Ni. Scripta Materialia, 1995, 6, 551-554.	0.5	104
157	Lattice dynamics and related diffusion properties of intermetallics: I. Fe3Si. Journal of Physics Condensed Matter, 1995, 7, 5983-5999.	0.7	34
158	Dynamical Precursors of Martensitic Transitions. European Physical Journal Special Topics, 1995, 05, C2-15-C2-28.	0.2	17
159	Wie springen die Atome in Metallen?: Bestimmung des Elementarsprungs der Diffusion mit interferierender Strahlung. Physik Journal, 1994, 50, 925-928.	0.1	3
160	Lattice dynamics and self-diffusion in niobium at elevated temperatures. Journal of Physics Condensed Matter, 1994, 6, 6211-6220.	0.7	22
161	Neutron and light scattering study of supercooled glycerol. Physical Review Letters, 1994, 72, 3052-3055.	2.9	203
162	Phase diagram, superlattices and antiphase domains of Fe3Alx, 0.75 â©½ x â©½ 1.3, investigated by neutron scattering. Acta Metallurgica Et Materialia, 1994, 42, 731-741.	1.9	18

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163	The states of order and the phase diagram of , investigated by neutron scattering. Acta Metallurgica Et Materialia, 1994, 42, 743-748.	1.9	25
164	Signatures of the glass transition in a van der Waals liquid seen by neutrons and NMR. Physica A: Statistical Mechanics and Its Applications, 1993, 201, 223-236.	1.2	28
165	Dynamical transition of bacteriorhodopsin in purple membranes revealed by neutron scattering: a relation between structure, dynamics and function. Physica A: Statistical Mechanics and Its Applications, 1993, 201, 425-429.	1.2	7
166	Relaxation and phonons in viscous and glassy orthoterphenyl by neutron scattering. European Physical Journal B, 1993, 91, 357-365.	0.6	107
167	Dynamics of disordered materials II. Neutron News, 1993, 4, 13-14.	0.1	26
168	Quasielastic neutron scattering study of the Ni diffusion mechanism in the intermetallic alloy NiSb. Journal of Physics Condensed Matter, 1993, 5, 7215-7230.	0.7	16
169	Temperature dependence of the lattice dynamics of chromium. Physical Review B, 1993, 47, 3132-3137.	1.1	66
170	Phonon dispersion of bcc La. Physical Review B, 1993, 47, 2563-2572.	1.1	26
171	Phonon dispersion of Î²-Sc. Physical Review B, 1993, 48, 881-886.	1.1	16
172	Thermal motions and function of bacteriorhodopsin in purple membranes: effects of temperature and hydration studied by neutron scattering.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 9668-9672.	3.3	391
173	Migration enthalpies in FCC and BCC metals. Journal of Physics Condensed Matter, 1992, 4, 9321-9338.	0.7	61
174	Secondary relaxation in the glass-transition regime ofortho-terphenyl observed by incoherent neutron scattering. Physical Review B, 1992, 45, 10301-10305.	1.1	108
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