

Henry E Fischer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

182
papers

5,397
citations

38
h-index

66
g-index

187
ext. papers

5,891
ext. citations

4.1
avg. IF

5.23
L-index

#	Paper	IF	Citations
182	Structure and dynamics of aqueous NaCl solutions at high temperatures and pressures. <i>Journal of Chemical Physics</i> , 2021 , 155, 194506	3.9	1
181	From SmOF to SmHOF: H/F Substitution in Oxide Fluorides as a Synthesis Route to Heteroanionic Compounds. <i>Inorganic Chemistry</i> , 2021 , 60, 17775-17782	5.1	
180	Different Water Networks Confined in Unidirectional Hydrophilic Nanopores and Transitions with Temperature. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 14378-14393	3.8	0
179	Detailed structural analysis of amorphous Pd ₄₀ Cu ₄₀ P ₂₀ : Comparison with the metallic glass Pd ₄₀ Ni ₄₀ P ₂₀ from the viewpoint of glass forming ability. <i>Journal of Non-Crystalline Solids</i> , 2021 , 555, 120536	3.9	1
178	Structure and properties of densified silica glass: characterizing the order within disorder. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	19
177	The Ba ₃ Mo _{1-x} W _x NbO _{8.5} ion conductors: insights into local coordination from X-ray and neutron total scattering. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21227-21240	13	7
176	Partial structure investigation of the traditional bulk metallic glass Pd ₄₀ Ni ₄₀ P ₂₀ . <i>Physical Review B</i> , 2019 , 100,	3.3	15
175	A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in (Gd,Ho)(Co,Fe) ₂ . <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3146-3151	6.8	4
174	Role of local short-scale correlations in the mechanism of negative magnetization. <i>Physical Review B</i> , 2019 , 99,	3.3	10
173	Femtosecond x-ray diffraction reveals a liquid-liquid phase transition in phase-change materials. <i>Science</i> , 2019 , 364, 1062-1067	33.3	84
172	Structure of the Intermediate Phase Glasses GeSe ₃ and GeSe ₄ : The Deployment of Neutron Diffraction With Isotope Substitution. <i>Frontiers in Materials</i> , 2019 , 6,	4	4
171	Pressure induced structural transformations in amorphous MgSiO ₃ and CaSiO ₃ . <i>Journal of Non-Crystalline Solids: X</i> , 2019 , 3, 100024	2.5	11
170	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo-Based Intermetallic Compounds (R = Rare Earth). <i>Inorganic Chemistry</i> , 2019 , 58, 5401-5405	5.1	6
169	Structural and electronic changes in graphite fluorides as a function of fluorination rate: An XRS, PDF and DFT study. <i>Carbon</i> , 2019 , 147, 1-8	10.4	9
168	Molecular Dynamics and Neutron Scattering Studies of Potassium Chloride in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 10807-10813	3.4	2
167	Neutron scattering study of nickel decorated thermally exfoliated graphite oxide. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 30999-31007	6.7	4
166	Calcium ions in aqueous solutions: Accurate force field description aided by ab initio molecular dynamics and neutron scattering. <i>Journal of Chemical Physics</i> , 2018 , 148, 222813	3.9	51

