Henry E Fischer

List of Publications by Citations

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	Neutron and x-ray diffraction studies of liquids and glasses. *Reports on Progress in Physics*, **2006**, 69, 233-299	12.4	344
181	First solvation shell of the Cu(II) aqua ion: evidence for fivefold coordination. *Science*, **2001**, 291, 856-9	33.3	314
180	Thermal conductivity of thin films: Measurements and understanding. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1989**, 7, 1259-1266	2.9	245
179	Defects in a disordered world: the structure of glassy GeSe2. *Physical Review Letters*, **2000**, 84, 2413-6	7.4	211
178	The D20 instrument at the ILL: a versatile high-intensity two-axis neutron diffractometer. *Measurement Science and Technology*, **2008**, 19, 034001	2	195
177	D4c: A very high precision diffractometer for disordered materials. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s160-s162	2.6	178
176	Quantitative Assessment of the Effects of Orientational and Positional Disorder on Glassy Dynamics. *Physical Review Letters*, **1997**, 78, 82-85	7.4	154
175	Phonon radiative heat transfer and surface scattering. *Physical Review B*, **1988**, 38, 7576-7594	3.3	111
174	Low-temperature specific heat and glassy dynamics of a polymorphic molecular solid. *Physical Review B*, **1998**, 58, 745-755	3.3	88
173	High-pressure transformation of SiO_2 glass from a tetrahedral to an octahedral network: a joint approach using neutron diffraction and molecular dynamics. *Physical Review Letters*, **2014**, 113, 135501	7.4	85
172	Femtosecond x-ray diffraction reveals a liquid-liquid phase transition in phase-change materials. *Science*, **2019**, 364, 1062-1067	33.3	84
171	Local order and magnetism in liquid Al-Pd-Mn alloys. *Physical Review B*, **1998**, 58, 6273-6286	3.3	78
170	Kinetics of the high- to low-density amorphous water transition. *Journal of Physics Condensed Matter*, **2003**, 15, 321-332	1.8	74
169	Thermal properties of boron and borides. *Physical Review B*, **1989**, 40, 3254-3260	3.3	73
168	Joint diffraction and modeling approach to the structure of liquid alumina. *Physical Review B*, **2013**, 87,	3.3	70
167	Interplay between non-bridging oxygen, triclusters, and fivefold Al coordination in low silica content calcium aluminosilicate melts. *Applied Physics Letters*, **2012**, 101, 201903	3.4	70
166	Direct Experimental Evidence of the Relationship between Intermediate-Range Order in Topologically Disordered Matter and Discernible Features in the Static Structure Factor. *Physical Review Letters*, **1996**, 77, 3823-3826	7.4	66

165	Lithium environment in PEO-LiClO 4 polymer electrolyte. *Europhysics Letters*, **2001**, 54, 347-353	1.6	64
164	Levitation apparatus for neutron diffraction investigations on high temperature liquids. *Review of Scientific Instruments*, **2006**, 77, 053903	1.7	60
163	Structural studies of multiwall carbon nanotubes by neutron diffraction. *Physical Review B*, **1999**, 59, 1665-1668	3.3	60
162	Structure of liquid and glassy ZnCl2. *Physical Review B*, **2010**, 82,	3.3	58
161	Structure of GeO2 glass at pressures up to 8.6 GPa. *Physical Review B*, **2010**, 81,	3.3	55
160	Liquid-liquid phase transition in supercooled yttria-alumina. *Physical Review Letters*, **2009**, 103, 225702	7.4	54
159	Hydration and Ion Pairing in Aqueous Mg and Zn Solutions: Force-Field Description Aided by Neutron Scattering Experiments and Ab Initio Molecular Dynamics Simulations. *Journal of Physical Chemistry B*, **2018**, 122, 3296-3306	3.4	54
158	Establishing the structure of GeS(2) at high pressures and temperatures: a combined approach using x-ray and neutron diffraction. *Journal of Physics Condensed Matter*, **2009**, 21, 474217	1.8	53
157	Calcium ions in aqueous solutions: Accurate force field description aided by ab initio molecular dynamics and neutron scattering. *Journal of Chemical Physics*, **2018**, 148, 222813	3.9	51
