

Henry E Fischer

List of Publications by Year in descending order

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187
papers

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61984

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82547

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187
all docs

187
docs citations

187
times ranked

5989
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutron and x-ray diffraction studies of liquids and glasses. Reports on Progress in Physics, 2006, 69, 233-299.	20.1	399
2	First Solvation Shell of the Cu(II) Aqua Ion: Evidence for Fivefold Coordination. Science, 2001, 291, 856-859.	12.6	358
3	Thermal conductivity of thin films: Measurements and understanding. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1989, 7, 1259-1266.	2.1	270
4	Defects in a Disordered World: The Structure of Glassy GeSe ₂ . Physical Review Letters, 2000, 84, 2413-2416.	7.8	232
5	The D20 instrument at the ILL: a versatile high-intensity two-axis neutron diffractometer. Measurement Science and Technology, 2008, 19, 034001.	2.6	218
6	D4c: A very high precision diffractometer for disordered materials. Applied Physics A: Materials Science and Processing, 2002, 74, s160-s162.	2.3	201
7	Quantitative Assessment of the Effects of Orientational and Positional Disorder on Glassy Dynamics. Physical Review Letters, 1997, 78, 82-85.	7.8	162
8	Phonon radiative heat transfer and surface scattering. Physical Review B, 1988, 38, 7576-7594.	3.2	136
9	Femtosecond x-ray diffraction reveals a liquid-liquid phase transition in phase-change materials. Science, 2019, 364, 1062-1067.	12.6	120
10	High-Pressure Transformation of SiO_2 from a Tetrahedral to an Octahedral Network: A Joint Approach Using Neutron Diffraction and Molecular Dynamics. Physical Review Letters, 2014, 113, 135501.	7.8	112
11	Low-temperature specific heat and glassy dynamics of a polymorphic molecular solid. Physical Review B, 1998, 58, 745-755.	3.2	98
12	Joint diffraction and modeling approach to the structure of liquid alumina. Physical Review B, 2013, 87, .	3.2	95
13	Interplay between non-bridging oxygen, triclusters, and fivefold Al coordination in low silica content calcium aluminosilicate melts. Applied Physics Letters, 2012, 101, .	3.3	87
14	Thermal properties of boron and borides. Physical Review B, 1989, 40, 3254-3260.	3.2	86
15	Local order and magnetism in liquid Al-Pd-Mn alloys. Physical Review B, 1998, 58, 6273-6286.	3.2	84
16	Kinetics of the high- to low-density amorphous water transition. Journal of Physics Condensed Matter, 2003, 15, 321-332.	1.8	82
17	Calcium ions in aqueous solutions: Accurate force field description aided by <i>ab initio</i> molecular dynamics and neutron scattering. Journal of Chemical Physics, 2018, 148, 222813.	3.0	75
18	Hydration and Ion Pairing in Aqueous Mg ²⁺ and Zn ²⁺ Solutions: Force-Field Description Aided by Neutron Scattering Experiments and Ab Initio Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2018, 122, 3296-3306.	2.6	75

