

DAVE: A Comprehensive Software Suite for the Reduction of Low Energy Neutron Spectroscopic Data

Journal of Research of the National Institute of Standards and
Technology
114, 341

DOI: [10.6028/jres.114.025](https://doi.org/10.6028/jres.114.025)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Hydrogen storage and carbon dioxide capture in an iron-based sodalite-type metal-organic framework (Fe-BTT) discovered via high-throughput methods. <i>Chemical Science</i> , 2010, 1, 184.	3.7	294
2	Identifying the Specific Nanostructures Responsible for the High Thermoelectric Performance of (Bi,Sb) ₂ Te ₃ Nanocomposites. <i>Nano Letters</i> , 2010, 10, 3283-3289.	4.5	484
3	Reorientational Dynamics of NaBH ₄ and KBH ₄ . <i>Journal of Physical Chemistry C</i> , 2010, 114, 10027-10033.	1.5	47
4	On the behaviour of water hydrogen bonds at biomolecular sites: Dependences on temperature and on network dimensionality. <i>Journal of Molecular Structure</i> , 2010, 972, 81-86.	1.8	17
5	Neutron scattering study of a quasi-two-dimensional spin- $\frac{1}{2}$ dimer system: Piperazinium hexachlorodocuprate under hydrostatic pressure. <i>Physical Review B</i> , 2010, 82, .	1.1	16
6	Localized diffusive motion on two different time scales in solid alkane nanoparticles. <i>Europhysics Letters</i> , 2010, 91, 66007.	0.7	7
7	Phase Separation and Suppression of the Structural and Magnetic Transitions in Superconducting Doped Iron Tellurides, Fe _{1-x} Te _{1-y} S _y . <i>Journal of the American Chemical Society</i> , 2010, 132, 13000-13007.	6.6	62
8	Internal Dynamics in SDS Micelles: Neutron Scattering Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 17049-17056.	1.2	42
9	A Low-Temperature Crossover in Water Dynamics in an Aqueous LiCl Solution: Diffusion Probed by Neutron Spin-Echo and Nuclear Magnetic Resonance. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16737-16743.	1.2	30
10	Effect of pH and Ibuprofen on the Phospholipid Bilayer Bending Modulus. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8061-8066.	1.2	67
11	Hydrogen Rotational and Translational Diffusion in Calcium Borohydride from Quasielastic Neutron Scattering and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20249-20257.	1.5	23
12	Experimental evidence of logarithmic relaxation in single-particle dynamics of hydrated protein molecules. <i>Soft Matter</i> , 2010, 6, 2623.	1.2	23
13	Interlayer distance dependence of thickness fluctuations in a swollen lamellar phase. <i>Soft Matter</i> , 2011, 7, 6598.	1.2	28
14	Thermal motion in the multi-subunit protein, apoferritin, as probed by high energy resolution neutron spectroscopy. <i>Soft Matter</i> , 2011, 7, 6934.	1.2	7
15	Redox-Promoting Protein Motions in Rubredoxin. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8925-8936.	1.2	14
16	Quasi-Elastic Neutron Scattering Studies on Dynamics of Water Confined in Nanoporous Copper Rubeanate Hydrates. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13563-13569.	1.2	25
17	Light-Controlled Protein Dynamics Observed with Neutron Spin Echo Measurements. <i>Biochemistry</i> , 2011, 50, 8150-8162.	1.2	12
18	Molecular Mobility in Solid Sodium Dodecyl Sulfate. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9732-9738.	1.2	13

#	ARTICLE	IF	CITATIONS
19	Macromolecular dynamics in red blood cells investigated using neutron spectroscopy. <i>Journal of the Royal Society Interface</i> , 2011, 8, 590-600.	1.5	32
20	Reorientational Dynamics of the Dodecahydro-closo-dodecaborate Anion in $\text{Cs}_2\text{B}_{12}\text{H}_{12}$. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2933-2938.	1.1	19
21	Dynamics of Thermodynamically Stable, Kinetically Trapped, and Inhibitor-Bound States of Pepsin. <i>Biophysical Journal</i> , 2011, 101, 1699-1709.	0.2	16
22	Direct Observation of Local Mn-Mn Distances in the Paramagnetic Compound CsMn_2Mg_6 . <i>Physical Review Letters</i> , 2011, 107, 115502.	2.9	6
23	Neutron Scattering and Spectroscopic Studies of Hydrogen Adsorption in $\text{Cr}_3(\text{BTC})_2$ A Metal-Organic Framework with Exposed Cr^{2+} Sites. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8414-8421.	1.5	50