165	Local Structure and Lithium Diffusion Pathways in Li ₄ Mn ₂ O ₅ High Capacity Cathode Probed by Total Scattering and XANES. <i>Chemistry of Materials</i> , 2018 , 30, 3060-3070	9.6	16
164	Structure of semiconducting versus fast-ion conducting glasses in the Ag-Ge-Se system. <i>Royal Society Open Science</i> , 2018 , 5, 171401	3.3	5
163	Understanding Local Structure versus Long-Range Structure: The Case of UO. <i>Chemistry - A European Journal</i> , 2018 , 24, 2085-2088	4.8	2
162	Characterization of Oxygen Defect Clusters in UO Using Neutron Scattering and PDF Analysis. <i>Inorganic Chemistry</i> , 2018 , 57, 7064-7076	5.1	9
161	Hydration and Ion Pairing in Aqueous Mg and Zn Solutions: Force-Field Description Aided by Neutron Scattering Experiments and Ab Initio Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 3296-3306	3.4	54
160	Structure and dynamics of high-temperature strontium aluminosilicate melts. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 27865-27877	3.6	11
159	Structure of Strontium Aluminosilicate Glasses from Molecular Dynamics Simulation, Neutron Diffraction, and Nuclear Magnetic Resonance Studies. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9567-9583	3.4	25
158	Modelling of glass-like carbon structure and its experimental verification by neutron and X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2017 , 50, 36-48	3.8	36
157	Structure of liquid tricalcium aluminate. <i>Physical Review B</i> , 2017 , 95,	3.3	9
156	The atomic scale structure of saccharose-based carbons. <i>Philosophical Magazine</i> , 2017 , 97, 1675-1697	1.6	6
155	The structure of Y- and La-bearing aluminosilicate glasses and melts: A combined molecular dynamics and diffraction study. <i>Chemical Geology</i> , 2017 , 461, 23-33	4.2	5
154	What Is the Actual Local Crystalline Structure of Uranium Dioxide, UO ₂ ? A New Perspective for the Most Used Nuclear Fuel. <i>Inorganic Chemistry</i> , 2017 , 56, 321-326	5.1	33
153	The atomic scale structure of dahlia-like single wall carbon nanohorns produced by direct vaporization of graphite. <i>Diamond and Related Materials</i> , 2017 , 72, 26-31	3.5	3
152	Evolution of magnetic phases in SmCrO ₃ : A neutron diffraction and magnetometric study. <i>Physical Review B</i> , 2017 , 96,	3.3	15
151	Changes in the hydration structure of imidazole upon protonation: Neutron scattering and molecular simulations. <i>Journal of Chemical Physics</i> , 2017 , 146, 185102	3.9	11
150	High-pressure neutron diffraction apparatus for investigating the structure of liquids under hydrothermal conditions. <i>High Pressure Research</i> , 2017 , 37, 529-544	1.6	1
149	The atomic scale structure of glass-like carbon obtained from fullerene extract via spark plasma sintering. <i>Carbon</i> , 2016 , 110, 172-179	10.4	4
148	Structural Changes in the Local Environment of Uranium Atoms in the Three Phases of U ₄ O ₉ . <i>Inorganic Chemistry</i> , 2016 , 55, 7485-91	5.1	15

147	Pressure-induced structural changes in the network-forming isostatic glass GeSe ₄ : An investigation by neutron diffraction and first-principles molecular dynamics. <i>Physical Review B</i> , 2016 , 93,	3.3	22
146	Neutron diffraction of calcium aluminosilicate glasses and melts. <i>Journal of Non-Crystalline Solids</i> , 2016 , 451, 89-93	3.9	36
145	Structure of Glassy Ag ₁₀ Ge ₅ Se by Neutron Diffraction with Isotope Substitution. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016 , 230, 417-432	3.1	4
144	From atomic structure to excess entropy: a neutron diffraction and density functional theory study of CaO-Al ₂ O ₃ -SiO ₂ melts. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 135102	1.8	8
143	Optimizing the counting times for sample-in-container scattering experiments. <i>Journal of Applied Crystallography</i> , 2016 , 49, 2249-2251	3.8	8
142	Hydration of hydroxyl and amino groups examined by molecular dynamics and neutron scattering. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 6357-65	3.4	10
141	The atomic scale structure of graphene powder studied by neutron and X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2015 , 48, 1429-1436	3.8	12
140	Structure of the network glass-former ZnCl ₂ : From the boiling point to the glass. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 235-245	3.9	15
139	Density-driven defect-mediated network collapse of GeSe ₂ glass. <i>Physical Review B</i> , 2014 , 90,	3.3	27
138	Hydration of the chloride ion in concentrated aqueous solutions using neutron scattering and molecular dynamics. <i>Molecular Physics</i> , 2014 , 112, 1230-1240	1.7	34
137	Nanoscale structure and texture of highly anisotropic pyrocarbons revisited with transmission electron microscopy, image processing, neutron diffraction and atomistic modeling. <i>Carbon</i> , 2014 , 80, 472-489	10.4	38
136	Specific Heat of (GeTe) _x (Sb ₂ Te ₃) _{1-x} Phase-Change Materials: The Impact of Disorder and Anharmonicity. <i>Chemistry of Materials</i> , 2014 , 26, 2307-2312	9.6	33
135	High-pressure transformation of SiO ₂ glass from a tetrahedral to an octahedral network: a joint approach using neutron diffraction and molecular dynamics. <i>Physical Review Letters</i> , 2014 , 113, 135501	7.4	85
134	Density-driven structural transformations in B ₂ O ₃ glass. <i>Physical Review B</i> , 2014 , 90,	3.3	42
133	Structure of Ba-Ti-Al-O glasses produced by aerodynamic levitation and laser heating. <i>Physical Review B</i> , 2014 , 90,	3.3	6
132	Joint diffraction and modeling approach to the structure of liquid alumina. <i>Physical Review B</i> , 2013 , 87,	3.3	70
131	Structure of an Amorphous Boron Carbide Film: An Experimental and Computational Approach. <i>Chemistry of Materials</i> , 2013 , 25, 2618-2629	9.6	31
130	Magnetic structure of the metallic triangular antiferromagnet Ag ₂ NiO ₂ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 286005	1.8	6