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19	Direct Experimental Evidence of the Relationship between Intermediate-Range Order in Topologically Disordered Matter and Discernible Features in the Static Structure Factor. <i>Physical Review Letters</i> , 1996, 77, 3823-3826.	7.8	70
20	Levitation apparatus for neutron diffraction investigations on high temperature liquids. <i>Review of Scientific Instruments</i> , 2006, 77, 053903.	1.3	70
21	Structural studies of multiwall carbon nanotubes by neutron diffraction. <i>Physical Review B</i> , 1999, 59, 1665-1668.	3.2	68
22	Lithium environment in PEO-LiClO ₄ polymer electrolyte. <i>Europhysics Letters</i> , 2001, 54, 347-353.	2.0	67
23	Structure of liquid and glassy ZnCl ₂ . <i>Physical Review B</i> , 2010, 82, .	2.2	62
24	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	59
25	Structure of GeO ₂ at pressures up to 8.6 GPa. <i>Physical Review B</i> , 2010, 81, .	2.2	59
26	Liquid-Liquid Phase Transition in Supercooled Ytria-Alumina. <i>Physical Review Letters</i> , 2009, 103, 225702.	7.8	58
27	Aerodynamic levitation and laser heating:. <i>European Physical Journal: Special Topics</i> , 2011, 196, 151-165.	2.6	58
28	Structure and properties of densified silica glass: characterizing the order within disorder. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	57
29	Hydrogen bonding in liquid methanol at ambient conditions and at high pressure. <i>Molecular Physics</i> , 2000, 98, 125-134.	1.7	56
30	Structure of the glassy fast-ion conductor AgPS ₃ by neutron diffraction. <i>Physical Review B</i> , 1998, 58, 6115-6123.	3.2	53
31	Structural Transformations on Vitrification in the Fragile Glass-Forming System CaAl ₂ O ₄ . <i>Physical Review Letters</i> , 2012, 109, 235501.	7.8	53
32	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.	10.3	53
33	Giant magnetoresistance dependence on the lateral correlation length of the interface roughness in magnetic superlattices. <i>Physical Review B</i> , 1999, 59, 1242-1248.	3.2	52
34	Refinement of the U ₄ O ₉ Crystalline Structure: New Insight into the U ₃ O ₈ Transformation. <i>Inorganic Chemistry</i> , 2011, 50, 6146-6151.	4.0	52
35	Oxygen as a Site Specific Probe of the Structure of Water and Oxide Materials. <i>Physical Review Letters</i> , 2011, 107, 145501.	7.8	51
36	Neutron diffraction of calcium aluminosilicate glasses and melts. <i>Journal of Non-Crystalline Solids</i> , 2016, 451, 89-93.	3.1	49

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37	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	48
38	Structural correlations in disordered matter: An experimental separation of orientational and positional contributions. <i>Physical Review B</i> , 1997, 56, 11536-11545.	3.2	47
39	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	47
40	Density-driven structural transformations in B_2O_3 glass. <i>Physical Review B</i> , 2014, 90, .	3.2	47
41	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.	4.5	46
42	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.	4.0	45
43	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, .	3.2	44
44	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.	3.0	43
45	The Structure of Interlayer Water in Li^+ Montmorillonite Studied by Neutron Diffraction with Isotopic Substitution. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10899-10905.	2.6	42
46	Magnetic structure of GdCu through the martensitic structural transformation: A neutron-diffraction study. <i>Physical Review B</i> , 1999, 59, 512-518.	3.2	42
47	Purely Dynamical Signature of the Orientational Glass Transition. <i>Physical Review Letters</i> , 1999, 83, 2757-2760.	7.8	41
48	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	41
49	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.	3.2	40
50	Structure and triclustering in Ba-Al-O glass. <i>Physical Review B</i> , 2012, 85, .	3.2	40
51	Structure of an Amorphous Boron Carbide Film: An Experimental and Computational Approach. <i>Chemistry of Materials</i> , 2013, 25, 2618-2629.	6.7	40
52	Specific Heat of $(GeTe)_x(Sb_2Te_3)_{1-x}$ Phase-Change Materials: The Impact of Disorder and Anharmonicity. <i>Chemistry of Materials</i> , 2014, 26, 2307-2312.	6.7	40
53	Collective, short-wavelength excitations in liquid gallium. <i>Physical Review E</i> , 1997, 56, 3358-3369.	2.1	39
54	Europium Palladium Hydrides. <i>Inorganic Chemistry</i> , 2001, 40, 2608-2613.	4.0	39