24	Hydrogen storage properties and neutron scattering studies of $\text{Mg}_2(\text{dobdc})$ a metal-organic framework with open Mg^{2+} adsorption sites. <i>Chemical Communications</i> , 2011, 47, 1157-1159.	2.2	178
25	The Dynamics of Unfolded versus Folded tRNA: The Role of Electrostatic Interactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 16406-16409.	6.6	25
26	Symmetry-breaking dynamical pattern and localization observed in the equilibrium vibrational spectrum of NaI. <i>Scientific Reports</i> , 2011, 1, 4.	1.6	43
27	Segmental Dynamics and Ion Association in PEO-Based Single Ion Conductors. <i>Macromolecules</i> , 2011, 44, 5381-5391.	2.2	57
28	Vibrational Density of States of Hydration Water at Biomolecular Sites: Hydrophobicity Promotes Low Density Amorphous Ice Behavior. <i>Journal of the American Chemical Society</i> , 2011, 133, 4882-4888.	6.6	53
29	Lattice dynamics and anomalous softening in the $\text{YbFe}_4\text{Sb}_{12}$. <i>Physical Review B</i> , 2011, 84, .	1.1	10
30	Crystal Field Level Diagrams at the Pr Sites (8c) and (4a) in the Clathrate Compound $\text{Pr}_3\text{Pd}_20\text{Si}_6$. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 044715.	0.7	3
31	Phloroglucinol-bridged trinuclear complexes with three paramagnetic octahedral nickel(II) ions: Syntheses, crystal structures, and magnetic properties. <i>Inorganica Chimica Acta</i> , 2011, 374, 341-349.	1.2	21
32	Iron(III) Pivalate-Based Complexes with Tetranuclear $\{\text{Fe}_4(\mu_3\text{O})_2\}^{8+}$ Cores and N -Donor Ligands: Formation of Cluster and Polymeric Architectures. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 356-367.	1.0	19
33	Micro-channel development and hydrogen adsorption properties in templated microporous carbons containing platinum nanoparticles. <i>Carbon</i> , 2011, 49, 1305-1317.	5.4	30
34	Dynamics of small-molecule glass formers confined in nanopores. <i>Journal of Chemical Physics</i> , 2011, 134, 114506.	1.2	12
35	Hierarchical structure and dynamics of an ionic liquid 1-octyl-3-methylimidazolium chloride. <i>Journal of Chemical Physics</i> , 2011, 135, 054508.	1.2	86
36	Temperature and scattering contrast dependencies of thickness fluctuations in surfactant membranes. <i>Journal of Chemical Physics</i> , 2011, 135, 074704.	1.2	12

#	ARTICLE	IF	CITATIONS
37	Rotational tunneling in CH4 II: Disorder effects. <i>Journal of Chemical Physics</i> , 2011, 135, 224509.	1.2	3
38	Magnetic excitations in the geometric frustrated multiferroic CuCrO $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mn} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 2 \langle \text{mml:mn} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$. <i>Physical Review B</i> , 2011, 84, .	1.1	50
39	Lattice dynamics in the thermoelectric Zintl compound Yb $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mn} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 14 \langle \text{mml:mn} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \text{MnSb} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mn} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 11 \langle \text{mml:mn} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$. <i>Physical Review B</i> , 2011, 84, .	1.1	30
40	Interrelationship between Li+diffusion, charge, and magnetism in Li7Mn2O4 and Li71.1Mn1.9O4 spinels: Elastic, inelastic, and quasielastic neutron scattering. <i>Physical Review B</i> , 2011, 83, .	1.1	18
41	Diffusion of water in molecular magnet Cu $\langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 0.75 \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \text{Mn} \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 0.75 \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle [\text{Fe}(\text{CN}) \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 6 \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle] \hat{\alpha} \dots 7\text{H} \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 2 \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \text{O}$. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 446002.	0.7	6