129	Rare Earth doped ceria: a combined X-ray and neutron pair distribution function study. <i>Zeitschrift für Kristallographie</i> , 2012 , 227, 272-279		18
128	The structure of liquid calcium aluminates as investigated by neutron and high-energy x-ray diffraction in combination with molecular dynamics simulation methods. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 099501	1.8	4
127	Interplay between non-bridging oxygen, triclusters, and fivefold Al coordination in low silica content calcium aluminosilicate melts. <i>Applied Physics Letters</i> , 2012 , 101, 201903	3.4	70
126	Microstructure of pyrocarbons from pair distribution function analysis using neutron diffraction. <i>Carbon</i> , 2012 , 50, 1563-1573	10.4	25
125	Mechanisms of network collapse in GeO ₂ glass: high-pressure neutron diffraction with isotope substitution as arbitrator of competing models. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 502101	1.8	31
124	The bound coherent neutron scattering lengths of the oxygen isotopes. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 505105	1.8	8
123	Zeidler et al. Reply:. <i>Physical Review Letters</i> , 2012 , 108,	7.4	5
122	Structural transformations on vitrification in the fragile glass-forming system CaAl ₂ O ₄ . <i>Physical Review Letters</i> , 2012 , 109, 235501	7.4	45
121	Structure and triclustering in Ba-Al-O glass. <i>Physical Review B</i> , 2012 , 85,	3.3	34
120	Isotope effects in water as investigated by neutron diffraction and path integral molecular dynamics. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 284126	1.8	44
119	Refinement of the U ₄ O ₉ crystalline structure: new insight into the U ₄ O ₉ - U ₃ O ₈ transformation. <i>Inorganic Chemistry</i> , 2011 , 50, 6146-51	5.1	44
118	The structure of liquid calcium aluminates as investigated using neutron and high energy x-ray diffraction in combination with molecular dynamics simulation methods. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 155101	1.8	34
117	Structure of praseodymium and neodymium gallate glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2511-2515	3.9	7
116	Aerodynamic levitation and laser heating:. <i>European Physical Journal: Special Topics</i> , 2011 , 196, 151-165	2.3	40
115	Time-of-flight neutron spectroscopy: a new application of aerodynamic sample levitation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 3155-3158		7
114	Oxygen as a site specific probe of the structure of water and oxide materials. <i>Physical Review Letters</i> , 2011 , 107, 145501	7.4	46
113	Structure of eutectic liquids in the Au-Si, Au-Ge, and Ag-Ge binary systems by neutron diffraction. <i>Physical Review B</i> , 2011 , 83,	3.3	39
112	Structure of liquid and glassy ZnCl ₂ . <i>Physical Review B</i> , 2010 , 82,	3.3	58