156	Hydrogen bonding in liquid methanol at ambient conditions and at high pressure. *Molecular Physics*, **2000**, 98, 125-134	1.7	51
155	Giant magnetoresistance dependence on the lateral correlation length of the interface roughness in magnetic superlattices. *Physical Review B*, **1999**, 59, 1242-1248	3.3	49
154	Oxygen as a site specific probe of the structure of water and oxide materials. *Physical Review Letters*, **2011**, 107, 145501	7.4	46
153	Structure of the glassy fast-ion conductor AgPS3 by neutron diffraction. *Physical Review B*, **1998**, 58, 6115-6123	3.3	46
152	Structural transformations on vitrification in the fragile glass-forming system CaAl2O4. *Physical Review Letters*, **2012**, 109, 235501	7.4	45
151	Structural correlations in disordered matter: An experimental separation of orientational and positional contributions. *Physical Review B*, **1997**, 56, 11536-11545	3.3	45
150	Refinement of the □U4O9 crystalline structure: new insight into the U4O9 -αU3O8 transformation. *Inorganic Chemistry*, **2011**, 50, 6146-51	5.1	44
149	Isotope effects in water as investigated by neutron diffraction and path integral molecular dynamics. *Journal of Physics Condensed Matter*, **2012**, 24, 284126	1.8	44
148	Density-driven structural transformations in B2O3 glass. *Physical Review B*, **2014**, 90,	3.3	42

147	Aerodynamic levitation and laser heating:. *European Physical Journal: Special Topics*, **2011**, 196, 151-165	2.3	40
146	Purely Dynamical Signature of the Orientational Glass Transition. *Physical Review Letters*, **1999**, 83, 2757-2760	7.4	40
145	Structure of eutectic liquids in the Au-Si, Au-Ge, and Ag-Ge binary systems by neutron diffraction. *Physical Review B*, **2011**, 83,	3.3	39
144	Nanoscale structure and texture of highly anisotropic pyrocarbons revisited with transmission electron microscopy, image processing, neutron diffraction and atomistic modeling. *Carbon*, **2014**, 80, 472-489	10.4	38
143	The structure of liquid and supercritical deuterium fluoride from neutron scattering using high-pressure techniques. *Journal of Chemical Physics*, **2000**, 113, 3690-3696	3.9	38
142	Magnetic structure of GdCu through the martensitic structural transformation: A neutron-diffraction study. *Physical Review B*, **1999**, 59, 512-518	3.3	38
141	Collective, short-wavelength excitations in liquid gallium. *Physical Review E*, **1997**, 56, 3358-3369	2.4	37
140	Rotational dynamics in the plastic-crystal phase of ethanol: Relevance for understanding the dynamics during the structural glass transition. *Physical Review B*, **2000**, 61, 12082-12093	3.3	37
139	Europium palladium hydrides. *Inorganic Chemistry*, **2001**, 40, 2608-13	5.1	37
138	Modelling of glass-like carbon structure and its experimental verification by neutron and X-ray diffraction. *Journal of Applied Crystallography*, **2017**, 50, 36-48	3.8	36
137	Neutron diffraction of calcium aluminosilicate glasses and melts. *Journal of Non-Crystalline Solids*, **2016**, 451, 89-93	3.9	36
136	The Structure of Interlayer Water in Li⁺Montmorillonite Studied by Neutron Diffraction with Isotopic Substitution. *Journal of Physical Chemistry B*, **1998**, 102, 10899-10905	3.4	36
135	Hydration of the chloride ion in concentrated aqueous solutions using neutron scattering and molecular dynamics. *Molecular Physics*, **2014**, 112, 1230-1240	1.7	34
134	The structure of liquid calcium aluminates as investigated using neutron and high energy x-ray diffraction in combination with molecular dynamics simulation methods. *Journal of Physics Condensed Matter*, **2011**, 23, 155101	1.8	34
133	Structure and triclustering in Ba-Al-O glass. *Physical Review B*, **2012**, 85,	3.3	34
132	A determination of the structure of liquid using neutron diffraction and isotopic substitution. *Journal of Physics Condensed Matter*, **1997**, 9, 6159-6173	1.8	34