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55	A determination of the structure of liquid using neutron diffraction and isotopic substitution. Journal of Physics Condensed Matter, 1997, 9, 6159-6173.	1.8	37
56	Quantitative study of the interdependence OF interface structure and giant magnetoresistance in polycrystalline Fe/Cr superlattices. Physical Review B, 1998, 57, 13692-13697.	3.2	35
57	Mechanisms of network collapse in GeO ₂ glass: high-pressure neutron diffraction with isotope substitution as arbitrator of competing models. Journal of Physics Condensed Matter, 2012, 24, 502101.	1.8	35
58	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.	2.6	35
59	Structure of liquid lithium. Journal of Physics Condensed Matter, 2004, 16, 195-222.	1.8	31
60	Partial structure investigation of the traditional bulk metallic glass $Pd_{40}P_{20}$. Physical Review B, 2019, 100, .	3.2	31
61	Quantitative Evaluation of Anharmonic and Disorder Effects on Glassy Dynamics. Physical Review Letters, 1999, 82, 1193-1196.	7.8	30
62	Microstructure of pyrocarbons from pair distribution function analysis using neutron diffraction. Carbon, 2012, 50, 1563-1573.	10.3	30
63	Density-driven defect-mediated network collapse of $GeSe_2$ glass. Physical Review B, 2014, 90, .	3.2	30
64	Influence of spin-orbit scattering on the magnetoresistance due to enhanced electron-electron interactions. Physical Review B, 1992, 46, 10035-10040.	3.2	28
65	Thermal conductivity and specific heat of boron carbides. Journal of Alloys and Compounds, 1994, 203, 67-75.	5.5	28
66	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
67	Crystal electric fields in heavy-electron metals: The specific heats of U_2Zn_{17} and $CeCu_6$ to 70 K. Physical Review B, 1987, 36, 5330-5342.	3.2	27
68	Thermal conductivity and specific heat of glass ceramics. Physical Review B, 1991, 44, 12226-12232.	3.2	26
69	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.	1.6	26
70	Identification of the Relative Distribution of Rare-Earth Ions in Phosphate Glasses. Physical Review Letters, 2003, 90, 185501.	7.8	26
71	Rare Earth doped ceria: a combined X-ray and neutron pair distribution function study. Zeitschrift für Kristallographie, 2012, 227, 272-279.	1.1	26
72	Evolution of magnetic phases in $SmCrO_3$. A neutron diffraction and magnetometric study. Physical Review B, 2017, 96, .	1.2	26

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73	Structure of lanthanum and cerium phosphate glasses by the method of isomorphic substitution in neutron diffraction. <i>Physical Review B</i> , 2003, 68, .	3.2	25
74	Ab-initio molecular dynamics simulations of the structure of liquid aluminates. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1789-1792.	3.1	24
75	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, .	3.2	24
76	Structural studies of a water/dioxane mixture by neutron diffraction with hydrogen/deuterium substitution. <i>Chemical Physics Letters</i> , 1999, 303, 315-319.	2.6	23
77	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.	2.8	23
78	Ag+dynamics in the superionic and liquid phases of Ag_2Se and Ag_2Te by coherent quasi-elastic neutron scattering. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 2425-2436.	1.8	23
79	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	22
80	Structure of a metallic solution of lithium in ammonia. <i>Physical Review B</i> , 2000, 61, 11993-11997.	3.2	22
81	Pressure induced structural transformations in amorphous MgSiO_3 and CaSiO_3 . <i>Journal of Non-Crystalline Solids: X</i> , 2019, 3, 100024.	1.2	22
82	Structure of the liquid semiconductor GeSe. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 7051-7060.	1.8	21
83	Role of low-frequency vibrations on sound propagation in glasses at intermediate temperature. <i>Physical Review B</i> , 2000, 61, 8778-8783.	3.2	21
84	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.	3.1	21
85	Specific Interactions of Ammonium Functionalities in Amino Acids with Aqueous Fluoride and Iodide. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13853-13860.	2.6	19
86	Structural Changes in the Local Environment of Uranium Atoms in the Three Phases of U_4O_9 . <i>Inorganic Chemistry</i> , 2016, 55, 7485-7491.	4.0	19
87	Local Structure and Lithium Diffusion Pathways in $\text{Li}_4\text{Mn}_2\text{O}_5$ High Capacity Cathode Probed by Total Scattering and XANES. <i>Chemistry of Materials</i> , 2018, 30, 3060-3070.	6.7	19
88	Role of local short-scale correlations in the mechanism of negative magnetization. <i>Physical Review B</i> , 2019, 99, .	3.2	19
89	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo_2 -Based Intermetallic Compounds (R = Rare Earth). <i>Inorganic Chemistry</i> , 2019, 58, 5401-5405.	4.0	19
90	Small angle neutron scattering from D_2O in the critical region. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 3531-3542.	1.8	18