111	Structure of GeO ₂ glass at pressures up to 8.6 GPa. <i>Physical Review B</i> , 2010 , 81,	3.3	55
110	Neutron diffraction study of molten calcium aluminates. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2492-2496	3.9	15
109	Specific interactions of ammonium functionalities in amino acids with aqueous fluoride and iodide. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 13853-60	3.4	18
108	Liquid-liquid phase transition in supercooled yttria-alumina. <i>Physical Review Letters</i> , 2009 , 103, 225702	7.4	54
107	Establishing the structure of GeS ₂ at high pressures and temperatures: a combined approach using x-ray and neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 474217	1.8	53
106	The structure of liquid carbon dioxide and carbon disulfide. <i>Journal of Chemical Physics</i> , 2009 , 130, 174503	3.9	12
105	Local structure of liquid CaAl ₂ O ₄ from ab initio molecular dynamics simulations. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5337-5339	3.9	14
104	The D20 instrument at the ILL: a versatile high-intensity two-axis neutron diffractometer. <i>Measurement Science and Technology</i> , 2008 , 19, 034001	2	195
103	Structure of molten yttrium aluminates: a neutron diffraction study. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 415105	1.8	3
102	Structure and dynamics of levitated liquid materials. <i>Pure and Applied Chemistry</i> , 2007 , 79, 1643-1652	2.1	5
101	The neutron diffraction anomalous dispersion technique and its application to vitreous Sm ₂ O ₃ -4P ₂ O ₅ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 571, 622-635	1.2	12
100	The structure of the rare-earth phosphate glass (Sm ₂ O ₃) _{0.205} (P ₂ O ₅) _{0.795} studied by anomalous dispersion neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 056002	1.8	15
99	Magnetic critical scattering in solid CoPd. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 415106	1.8	2
98	Structural study of levitated liquid Y ₂ O ₃ using neutron scattering. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 993-995	3.9	5
97	Structure and dynamics of levitated liquid aluminates. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 1705-1712	3.7	12
96	Ab-initio molecular dynamics simulations of the structure of liquid aluminates. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 1789-1792	3.9	16
95	Levitation apparatus for neutron diffraction investigations on high temperature liquids. <i>Review of Scientific Instruments</i> , 2006 , 77, 053903	1.7	60
94	Neutron and x-ray diffraction studies of liquids and glasses. <i>Reports on Progress in Physics</i> , 2006 , 69, 233-279	2.2	344

93	Structure of liquid lithium. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 195-222	1.8	27
92	Wide and low angle neutron scattering of water-pyridine mixtures. <i>Chemical Physics Letters</i> , 2004 , 388, 468-472	2.5	11
91	Structure of rare-earth phosphate glasses by neutron diffraction. <i>Journal of Non-Crystalline Solids</i> , 2004 , 345-346, 208-212	3.9	16
90	Kinetics of the high- to low-density amorphous water transition. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 321-332	1.8	74
89	Structure of dysprosium and holmium phosphate glasses by the method of isomorphic substitution in neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 8235-8252	1.8	28
88	La diffraction des neutrons et des rayons X pour l'étude structurale des liquides et des verres. <i>European Physical Journal Special Topics</i> , 2003 , 103, 359-390		6
87	Structure of lanthanum and cerium phosphate glasses by the method of isomorphic substitution in neutron diffraction. <i>Physical Review B</i> , 2003 , 68,	3.3	25
86	High temperature-high pressure apparatus for neutron diffraction on molten salts: Structure factors of molten zinc chloride. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 5313-5318	3.6	8
85	Identification of the relative distribution of rare-earth ions in phosphate glasses. <i>Physical Review Letters</i> , 2003 , 90, 185501	7.4	26
84	D4c: A very high precision diffractometer for disordered materials. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s160-s162	2.6	178
83	Neutron diffraction study of quantum effects on the pair correlation function of low-density ⁴ He. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s418-s420	2.6	1
82	Glassy dynamics of a kinetically constrained model: a direct comparison with experiment. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 1509-1521	1.8	8
81	Operation of sealed microstrip gas chambers at the ILL. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 471, 60-68	1.2	19
80	Anomalous Elastic Properties of Si/Ge Superlattices: The Role of Interfaces. <i>Physica Status Solidi A</i> , 2001 , 188, 1023-1040		8
79	Ag-dynamics in the superionic and liquid phases of Ag ₂ Se and Ag ₂ Te by coherent quasi-elastic neutron scattering. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 2425-2436	1.8	18
78	A determination of the structure of liquid Ga ₂ Te ₃ using combined X-ray diffraction and neutron diffraction with isotopic substitution. <i>Molecular Physics</i> , 2001 , 99, 767-772	1.7	9
77	Operation of sealed microstrip gas chambers at the ILL. <i>IEEE Transactions on Nuclear Science</i> , 2001 , 48, 1075-1080	1.7	12
76	Lithium environment in PEO-LiClO ₄ polymer electrolyte. <i>Europhysics Letters</i> , 2001 , 54, 347-353	1.6	64