131	What Is the Actual Local Crystalline Structure of Uranium Dioxide, UO? A New Perspective for the Most Used Nuclear Fuel. *Inorganic Chemistry*, **2017**, 56, 321-326	5.1	33
130	Specific Heat of (GeTe)x(Sb2Te3)1− Phase-Change Materials: The Impact of Disorder and Anharmonicity. *Chemistry of Materials*, **2014**, 26, 2307-2312	9.6	33

129	Quantitative study of the interdependence OF interface structure and giant magnetoresistance in polycrystalline Fe/Cr superlattices. *Physical Review B*, **1998**, 57, 13692-13697	3.3	33
128	Structure of an Amorphous Boron Carbide Film: An Experimental and Computational Approach. *Chemistry of Materials*, **2013**, 25, 2618-2629	9.6	31
127	Mechanisms of network collapse in GeO2 glass: high-pressure neutron diffraction with isotope substitution as arbitrator of competing models. *Journal of Physics Condensed Matter*, **2012**, 24, 502101	1.8	31
126	Structure of dysprosium and holmium phosphate glasses by the method of isomorphic substitution in neutron diffraction. *Journal of Physics Condensed Matter*, **2003**, 15, 8235-8252	1.8	28
125	Influence of spin-orbit scattering on the magnetoresistance due to enhanced electron-electron interactions. *Physical Review B*, **1992**, 46, 10035-10040	3.3	28
124	Density-driven defect-mediated network collapse of GeSe2 glass. *Physical Review B*, **2014**, 90,	3.3	27
123	Structure of liquid lithium. *Journal of Physics Condensed Matter*, **2004**, 16, 195-222	1.8	27
122	Quantitative Evaluation of Anharmonic and Disorder Effects on Glassy Dynamics. *Physical Review Letters*, **1999**, 82, 1193-1196	7.4	27
121	Crystal electric fields in heavy-electron metals: The specific heats of U2Zn17 and CeCu6 to 70 K. *Physical Review B*, **1987**, 36, 5330-5342	3.3	27
120	Identification of the relative distribution of rare-earth ions in phosphate glasses. *Physical Review Letters*, **2003**, 90, 185501	7.4	26
119	Microstructure of pyrocarbons from pair distribution function analysis using neutron diffraction. *Carbon*, **2012**, 50, 1563-1573	10.4	25
118	Structure of lanthanum and cerium phosphate glasses by the method of isomorphic substitution in neutron diffraction. *Physical Review B*, **2003**, 68,	3.3	25
117	Structure of Strontium Aluminosilicate Glasses from Molecular Dynamics Simulation, Neutron Diffraction, and Nuclear Magnetic Resonance Studies. *Journal of Physical Chemistry B*, **2018**, 122, 9567-9583	3.4	25
116	Thermal conductivity and specific heat of boron carbides. *Journal of Alloys and Compounds*, **1994**, 203, 67-75	5.7	24
115	The hydration structure of the Ni2+ ion intercalated in montmorillonite clay: a neutron diffraction with isotopic substitution study. *Physical Chemistry Chemical Physics*, **2001**, 3, 5567-5574	3.6	23
114	Thermal conductivity and specific heat of glass ceramics. *Physical Review B*, **1991**, 44, 12226-12232	3.3	23
113	Pressure-induced structural changes in the network-forming isostatic glass GeSe4: An investigation by neutron diffraction and first-principles molecular dynamics. *Physical Review B*, **2016**, 93,	3.3	22
112	Structural studies of a water/dioxane mixture by neutron diffraction with hydrogen/deuterium substitution. *Chemical Physics Letters*, **1999**, 303, 315-319	2.5	22

111	Role of low-frequency vibrations on sound propagation in glasses at intermediate temperature. *Physical Review B*, **2000**, 61, 8778-8783	3.3	20
110	Structure of a metallic solution of lithium in ammonia. *Physical Review B*, **2000**, 61, 11993-11997	3.3	20
109	Structure of the liquid semiconductor GeSe. *Journal of Physics Condensed Matter*, **1999**, 11, 7051-7060	1.8	20
108	Operation of sealed microstrip gas chambers at the ILL. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 471, 60-68	1.2	19
107	Study of interfaces in Co/Cu multilayers by low-angle anomalous x-ray diffraction. *Journal of Applied Physics*, **1998**, 84, 1881-1888	2.5	19
106	Structure and properties of densified silica glass: characterizing the order within disorder. *NPG Asia Materials*, **2020**, 12,	10.3	19