42	Low-temperature tunneling and rotational dynamics of the ammonium cations in (NH4)2B12H12. <i>Journal of Chemical Physics</i> , 2011, 135, 094501.	1.2	16
43	Coherent dynamics of <i>meta</i> -toluidine investigated by quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2012, 136, 104502.	1.2	21
44	Hydrogen diffusion in potassium intercalated graphite studied by quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2012, 137, 224704.	1.2	5
45	Magnetic order and fluctuations in the presence of quenched disorder in the kagome staircase system (Co $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 437 Td} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$)	1.1	5
46	High-temperature high pressure cell for neutron-scattering studies. <i>High Pressure Research</i> , 2012, 32, 471-481.	0.4	6
47	Double-Focusing Thermal Triple-Axis Spectrometer at the NCNR. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2012, 117, 60.	0.4	107
48	Lipid Bilayers and Membrane Dynamics: Insight into Thickness Fluctuations. <i>Physical Review Letters</i> , 2012, 109, 058102.	2.9	103
49	Two Cobalt(II) Cubane Compounds: The Key Role of Small Ligand Changes on the Crystal Packing and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5642-5648.	1.0	25
50	The dynamical landscape in CTAB micelles. <i>Soft Matter</i> , 2012, 8, 7151.	1.2	29
51	Hindered Rotational Energy Barriers of BH $\langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 4 \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:sup} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \hat{\alpha} \langle \text{mml:sup} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$ Tetrahedra in $\hat{\text{I}}^2\text{-Mg}(\text{BH} \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 4 \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle) \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle 2 \langle \text{mml:sub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$ from Quasielastic Neutron Scattering and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2013-2023.	1.5	43
52	Cation Dynamics in the Pyridinium Based Ionic Liquid 1- <i>N</i> -Butylpyridinium Bis((trifluoromethyl)sulfonyl) As Seen by Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13265-13271.	1.2	21
53	Effect of Confinement on Proton Transport Mechanisms in Block Copolymer/Ionic Liquid Membranes. <i>Macromolecules</i> , 2012, 45, 3112-3120.	2.2	74
54	Dynamical Features in Cationic Micelles of Varied Chain Length. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9007-9015.	1.2	19

#	ARTICLE	IF	CITATIONS
55	Dynamics of Water Absorbed in Polyamides. <i>Macromolecules</i> , 2012, 45, 1676-1687.	2.2	61
56	Dynamics of 1,3-Diphenylpropane Tethered to the Interior Pore Surfaces of MCM-41. <i>Journal of Physical Chemistry C</i> , 2012, 116, 923-932.	1.5	3
57	Stabilization of Hypophosphite in the Binding Pocket of a Dinuclear Macrocyclic Complex: Synthesis, Structure, and Properties of $[\text{Ni}_2\text{L}(\text{1/4-O}_2\text{PH}_2)]\text{BPh}_4$ (L = Tj ETQ 0 0 0 r g B T /Overlo		
58	One dimensional inorganic oxovanadium polymers functionalized with manganese(II) complexes: Structural and magnetic characterization. <i>Polyhedron</i> , 2012, 41, 120-126.	1.0	5
59	Lattice dynamics reveals a local symmetry breaking in the emergent dipole phase of PbTe. <i>Physical Review B</i> , 2012, 86, .	1.1	55
60	The Nature of BH_4^+ Reorientations in Hexagonal LiBH_4 . <i>Journal of Physical Chemistry C</i> , 2012, 116, 1614-1618.	1.5	40
61	Hydrogen adsorption in the metal-organic frameworks $\text{Fe}_2(\text{dobdc})$ and $\text{Fe}_2(\text{O}_2)(\text{dobdc})$. <i>Dalton Transactions</i> , 2012, 41, 4180.	1.6	78
62	Microscopic insights into ion gel dynamics using neutron spectroscopy. <i>Soft Matter</i> , 2012, 8, 7888.	1.2	24
63	Slow magnetic relaxation in mononuclear tetrahedral cobalt(II) complexes with 2-(1H-imidazol-2-yl)phenol based ligands. <i>Comptes Rendus Chimie</i> , 2012, 15, 929-936.	0.2	71