75	Hydrophobic hydration of argon at high temperatures. <i>Journal of Chemical Physics</i> , 2001 , 115, 339-343	3.9	14
74	The structure of a fluid mixture of deuterated ethane and deuterated methane by high-pressure neutron diffraction experiments. <i>Journal of Chemical Physics</i> , 2001 , 115, 5561-5566	3.9	1
73	First solvation shell of the Cu(II) aqua ion: evidence for fivefold coordination. <i>Science</i> , 2001 , 291, 856-9	33.3	314
72	Europium palladium hydrides. <i>Inorganic Chemistry</i> , 2001 , 40, 2608-13	5.1	37
71	Stabilisation of fcc cobalt layers by 0.4 nm thick manganese layers in Co/Mn superlattices. <i>European Physical Journal B</i> , 2001 , 19, 225-239	1.2	9
70	The hydration structure of the Ni ²⁺ ion intercalated in montmorillonite clay: a neutron diffraction with isotopic substitution study. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 5567-5574	3.6	23
69	The D4c neutron diffractometer for liquids and glasses. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 93-94	2.8	11
68	EPMC versus RMC modelling: the structure of supercritical HCF ₃ . <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 481-482	2.8	5
67	The microscopic structure of liquid mercury from neutron and X-ray diffraction. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 452-453	2.8	8
66	The magnetic structure of GdCu ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 214, 281-290	2.8	11
65	Defects in a disordered world: the structure of glassy GeSe ₂ . <i>Physical Review Letters</i> , 2000 , 84, 2413-6	7.4	211
64	Small angle neutron scattering from D ₂ O in the critical region. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 3531-3542	1.8	12
63	Rotational freezing in plastic crystals: a model system for investigating the dynamics of the glass transition. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, A391-A397	1.8	7
62	The structure of liquid and supercritical deuterium fluoride from neutron scattering using high-pressure techniques. <i>Journal of Chemical Physics</i> , 2000 , 113, 3690-3696	3.9	38
61	Role of low-frequency vibrations on sound propagation in glasses at intermediate temperature. <i>Physical Review B</i> , 2000 , 61, 8778-8783	3.3	20
60	Rotational dynamics in the plastic-crystal phase of ethanol: Relevance for understanding the dynamics during the structural glass transition. <i>Physical Review B</i> , 2000 , 61, 12082-12093	3.3	37
59	Structure of a metallic solution of lithium in ammonia. <i>Physical Review B</i> , 2000 , 61, 11993-11997	3.3	20
58	The structure of fluid trifluoromethane and methylfluoride. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 8765-8776	1.8	18

57	A determination of the structure of liquid Ag ₂ Te using neutron diffraction and isotopic substitution and its comparison to Ag ₂ Se. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 7311-7322	1.8	14
56	Hydrogen bonding in liquid methanol at ambient conditions and at high pressure. <i>Molecular Physics</i> , 2000 , 98, 125-134	1.7	51
55	Structure of the liquid semiconductor GeSe. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 7051-7060	1.8	20
54	An experimental separation of anharmonic and disorder effects on glassy dynamics. <i>Europhysics Letters</i> , 1999 , 46, 643-648	1.6	2
53	Purely Dynamical Signature of the Orientational Glass Transition. <i>Physical Review Letters</i> , 1999 , 83, 2757-2760	4.0	40
52	Magnetic structure of GdCu through the martensitic structural transformation: A neutron-diffraction study. <i>Physical Review B</i> , 1999 , 59, 512-518	3.3	38
51	The structure of fluid argon from high-pressure neutron diffraction and ab initio molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 1999 , 111, 2641-2646	3.9	14
50	Structural studies of multiwall carbon nanotubes by neutron diffraction. <i>Physical Review B</i> , 1999 , 59, 1665-1668	3.3	60
49	Oxidation study of Co/Cu multilayers by resonant X-ray reflectivity. <i>Vacuum</i> , 1999 , 52, 109-113	3.7	1
48	Structural studies of a water/dioxane mixture by neutron diffraction with hydrogen/deuterium substitution. <i>Chemical Physics Letters</i> , 1999 , 303, 315-319	2.5	22
47	Quantitative Evaluation of Anharmonic and Disorder Effects on Glassy Dynamics. <i>Physical Review Letters</i> , 1999 , 82, 1193-1196	7.4	27
46	Giant magnetoresistance in Fe/Cr superlattices with and without bulk scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 198-199, 104-106	2.8	4
45	Neutron diffraction on mercury: density dependence of the static structure factor. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 35-39	3.9	6
44	Local order and metal-non-metal transition in Cd _x Te _{1-x} : a neutron diffraction study. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 297-300	3.9	8
43	Structure of molten GeSe by neutron diffraction: the Ge coordination environment. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 405-409	3.9	6
42	Giant magnetoresistance dependence on the lateral correlation length of the interface roughness in magnetic superlattices. <i>Physical Review B</i> , 1999 , 59, 1242-1248	3.3	49
41	Structural studies of carbon nanotubes by wide-angle neutron scattering 1999 ,		1
40	Combination of specular and off-specular low-angle X-ray diffraction in the study of metallic multilayers. <i>Solid State Communications</i> , 1998 , 108, 769-773	1.6	1