105	Rare Earth doped ceria: a combined X-ray and neutron pair distribution function study. *Zeitschrift F Kristallographie*, **2012**, 227, 272-279		18
104	Specific interactions of ammonium functionalities in amino acids with aqueous fluoride and iodide. *Journal of Physical Chemistry B*, **2010**, 114, 13853-60	3.4	18
103	Ag+dynamics in the superionic and liquid phases of Ag2Se and Ag2Te by coherent quasi-elastic neutron scattering. *Journal of Physics Condensed Matter*, **2001**, 13, 2425-2436	1.8	18
102	The structure of fluid trifluoromethane and methylfluoride. *Journal of Physics Condensed Matter*, **2000**, 12, 8765-8776	1.8	18
101	Local Structure and Lithium Diffusion Pathways in Li4Mn2O5 High Capacity Cathode Probed by Total Scattering and XANES. *Chemistry of Materials*, **2018**, 30, 3060-3070	9.6	16
100	Neutron-diffraction studies of amorphous CNx materials. *Physical Review B*, **1997**, 56, 14315-14321	3.3	16
99	Ab-initio molecular dynamics simulations of the structure of liquid aluminates. *Journal of Non-Crystalline Solids*, **2007**, 353, 1789-1792	3.9	16
98	Structure of rare-earth phosphate glasses by neutron diffraction. *Journal of Non-Crystalline Solids*, **2004**, 345-346, 208-212	3.9	16
97	Partial structure investigation of the traditional bulk metallic glass Pd40Ni40P20. *Physical Review B*, **2019**, 100,	3.3	15
96	Structure of the network glass-former ZnCl2: From the boiling point to the glass. *Journal of Non-Crystalline Solids*, **2015**, 407, 235-245	3.9	15
95	Structural Changes in the Local Environment of Uranium Atoms in the Three Phases of U4O9. *Inorganic Chemistry*, **2016**, 55, 7485-91	5.1	15
94	Evolution of magnetic phases in SmCrO3: A neutron diffraction and magnetometric study. *Physical Review B*, **2017**, 96,	3.3	15

93	Neutron diffraction study of molten calcium aluminates. *Journal of Non-Crystalline Solids*, **2010**, 356, 2492-2496	3.9	15
92	The structure of the rare-earth phosphate glass (Sm2O3)0.205(P2O5)0.795studied by anomalous dispersion neutron diffraction. *Journal of Physics Condensed Matter*, **2007**, 19, 056002	1.8	15
91	Local structure of liquid CaAl2O4 from ab initio molecular dynamics simulations. *Journal of Non-Crystalline Solids*, **2008**, 354, 5337-5339	3.9	14
90	Hydrophobic hydration of argon at high temperatures. *Journal of Chemical Physics*, **2001**, 115, 339-343	3.9	14
89	A determination of the structure of liquid Ag2Te using neutron diffraction and isotopic substitution and its comparison to Ag2Se. *Journal of Physics Condensed Matter*, **2000**, 12, 7311-7322	1.8	14
88	The structure of fluid argon from high-pressure neutron diffraction and ab initio molecular dynamics simulations. *Journal of Chemical Physics*, **1999**, 111, 2641-2646	3.9	14
87	Percolating cermet thin-film thermistors between 50 mK and 300 K and 0 and 20 T. *Journal of Applied Physics*, **1988**, 64, 4760-4762	2.5	13
86	The atomic scale structure of graphene powder studied by neutron and X-ray diffraction. *Journal of Applied Crystallography*, **2015**, 48, 1429-1436	3.8	12
85	The structure of liquid carbon dioxide and carbon disulfide. *Journal of Chemical Physics*, **2009**, 130, 174503	3.9	12
84	The neutron diffraction anomalous dispersion technique and its application to vitreous Sm2O3–P2O5. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 571, 622-635	1.2	12
83	Structure and dynamics of levitated liquid aluminates. *Journal of Non-Crystalline Solids*, **2007**, 353, 1705-1712	1.7	12
82	Operation of sealed microstrip gas chambers at the ILL. *IEEE Transactions on Nuclear Science*, **2001**, 48, 1075-1080	1.7	12
81	Small angle neutron scattering from D2O in the critical region. *Journal of Physics Condensed Matter*, **2000**, 12, 3531-3542	1.8	12
80	Pressure induced structural transformations in amorphous MgSiO3 and CaSiO3. *Journal of Non-Crystalline Solids: X*, **2019**, 3, 100024	2.5	11