64	Spectroscopic Identification of Hydrogen Spillover Species in Ruthenium-Modified High Surface Area Carbons by Diffuse Reflectance Infrared Fourier Transform Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26744-26755.	1.5	32
65	Proton Hopping and Long-Range Transport in the Protic Ionic Liquid $[\text{Im}][\text{TFSI}]$, Probed by Pulsed-Field Gradient NMR and Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8201-8209.	1.2	58
66	Accurate determination of ferric iron in garnets by bulk Mossbauer spectroscopy and synchrotron micro-XANES. <i>American Mineralogist</i> , 2012, 97, 1726-1740.	0.9	31
67	Metal-assisted hydrogen storage on Pt-decorated single-walled carbon nanohorns. <i>Carbon</i> , 2012, 50, 4953-4964.	5.4	69
68	Synthesis, Structure, and Reactivity of Dinuclear Nickel Amino-Thiophenolate Complexes Bearing Bridging $\text{VO}_2(\text{OH})_2$ and $\text{VO}_2(\text{OR})_2$ Coligands. <i>Inorganic Chemistry</i> , 2012, 51, 5213-5223.	1.9	8
69	Dynamic Patterning in PEO-Based Single Ion Conductors for Li Ion Batteries. <i>Macromolecules</i> , 2012, 45, 4354-4362.	2.2	45
70	Characterization of Morphology and Active Agent Mobility within Hybrid Silica Sol-Gel Composites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13972-13979.	1.5	4
71	Anharmonic phonons and magnons in BiFeO_3 . <i>Physical Review B</i> , 2012, 85, .	1.1	31
72	A Pyrazole-Expanded EDTA Ligand and its Pentanuclear Iron(III) Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 621-627.	0.6	3

#	ARTICLE	IF	CITATIONS
73	Copper Complexes of "Superpodal" Amine Ligands and Reactivity Studies towards Dioxygen. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3000-3013.	1.0	10
74	Preparation and Characterisation of Dinuclear Nickel(II) Complexes Containing N ₃ Ni($\frac{1}{4}$ 1,3-SO ₃ R) ₂ ($\frac{1}{4}$ -O ₂ CR)NiN ₃ Cores: Crystal Structures and Magnetic Properties of [Ni ₂ (L ₂)(O ₂ CCH ₃)]BPh ₄ and [Ni ₂ (L ₂)(O ₂ CPh)]BPh ₄ [H ₂ L ₂ = Macrocyclic Ligand with a N ₆ (SO ₃) ₂ Donor. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2381-2388.	1.0	9
75	Spin dynamics in the multiferroic materials (invited). <i>Journal of Applied Physics</i> , 2012, 111, 07E137.	1.1	4
76	Regular High-Nuclearity Species from Square Building Blocks: A Triangular 3 Å– [2 Å– 2] Ni ₁₂ Complex Generated by the Self-assembly of Three [2 Å– 2] Ni ₄ Molecular Grids. <i>Inorganic Chemistry</i> , 2012, 51, 7445-7447.	1.9	56
77	Restricted dynamics of molecular hydrogen confined in activated carbon nanopores. <i>Carbon</i> , 2012, 50, 1071-1082.	5.4	29
78	Effect of charged lidocaine on static and dynamic properties of model bio-membranes. <i>Biophysical Chemistry</i> , 2012, 160, 20-27.	1.5	25
79	Low-temperature water dynamics in an aqueous methanol solution. <i>Journal of Chemical Physics</i> , 2013, 139, 014505.	1.2	5
80	Proton Conductivity under Dry Conditions for Mesoporous Silica with Highly Dense Sulfonic Acid Groups. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8727-8736.	1.5	15
81	Atomic-Scale Picture of the Ion Conduction Mechanism in a Tetrahedral Network of Lanthanum Barium Gallate. <i>Chemistry of Materials</i> , 2013, 25, 2741-2748.	3.2	17
82	Heterogeneous Slow Dynamics of Imidazolium-Based Ionic Liquids Studied by Neutron Spin Echo. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2773-2781.	1.2	122
83	Secondary structure and rigidity in model proteins. <i>Soft Matter</i> , 2013, 9, 9548.	1.2	65
84	Probing the unusual anion mobility of LiBH ₄ confined in highly ordered nanoporous carbon frameworks via solid state NMR and quasielastic neutron scattering. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9935.	5.2	42
85	Synthesis, Crystal Structure, Spectroscopic and Magnetically Study of Two Copper(II) Complexes with Pyrazole Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1472-1476.	0.6	7
86	Magnetic relaxations in a Tb-based single molecule magnet studied by quasielastic neutron scattering. <i>Chemical Physics</i> , 2013, 427, 147-152.	0.9	6