39	The Structure of Interlayer Water in LiMontmorillonite Studied by Neutron Diffraction with Isotopic Substitution. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 10899-10905	3.4	36
38	Neutron diffraction experiments on ethane under high pressure. <i>Molecular Physics</i> , 1998 , 94, 325-333	1.7	6
37	Low-temperature specific heat and glassy dynamics of a polymorphic molecular solid. <i>Physical Review B</i> , 1998 , 58, 745-755	3.3	88
36	A determination of the partial structure factors of liquid TlSe using combined x-ray and neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, L645-L650	1.8	7
35	Study of interfaces in Co/Cu multilayers by low-angle anomalous x-ray diffraction. <i>Journal of Applied Physics</i> , 1998 , 84, 1881-1888	2.5	19
34	Quantum Mechanical Effects on the Static Structure Factor of Pairs of Orthodeuterium Molecules. <i>Physical Review Letters</i> , 1998 , 81, 5828-5831	7.4	5
33	Quantitative study of the interdependence OF interface structure and giant magnetoresistance in polycrystalline Fe/Cr superlattices. <i>Physical Review B</i> , 1998 , 57, 13692-13697	3.3	33
32	Local order and magnetism in liquid Al-Pd-Mn alloys. <i>Physical Review B</i> , 1998 , 58, 6273-6286	3.3	78
31	Structure of the glassy fast-ion conductor AgPS3 by neutron diffraction. <i>Physical Review B</i> , 1998 , 58, 6115-6123	3.3	46
30	A determination of the structure of liquid using neutron diffraction and isotopic substitution. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 6159-6173	1.8	34
29	Structural correlations in disordered matter: An experimental separation of orientational and positional contributions. <i>Physical Review B</i> , 1997 , 56, 11536-11545	3.3	45
28	Neutron-diffraction studies of amorphous CNx materials. <i>Physical Review B</i> , 1997 , 56, 14315-14321	3.3	16
27	Collective, short-wavelength excitations in liquid gallium. <i>Physical Review E</i> , 1997 , 56, 3358-3369	2.4	37
26	Quantitative Assessment of the Effects of Orientational and Positional Disorder on Glassy Dynamics. <i>Physical Review Letters</i> , 1997 , 78, 82-85	7.4	154
25	The structure of low-density ortho-deuterium investigated through neutron diffraction. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 331-333	2.8	
24	Polymorphic ethyl alcohol as a model system for the quantitative study of glassy behavior. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 433-434	2.8	
23	The relationship between intermediate-range order in glasses and discernible features in the static structure factor. <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 448-449	2.8	
22	Disorder effects on glassy dynamics: Separation of orientational and positional correlations. <i>Physica B: Condensed Matter</i> , 1997 , 241-243, 883-889	2.8	5

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13	Rapid crystallization of amorphous Co ₂ Zr and Fe ₂ B close to eutectic compositions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 396-400	5.3	2
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