79	Changes in the hydration structure of imidazole upon protonation: Neutron scattering and molecular simulations. *Journal of Chemical Physics*, **2017**, 146, 185102	3.9	11
78	Wide and low angle neutron scattering of water–pyridine mixtures. *Chemical Physics Letters*, **2004**, 388, 468-472	2.5	11
77	The D4c neutron diffractometer for liquids and glasses. *Physica B: Condensed Matter*, **2000**, 276-278, 93-94	2.8	11
76	The magnetic structure of GdCu2. *Journal of Magnetism and Magnetic Materials*, **2000**, 214, 281-290	2.8	11

75	Structure and dynamics of high-temperature strontium aluminosilicate melts. *Physical Chemistry Chemical Physics*, **2018**, 20, 27865-27877	3.6	11
74	Role of local short-scale correlations in the mechanism of negative magnetization. *Physical Review B*, **2019**, 99,	3.3	10
73	Hydration of hydroxyl and amino groups examined by molecular dynamics and neutron scattering. *Journal of Physical Chemistry B*, **2015**, 119, 6357-65	3.4	10
72	Specular and off-specular anomalous X-ray scattering as quantitative structural probes of multilayers. *Nuclear Instruments & Methods in Physics Research B*, **1995**, 97, 402-406	1.2	10
71	Structure of liquid tricalcium aluminate. *Physical Review B*, **2017**, 95,	3.3	9
70	Structural and electronic changes in graphite fluorides as a function of fluorination rate: An XRS, PDF and DFT study. *Carbon*, **2019**, 147, 1-8	10.4	9
69	Characterization of Oxygen Defect Clusters in UO Using Neutron Scattering and PDF Analysis. *Inorganic Chemistry*, **2018**, 57, 7064-7076	5.1	9
68	A determination of the structure of liquid Ga2Te3 using combined X-ray diffraction and neutron diffraction with isotopic substitution. *Molecular Physics*, **2001**, 99, 767-772	1.7	9
67	Stabilisation of fcc cobalt layers by 0.4 nm thick manganese layers in Co/Mn superlattices. *European Physical Journal B*, **2001**, 19, 225-239	1.2	9
66	From atomic structure to excess entropy: a neutron diffraction and density functional theory study of CaO-Al□□SiO□ melts. *Journal of Physics Condensed Matter*, **2016**, 28, 135102	1.8	8
65	The bound coherent neutron scattering lengths of the oxygen isotopes. *Journal of Physics Condensed Matter*, **2012**, 24, 505105	1.8	8
64	High temperature□high pressure apparatus for neutron diffraction on molten salts: Structure factors of molten zinc chloride. *Physical Chemistry Chemical Physics*, **2003**, 5, 5313-5318	3.6	8
63	Anomalous Elastic Properties of Si/Ge Superlattices: The Role of Interfaces. *Physica Status Solidi A*, **2001**, 188, 1023-1040		8
62	Glassy dynamics of a kinetically constrained model: a direct comparison with experiment. *Journal of Physics Condensed Matter*, **2002**, 14, 1509-1521	1.8	8
61	The microscopic structure of liquid mercury from neutron and X-ray diffraction. *Physica B: Condensed Matter*, **2000**, 276-278, 452-453	2.8	8
60	Local order and metal□on-metal transition in CdxTe1□: a neutron diffraction study. *Journal of Non-Crystalline Solids*, **1999**, 250-252, 297-300	3.9	8
59	Critical scattering by fluid cyclohexane in porous silica. *Chemical Physics Letters*, **1996**, 253, 367-371	2.5	8
58	Optimizing the counting times for sample-in-container scattering experiments. *Journal of Applied Crystallography*, **2016**, 49, 2249-2251	3.8	8

57	Structure of praseodymium and neodymium gallate glasses. *Journal of Non-Crystalline Solids*, **2011**, 357, 2511-2515	3.9	7
56	Time-of-flight neutron spectroscopy: a new application of aerodynamic sample levitation. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2011**, 8, 3155-3158		7
55	Rotational freezing in plastic crystals: a model system for investigating the dynamics of the glass transition. *Journal of Physics Condensed Matter*, **2000**, 12, A391-A397	1.8	7
54	A determination of the partial structure factors of liquid TlSe using combined x-ray and neutron diffraction. *Journal of Physics Condensed Matter*, **1998**, 10, L645-L650	1.8	7