87	Separation of Hexane Isomers in a Metal-Organic Framework with Triangular Channels. <i>Science</i> , 2013, 340, 960-964.	6.0	589
88	Coherent Neutron Scattering and Collective Dynamics in the Protein, GFP. <i>Biophysical Journal</i> , 2013, 105, 2182-2187.	0.2	24
89	Pentanuclear Heterometallic {Ni ₂ Ln ₃ } (Ln = Gd, Dy, Tb, Ho) Assemblies. Single-Molecule Magnet Behavior and Multistep Relaxation in the Dysprosium Derivative. <i>Inorganic Chemistry</i> , 2013, 52, 13078-13086.	1.9	55
90	Hydrogen Sorption in Li ₁₂ C ₆₀ . <i>Journal of Physical Chemistry C</i> , 2013, 117, 22598-22602.	1.5	49

#	ARTICLE	IF	CITATIONS
91	Li-ion Conduction in the $\text{LiBH}_4\text{:LiI}$ System from Density Functional Theory Calculations and Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2013, 117, 9084-9091.	1.5	43
92	Dynamics in Protein Powders on the Nanosecond–Picosecond Time Scale Are Dominated by Localized Motions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11548-11555.	1.2	23
93	Heptanuclear cobalt(II) dicubane compounds with single-molecule magnet behavior. <i>Inorganic Chemistry Communication</i> , 2013, 37, 101-105.	1.8	15
94	Localized translational motions in semicrystalline poly(ethylene terephthalate) studied by incoherent quasielastic neutron scattering. <i>European Physical Journal E</i> , 2013, 36, 24.	0.7	5
95	Dynamical Perturbations of Tetrahydroborate Anions in LiBH_4 due to Nanoconfinement in Controlled-Pore Carbon Scaffolds. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17983-17995.	1.5	47
96	Binuclear nickel complexes with an edge sharing bis(square-pyramidal) $\text{Ni}_3\text{Ni}(\text{I}^{\frac{1}{4}}\text{-S}_2)\text{Ni}_3$ core: synthesis, characterization, crystal structure and magnetic properties. <i>Dalton Transactions</i> , 2013, 42, 987-996.	1.6	18
97	Proline induced disruption of the structure and dynamics of water. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20555.	1.3	10
98	Vibrational Spectroscopic Study of Subtle Phase Transitions in Alkali Borohydrides: Comparison with First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2013, 117, 876-883.	1.5	8
99	Two new coordination polymers involving Mn(II), Co(II), dicyanamide anion and the nitrogen ligand 5,5'-dimethyl-2,2'-dipyridine: Crystal structures and magnetic properties. <i>Polyhedron</i> , 2013, 50, 16-21.	1.0	21
100	Hydrogen dynamics in the low temperature phase of LiBH_4 probed by quasielastic neutron scattering. <i>Chemical Physics</i> , 2013, 427, 18-21.	0.9	10
101	Instrumental resolution effects in neutron scattering studies of protein dynamics. <i>Chemical Physics</i> , 2013, 424, 7-11.	0.9	8
102	Correlation between Supercoiling and Conformational Motions of the Bacterial Flagellar Filament. <i>Biophysical Journal</i> , 2013, 105, 2157-2165.	0.2	9
103	Proton diffusivity in spark plasma sintered $\text{BaCe}_{0.8}\text{Y}_{0.2}\text{O}_{3-\delta}$: In-situ combination of quasi-elastic neutron scattering and impedance spectroscopy. <i>Solid State Ionics</i> , 2013, 252, 2-6.	1.3	20
104	Toward a new polyethylene scattering law determined using inelastic neutron scattering. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 711, 166-179.	0.7	13
105	A New Family of Trinuclear Nickel(II) Complexes as Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2013, 19, 3943-3953.	1.7	49
106	2-tert-Butyl-5-(2-pyridyl)-2H-tetrazole as a chelating ligand in the direct synthesis of novel Cu and heterobimetallic Cu/Mn complexes. <i>Dalton Transactions</i> , 2013, 42, 2985-2997.	1.6	27
107	Organization and Flexibility of Cyanobacterial Thylakoid Membranes Examined by Neutron Scattering. <i>Journal of Biological Chemistry</i> , 2013, 288, 3632-3640.	1.6	89
108	Two co-crystalline $\text{M}(\text{hfac})_2(\text{I}^{\text{Ph}}\text{N})_2\text{M}(\text{hfac})_2$ ($\text{M} = \text{Mn}, \text{Co}$) compounds with a bis(iminoylnitroxide) biradical: structure and magnetism. <i>New Journal of Chemistry</i> , 2013, 37, 1927.	1.4	7