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91	The structure of fluid trifluoromethane and methylfluoride. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 8765-8776.	1.8	18
92	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	18
93	The atomic scale structure of graphene powder studied by neutron and X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2015, 48, 1429-1436.	4.5	18
94	Structure and dynamics of high-temperature strontium aluminosilicate melts. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27865-27877.	2.8	18
95	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.	10.3	18
96	Neutron-diffraction studies of amorphous CN _x materials. <i>Physical Review B</i> , 1997, 56, 14315-14321.	3.2	17
97	The magnetic structure of GdCu ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 214, 281-290.	2.3	17
98	Structure and dynamics of levitated liquid aluminates. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1705-1712.	3.1	17
99	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.	3.1	17
100	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.	3.0	16
101	Hydrophobic hydration of argon at high temperatures. <i>Journal of Chemical Physics</i> , 2001, 115, 339-343.	3.0	16
102	Structure of rare-earth phosphate glasses by neutron diffraction. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 208-212.	3.1	16
103	Percolating cermet thin film thermistors between 50 mK and 300 K and 0 and 20 T. <i>Journal of Applied Physics</i> , 1988, 64, 4760-4762.	2.5	15
104	The structure of liquid carbon dioxide and carbon disulfide. <i>Journal of Chemical Physics</i> , 2009, 130, 174503.	3.0	15
105	Neutron diffraction study of molten calcium aluminates. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2492-2496.	3.1	15
106	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
107	Operation of sealed microstrip gas chambers at the ILL. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 1075-1080.	2.0	14
108	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.	1.6	14

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109	Changes in the hydration structure of imidazole upon protonation: Neutron scattering and molecular simulations. <i>Journal of Chemical Physics</i> , 2017, 146, .	3.0	14
110	Hydration of Hydroxyl and Amino Groups Examined by Molecular Dynamics and Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6357-6365.	2.6	13
111	The D4c neutron diffractometer for liquids and glasses. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 93-94.	2.7	12
112	Structure of Ba-Ti-Al-O glasses produced by aerodynamic levitation and laser heating. <i>Physical Review B</i> , 2014, 90, .	3.2	12
113	Structure of liquid tricalcium aluminate. <i>Physical Review B</i> , 2017, 95, .	3.2	12
114	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, .	2.4	12
115	Specular and off-specular anomalous X-ray scattering as quantitative structural probes of multilayers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 97, 402-406.	1.4	11
116	Wide and low angle neutron scattering of water-pyridine mixtures. <i>Chemical Physics Letters</i> , 2004, 388, 468-472.	2.6	11
117	Characterization of Oxygen Defect Clusters in UO _{2+x} Using Neutron Scattering and PDF Analysis. <i>Inorganic Chemistry</i> , 2018, 57, 7064-7076.	4.0	11
118	The microscopic structure of liquid mercury from neutron and X-ray diffraction. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 452-453.	2.7	10
119	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.	1.5	10
120	Structure of semiconducting versus fast-ion conducting glasses in the Ag-Ge-Se system. <i>Royal Society Open Science</i> , 2018, 5, 171401.	2.4	10
121	Suppressed-moment 2-k order in the canonical frustrated antiferromagnet Gd ₂ Ti ₂ O ₇ . <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	10
122	Neutron diffraction experiments on ethane under high pressure. <i>Molecular Physics</i> , 1998, 94, 325-333.	1.7	9
123	Anomalous Elastic Properties of Si/Ge Superlattices: The Role of Interfaces. <i>Physica Status Solidi A</i> , 2001, 188, 1023-1040.	1.7	9
124	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
125	Structural study of levitated liquid Y ₂ O ₃ using neutron scattering. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 993-995.	3.1	9
126	The bound coherent neutron scattering lengths of the oxygen isotopes. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 505105.	1.8	9