53	Influence of different kinds of interface roughness on the giant magnetoresistance in Fe/Cr superlattices. *Journal of Magnetism and Magnetic Materials*, **1996**, 156, 339-340	2.8	7
52	The Ba3Mo1WxNbO8.5 ion conductors: insights into local coordination from X-ray and neutron total scattering. *Journal of Materials Chemistry A*, **2020**, 8, 21227-21240	13	7
51	The atomic scale structure of saccharose-based carbons. *Philosophical Magazine*, **2017**, 97, 1675-1697	1.6	6
50	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo-Based Intermetallic Compounds (R = Rare Earth). *Inorganic Chemistry*, **2019**, 58, 5401-5405	5.1	6
49	Structure of Ba-Ti-Al-O glasses produced by aerodynamic levitation and laser heating. *Physical Review B*, **2014**, 90,	3.3	6
48	Magnetic structure of the metallic triangular antiferromagnet Ag2NiO2. *Journal of Physics Condensed Matter*, **2013**, 25, 286005	1.8	6
47	La diffraction des neutrons et des rayons X pour l'tude structurale des liquides et des verres. *European Physical Journal Special Topics*, **2003**, 103, 359-390		6
46	Neutron diffraction experiments on ethane under high pressure. *Molecular Physics*, **1998**, 94, 325-333	1.7	6
45	Neutron diffraction on mercury: density dependence of the static structure factor. *Journal of Non-Crystalline Solids*, **1999**, 250-252, 35-39	3.9	6
44	Structure of molten GeSe by neutron diffraction: the Ge coordination environment. *Journal of Non-Crystalline Solids*, **1999**, 250-252, 405-409	3.9	6
43	In situ x-ray-scattering studies of polymorphic crystallization of metal-boron glasses. *Physical Review B*, **1993**, 47, 11757-11766	3.3	6
42	Effect of Crystallization on Thermal Conductivity and Specific Heat of Two Corning Glass-Ceramics. *Journal of the American Ceramic Society*, **1991**, 74, 564-568	3.8	6
41	The structure of Y- and La-bearing aluminosilicate glasses and melts: A combined molecular dynamics and diffraction study. *Chemical Geology*, **2017**, 461, 23-33	4.2	5
40	Structure of semiconducting versus fast-ion conducting glasses in the Ag-Ge-Se system. *Royal Society Open Science*, **2018**, 5, 171401	3.3	5

39	Zeidler et al. Reply:. *Physical Review Letters*, **2012**, 108,	7.4	5
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37	Structure and dynamics of levitated liquid materials. *Pure and Applied Chemistry*, **2007**, 79, 1643-1652	2.1	5
36	Structural study of levitated liquid Y2O3 using neutron scattering. *Journal of Non-Crystalline Solids*, **2007**, 353, 993-995	3.9	5
35	EPMC versus RMC modelling: the structure of supercritical HCF3. *Physica B: Condensed Matter*, **2000** , 276-278, 481-482	2.8	5
34	Quantum Mechanical Effects on the Static Structure Factor of Pairs of Orthodeuterium Molecules. *Physical Review Letters*, **1998**, 81, 5828-5831	7.4	5
33	A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in (Gd,Ho)(Co,Fe)2. *Inorganic Chemistry Frontiers*, **2019**, 6, 3146-3151	6.8	4
32	Structure of the Intermediate Phase Glasses GeSe3 and GeSe4: The Deployment of Neutron Diffraction With Isotope Substitution. *Frontiers in Materials*, **2019**, 6,	4	4
31	The atomic scale structure of glass-like carbon obtained from fullerene extract via spark plasma sintering. *Carbon*, **2016**, 110, 172-179	10.4	4
30	Structure of Glassy AgGeSe by Neutron Diffraction with Isotope Substitution. *Zeitschrift Fur Physikalische Chemie*, **2016**, 230, 417-432	3.1	4
29	The structure of liquid calcium aluminates as investigated by neutron and high-energy x-ray diffraction in combination with molecular dynamics simulation methods. *Journal of Physics Condensed Matter*, **2012**, 24, 099501	1.8	4
28	Neutron diffraction by the flux line lattice in YBa2Cu3O7 single. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 2089-2090	1.3	4
27	Giant magnetoresistance in Fe/Cr superlattices with and without bulk scattering. *Journal of Magnetism and Magnetic Materials*, **1999**, 198-199, 104-106	2.8	4