#	ARTICLE	IF	CITATIONS
109	Mn(dca) ₂ (o-phen) {dca=dicyanamide; o-phen=1,10-phenanthroline}: Long-range magnetic order in a low-dimensional Mn-dca polymer. Polyhedron, 2013, 52, 679-688.	1.0	8
110	Dynamics in Anionic Micelles: Effect of Phenyl Ring. Journal of Physical Chemistry B, 2013, 117, 6250-6255.	1.2	27
111	Investigation of an unusual low-temperature phase transformation in RbBH ₄ by neutron diffraction. Journal of Solid State Chemistry, 2013, 203, 51-54.	1.4	7
112	Evolution of the Reorientational Motions of the Tetrahydroborate Anions in Hexagonal LiBH ₄ •LiI Solid Solution by High-Q Quasielastic Neutron Scattering. Journal of Physical Chemistry C, 2013, 117, 12010-12018.	1.5	37
113	New Synthetic Route toward Heterometallic 3d ⁴ and 3d ^{4f} Single-Molecule Magnets. The First Coll ⁴ Mn ^{III} Heterometallic Complex. Inorganic Chemistry, 2013, 52, 8309-8311.	1.9	33
114	Hydrogen Dynamics in Nanoconfined Lithiumborohydride. Journal of Physical Chemistry C, 2013, 117, 3789-3798.	2.9	35
115	Tetranuclear complexes composed of dinickel(II) macrocyclic fragments bridged by 5,5 ² -(1,3-phenylene)bis-1H-tetrazolato and N,N-bis(tetrazol-5-ato)amine coligands: Synthesis, structures and magnetic properties. Polyhedron, 2013, 49, 183-189.	1.0	9
116	Optical IFU observations of gas pillars surrounding the super star cluster NGC 3603. Monthly Notices of the Royal Astronomical Society, 2013, 435, 30-44.	1.6	17
118	Phases of superfluid helium in smooth cylindrical pores. Physical Review B, 2013, 88, .	1.1	16
119	Membrane formation by preferential solvation of ions in mixture of water, 3-methylpyridine, and sodium tetraphenylborate. Journal of Chemical Physics, 2013, 139, 234905.	1.2	29
120			

#	ARTICLE	IF	CITATIONS
127	Incoherent Neutron Spin-Echo Spectroscopy as an Option to Study Long-Range Lipid Diffusion. , 2013, 2013, 1-9.		14
128	Observation of distinct atomic relaxation process in a phase-separated metallic glass-forming melt. Europhysics Letters, 2014, 108, 46001.	0.7	3
129	Collective Ion Diffusion and Localized Single Particle Dynamics in Pyridinium-Based Ionic Liquids. Journal of Physical Chemistry B, 2014, 118, 14452-14460.	1.2	43
130	Dynamics of water in prussian blue analogues: Neutron scattering study. Journal of Applied Physics, 2014, 116, .	1.1	13
131	Encapsulation of the 4-Mercaptobenzoate Ligand by Macrocyclic Metal Complexes: Conversion of a Metallocavitand to a Metalloligand. Inorganic Chemistry, 2014, 53, 10825-10834.	1.9	11
132	Neutron spectroscopic study of crystal field excitations in Tb_2O_7 and Tb_2O_3 . Physical Review B, 2014, 89, .	1.1	37
133	Quasi-Elastic Neutron Scattering Reveals Fast Proton Diffusion in Ca-Doped LaPO_4 . Journal of Physical Chemistry C, 2014, 118, 20112-20121.	1.5	10
134	High-pressure dynamics of hydrated protein in bioprotective trehalose environment. Physical Review E, 2014, 90, 042725.	0.8	3
135	Ghost modes and continuum scattering in the dimerized distorted kagome lattice antiferromagnet $\text{Rb}_2\text{Cu}_3\text{Sb}_7\text{F}_{24}$ in the pyrochlore magnet $\text{Rb}_2\text{Cu}_3\text{Sb}_7\text{F}_{24}$. Physical Review B, 2014, 89, .	1.1	12
136	Magnetic ordering induced by interladder coupling in the spin-1/2 Mott insulator Tb_2O_7 . Physical Review B, 2014, 89, .	1.1	28
137	Fragile antiferromagnetism in the heavy-fermion compound YbBiPt . Physical Review B, 2014, 89, .	1.1	19
138	The effect of water content on chain dynamics in nafion membranes measured by neutron spin echo and dielectric spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 624-632.	2.4	25
139	Phonon localization drives polar nanoregions in a relaxor ferroelectric. Nature Communications, 2014, 5, 3683.	5.8	98
140	Magnetic Interactions through Fluoride: Magnetic and Spectroscopic Characterization of Discrete, Linearly Bridged $[\text{Mn}^{\text{III}}_2(\text{H}_2\text{O})_4(\text{F})_4(\text{Me}_3\text{tacn})_2](\text{PF}_6)_6$. Inorganic Chemistry, 2014, 53, 5014-5019.	1.9	17
141	Two-leg ladder antiferromagnet $\text{Ca}_9\text{Mg}_2\text{O}_{20}$. Physical Review B, 2014, 89, .	1.1	17