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127	Optimizing the counting times for sample-in-container scattering experiments. Journal of Applied Crystallography, 2016, 49, 2249-2251.	4.5	9
128	From atomic structure to excess entropy: a neutron diffraction and density functional theory study of $\text{CaO} \cdot 2\text{Al}_2\text{O}_3 \cdot 3\text{SiO}_2$ melts. Journal of Physics Condensed Matter, 2016, 28, 135102.	1.8	9
129	Structure and dynamics of aqueous NaCl solutions at high temperatures and pressures. Journal of Chemical Physics, 2021, 155, 194506.	3.0	9
130	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	8
131	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.	2.3	8
132	Critical scattering by fluid cyclohexane in porous silica. Chemical Physics Letters, 1996, 253, 367-371.	2.6	8
133	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	8
134	Neutron diffraction on mercury: density dependence of the static structure factor. Journal of Non-Crystalline Solids, 1999, 250-252, 35-39.	3.1	8
135	Local order and metal-non-metal transition in $\text{Cd}_x\text{Te}_{1-x}$: a neutron diffraction study. Journal of Non-Crystalline Solids, 1999, 250-252, 297-300.	3.1	8
136	Glassy dynamics of a kinetically constrained model: a direct comparison with experiment. Journal of Physics Condensed Matter, 2002, 14, 1509-1521.	1.8	8
137	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.	2.8	8
138	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.	0.8	8
139	The $\text{Ba}_3\text{Mo}_{1-x}\text{W}_x\text{NbO}_{8.5}$ ion conductors: insights into local coordination from X-ray and neutron total scattering. Journal of Materials Chemistry A, 2020, 8, 21227-21240.	10.3	8
140	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
141	La diffraction des neutrons et des rayons X pour l'étude structurale des liquides et des verres. European Physical Journal Special Topics, 2003, 103, 359-390.	0.2	7
142	Structure and dynamics of levitated liquid materials. Pure and Applied Chemistry, 2007, 79, 1643-1652.	1.9	7
143	Structure of praseodymium and neodymium gallate glasses. Journal of Non-Crystalline Solids, 2011, 357, 2511-2515.	3.1	7
144	Magnetic structure of the metallic triangular antiferromagnet Ag_2NiO_2 . Journal of Physics Condensed Matter, 2013, 25, 286005.	1.8	7

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145	The atomic scale structure of saccharose-based carbons. Philosophical Magazine, 2017, 97, 1675-1697.	1.6	7
146	Molecular Dynamics and Neutron Scattering Studies of Potassium Chloride in Aqueous Solution. Journal of Physical Chemistry B, 2019, 123, 10807-10813.	2.6	7
147	In situ x-ray-scattering studies of polymorphic crystallization of metal-boron glasses. Physical Review B, 1993, 47, 11757-11766.	3.2	6
148	Quantum Mechanical Effects on the Static Structure Factor of Pairs of Orthodeuterium Molecules. Physical Review Letters, 1998, 81, 5828-5831.	7.8	6
149	Structure of molten GeSe by neutron diffraction: the Ge coordination environment. Journal of Non-Crystalline Solids, 1999, 250-252, 405-409.	3.1	6
150	EPMC versus RMC modelling: the structure of supercritical HCF3. Physica B: Condensed Matter, 2000, 276-278, 481-482.	2.7	6
151	Magnetic critical scattering in solid $\text{Co}_{80}\text{Pd}_{20}$. Journal of Physics Condensed Matter, 2007, 19, 415106.	1.8	6
152	The atomic scale structure of glass-like carbon obtained from fullerene extract via spark plasma sintering. Carbon, 2016, 110, 172-179.	10.3	6
153	Structure of Glassy $\text{Ag}_{40}\text{Ge}_{40}\text{Se}_{20}$ by Neutron Diffraction with Isotope Substitution. Zeitschrift Fur Physikalische Chemie, 2016, 230, 417-432.	2.8	6
154	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.	3.9	6
155	A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in $(\text{Gd},\text{Ho})(\text{Co},\text{Fe})_2$. Inorganic Chemistry Frontiers, 2019, 6, 3146-3151.	6.0	6
156	Different Water Networks Confined in Unidirectional Hydrophilic Nanopores and Transitions with Temperature. Journal of Physical Chemistry C, 2021, 125, 14378-14393.	3.1	6
157	Disorder effects on glassy dynamics: Separation of orientational and positional correlations. Physica B: Condensed Matter, 1997, 241-243, 883-889.	2.7	5
158	Giant magnetoresistance in Fe/Cr superlattices with and without bulk scattering. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 104-106.	2.3	5
159	Structure of molten yttrium aluminates: a neutron diffraction study. Journal of Physics Condensed Matter, 2007, 19, 415105.	1.8	5
160	Zeidler <i>et al.</i> Reply. Physical Review Letters, 2012, 108, .	7.8	5
161	The structure of Y- and La-bearing aluminosilicate glasses and melts: A combined molecular dynamics and diffraction study. Chemical Geology, 2017, 461, 23-33.	3.3	5
162	Neutron scattering study of nickel decorated thermally exfoliated graphite oxide. International Journal of Hydrogen Energy, 2019, 44, 30999-31007.	7.1	5

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163	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.	3.1	5
164	Stabilization of the fcc Co structure in Co/Mn multilayers with very thin Mn layers. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 156, 23-24.	2.3	4
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