26	Neutron scattering study of nickel decorated thermally exfoliated graphite oxide. *International Journal of Hydrogen Energy*, **2019**, 44, 30999-31007	6.7	4
25	The atomic scale structure of dahlia-like single wall carbon nanohorns produced by direct vaporization of graphite. *Diamond and Related Materials*, **2017**, 72, 26-31	3.5	3
24	Structure in liquid KTl investigated by means of neutron diffraction using 205Tl isotope substitution. *Physica B: Condensed Matter*, **1997**, 241-243, 961-963	2.8	3
23	Neutron Diffraction by the Flux Line Lattice in YBa2Cu3O7 Single Crystals. *Journal of Applied Crystallography*, **1997**, 30, 571-574	3.8	3
22	Structure of molten yttrium aluminates: a neutron diffraction study. *Journal of Physics Condensed Matter*, **2007**, 19, 415105	1.8	3

21	Stabilization of the fcc Co structure in Co/Mn multilayers with very thin Mn layers. *Journal of Magnetism and Magnetic Materials*, **1996**, 156, 23-24	2.8	3
20	Understanding Local Structure versus Long-Range Structure: The Case of UO. *Chemistry - A European Journal*, **2018**, 24, 2085-2088	4.8	2
19	Magnetic critical scattering in solid CoPd. *Journal of Physics Condensed Matter*, **2007**, 19, 415106	1.8	2
18	An experimental separation of anharmonic and disorder effects on glassy dynamics. *Europhysics Letters*, **1999**, 46, 643-648	1.6	2
17	Rapid crystallization of amorphous Co?Zr and Fe?B close to eutectic compositions. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 179-180, 396-400	5.3	2
16	Investigation of liquid 1,4-dioxane: an X-ray and neutron diffraction study		2
15	Molecular Dynamics and Neutron Scattering Studies of Potassium Chloride in Aqueous Solution. *Journal of Physical Chemistry B*, **2019**, 123, 10807-10813	3.4	2
14	High-pressure neutron diffraction apparatus for investigating the structure of liquids under hydrothermal conditions. *High Pressure Research*, **2017**, 37, 529-544	1.6	1
13	Combination of specular and off-specular low-angle X-ray diffraction in the study of metallic multilayers. *Solid State Communications*, **1998**, 108, 769-773	1.6	1
12	Neutron diffraction study of quantum effects on the pair correlation function of low-density 4He. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s418-s420	2.6	1
11	The structure of a fluid mixture of deuterated ethane and deuterated methane by high-pressure neutron diffraction experiments. *Journal of Chemical Physics*, **2001**, 115, 5561-5566	3.9	1
10	Oxidation study of Co/Cu multilayers by resonant X-ray reflectivity. *Vacuum*, **1999**, 52, 109-113	3.7	1
9	Structural studies of carbon nanotubes by wide-angle neutron scattering **1999**,		1
8	Structure and dynamics of aqueous NaCl solutions at high temperatures and pressures. *Journal of Chemical Physics*, **2021**, 155, 194506	3.9	1
7	Detailed structural analysis of amorphous Pd40Cu40P20: Comparison with the metallic glass Pd40Ni40P20 from the viewpoint of glass forming ability. *Journal of Non-Crystalline Solids*, **2021**, 555, 120536	3.9	1
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5	The structure of low-density ortho-deuterium investigated through neutron diffraction. *Physica B: Condensed Matter*, **1997**, 234-236, 331-333	2.8	
4	Polymorphic ethyl alcohol as a model system for the quantitative study of glassy behavior. *Physica B: Condensed Matter*, **1997**, 234-236, 433-434	2.8	

3	The relationship between intermediate-range order in glasses and discernible features in the static structure factor. *Physica B: Condensed Matter*, **1997**, 234-236, 448-449	2.8
2	Time-resolved X-ray scattering studies of rapid crystallization of amorphous metals. *International Journal of Thermophysics*, **1993**, 14, 541-553	2.1
1	From SmOF to SmHOF: H/F Substitution in Oxide Fluorides as a Synthesis Route to Heteroanionic Compounds. *Inorganic Chemistry*, **2021**, 60, 17775-17782	5.1