142	Inelastic neutron scattering studies of YFeO_3 . Physical Review B, 2014, 89, .	1.1	46
143	Injectable hydrogels with in situ-forming hydrophobic domains: oligo(d -, l -lactide) modified poly(oligoethylene glycol methacrylate) hydrogels. Polymer Chemistry, 2014, 5, 6811-6823.	1.9	32
144	Proton dynamics of two-dimensional oxalate-bridged coordination polymers. Physical Chemistry Chemical Physics, 2014, 16, 17295-17304.	1.3	36

#	ARTICLE	IF	CITATIONS
145	Direct measurement of the spin gap in a quasi-one-dimensional clinopyroxene: NaTiSi ₂ O ₆ . Physical Review B, 2014, 90, .	1.1	4
146	Picosecond Dynamic Heterogeneity, Hopping, and Johari-Goldstein Relaxation in Glass-Forming Liquids. Physical Review Letters, 2014, 113, 117801.	2.9	48
147	Magnetic Excitations in Metalloporphyrins by Inelastic Neutron Scattering: Determination of Zero-Field Splittings in Iron, Manganese, and Chromium Complexes. Inorganic Chemistry, 2014, 53, 1955-1961.	1.9	25
148	Correlation of the dynamics of native human acetylcholinesterase and its inhibited huperzine A counterpart from sub-picoseconds to nanoseconds. Journal of the Royal Society Interface, 2014, 11, 20140372.	1.5	18
149	Multihydroxyl End Functional Polyethylenes: Synthesis, Bulk and Interfacial Properties of Polymer Surfactants. Macromolecules, 2014, 47, 2062-2071.	2.2	10
150	Diffusive and rotational dynamics of condensed n-H ₂ confined in MCM-41. Physical Chemistry Chemical Physics, 2014, 16, 17960-17974.	1.3	9
151	Anion Reorientations in the Superionic Conducting Phase of Na ₂ B ₁₂ H ₁₂ . Journal of Physical Chemistry C, 2014, 118, 17483-17489.	1.5	82
152	Comprehensive study of carbon dioxide adsorption in the metal-organic frameworks M ₂ (dobdc) (M = Mg, Mn, Fe, Co, Ni, Cu, Zn). Chemical Science, 2014, 5, 4569-4581.	3.7	342
153	Solvent Effects on the Dynamics of Amyloidogenic Insulin Revealed by Neutron Spin Echo Spectroscopy. Journal of Physical Chemistry B, 2014, 118, 3310-3316.	1.2	14
154	Interrelationship between Number of Mobile Protons, Diffusion Coefficient, and AC Conductivity in Superprotonic Conductors, CsHSO ₄ and Rb ₃ H(SeO ₄) ₂ . Journal of the Physical Society of Japan, 2014, 83, 074604.	0.7	3
155	A chiral two-dimensional coordination polymer based on Cu II and (S)-Tj-ETQqO O rgBT /Overlock 10 Tf 50 347 Td (-)-4,4'-bis(4-carboxyphenyl)-2,2'-bipyridine: Synthesis, structure, and magnetic and optical properties. Inorganica Chimica Acta, 2014, 421, 392-398.	1.2	28
156	The influence of a hierarchical porous carbon network on the coherent dynamics of a nanoconfined room temperature ionic liquid: A neutron spin echo and atomistic simulation investigation. Carbon, 2014, 78, 415-427.	5.4	24
157	Mantid: Data analysis and visualization package for neutron scattering and SR experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 156-166.	0.7	1,257
158	Exchange Interactions at the Origin of Slow Relaxation of the Magnetization in {TbCu ₃ } and {DyCu ₃ } Single-Molecule Magnets. Inorganic Chemistry, 2014, 53, 8970-8978.	1.9	54
159	Incoherent Quasielastic Neutron Scattering Study of the Relaxation Dynamics in Molybdenum-Oxide Keplerate-Type Nanocages. Journal of Physical Chemistry C, 2014, 118, 13300-13312.	1.5	6
160	Kinetic Trapping of D ₂ in MIL-53(Al) Observed Using Neutron Scattering. Journal of Physical Chemistry C, 2014, 118, 18197-18206.	1.5	19
161	Synthesis, crystal structures and magnetic behaviour of four coordination compounds constructed with a phosphinic amide-TEMPO radical and [M(hfac) ₂] (M = Cu ^{II}), Tj-ETQqO O rgBT /Overlock 10 Tf 50 97 Td	1.1	7
162	Temperature-Dependent Dynamics of Dry and Hydrated Î ² -Casein Studied by Quasielastic Neutron Scattering. Journal of Physical Chemistry B, 2014, 118, 10821-10829.	1.2	14

#	ARTICLE	IF	CITATIONS
163	Power spectrum, growth velocities and cross-correlations of longitudinal and transverse oscillations of individual <i>Nicotiana tabacum</i> pollen tube. <i>Planta</i> , 2014, 240, 263-276.	1.6	14
164	Dynamics of lysozyme and its hydration water under an electric field. <i>Journal of Biological Physics</i> , 2014, 40, 167-178.	0.7	9
165	Structure and Dynamics of Octamethyl-POSS Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5579-5592.	1.5	27
166	Rigidity, Secondary Structure, and the Universality of the Boson Peak in Proteins. <i>Biophysical Journal</i> , 2014, 106, 2667-2674.	0.2	66
167	Liquidlike correlations in single-crystalline YMo_2O_7 . <i>Physical Review B</i> , 2014, 89, 074111.	1.1	62
168	Multiple high-temperature transitions driven by dynamical structures in Na_2O . <i>Physical Review B</i> , 2014, 89, 074111.	1.1	12
169	Boson Peak in Deeply Cooled Confined Water: A Possible Way to Explore the Existence of the Liquid-to-Liquid Transition in Water. <i>Physical Review Letters</i> , 2014, 112, 237802.	2.9	24
170	From Spin Glass to Quantum Spin Liquid Ground States in Molybdate Pyrochlores. <i>Physical Review Letters</i> , 2014, 113, 117201.	2.9	49
171	$\text{M}_2(\text{dobdc})$ ($\text{M} = \text{Mg}, \text{Mn}, \text{Fe}, \text{Co}, \text{Ni}$) Metal-Organic Frameworks Exhibiting Increased Charge Density and Enhanced H_2 Binding at the Open Metal Sites. <i>Journal of the American Chemical Society</i> , 2014, 136, 12119-12129.	6.6	207
172	Experimental and Solid-State Computational Study of Structural and Dynamic Properties in the Equilibrium Form of Temazepam. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6670-6679.	1.2	5
173	Synthesis and characterization of 5-amino-1,3-di-tert-butyl-2H-tetrazol-1-ium bis[di- μ -4-chlorido-bis[dichloridocuprate(II)]]]. <i>Inorganica Chimica Acta</i> , 2014, 419, 124-129.	1.2	7
174	New Families of Hetero-tri-spin $2\text{p}^3\text{d}^4\text{f}$ Complexes: Synthesis, Crystal Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2014, 53, 7508-7517.	1.9	79
175	Resolving diffusion in clay minerals at different time scales: Combination of experimental and modeling approaches. <i>Applied Clay Science</i> , 2014, 96, 36-44.	2.6	21
176	Quasielastic Neutron Scattering Study on Polymer Nanocomposites. <i>Journal of Physics: Conference Series</i> , 2014, 502, 012057.	0.3	5
177	Study of solvent relaxation of pristine succinonitrile and succinonitrile-salt mixtures using quasielastic neutron scattering. <i>Solid State Ionics</i> , 2015, 279, 72-77.	1.3	4
178	Frustrated fcc antiferromagnet $\text{Ba}_2\text{Yb}_7\text{O}_{19}$. Structural characterization, magnetic properties, and neutron scattering studies. <i>Physical Review B</i> , 2015, 91, 080401.	1.1	73
179	Coincidence of collective relaxation anomaly and specific heat peak in a bulk metallic glass-forming liquid. <i>Physical Review B</i> , 2015, 92, .	1.1	5
180	Neutron spectroscopic study of crystalline electric field excitations in stoichiometric and lightly stuffed Yb_7O_{19} . <i>Physical Review B</i> , 2015, 92, .	1.1	5

#	ARTICLE	IF	CITATIONS
181	Gapped and gapless short-range-ordered magnetic states with $\langle \mathbf{m} \rangle$ vectors in the pyrochlore magnet $\langle \mathbf{m} \rangle$. Physical Review B, 2015, 92, .	1.1	25
182	Pressure Effect on the Boson Peak in Deeply Cooled Confined Water: Evidence of a Liquid-Liquid Transition. Physical Review Letters, 2015, 115, 235701.	2.9	13
183	Quasielastic neutron scattering studies on glass-forming ionic liquids with imidazolium cations. Journal of Chemical Physics, 2015, 143, 234502.	1.2	50
184	Encapsulation of paclitaxel into a bio-nanocomposite. A study combining inelastic neutron scattering to thermal analysis and infrared spectroscopy. EPJ Web of Conferences, 2015, 83, 02011.	0.1	6
185	Observation of drastic change of generalized phonon density-of-states in nanostructured half-Heusler using inelastic neutron scattering. Applied Physics Letters, 2015, 107, 213901.	1.5	3
186	A general and Eu specific perspective on lattice dynamics in pyrochlore and defect fluorite (EuNd)ZrO. Physica Status Solidi (B): Basic Research, 2015, 252, 1940-1645.	0.7	1
187	Zero-Field Splitting in $\{Mn^{III}\}_{3/4}(\frac{1}{4}O)\}$ Core Single-Molecule Magnets Investigated by Inelastic Neutron Scattering and High-Field Electron Paramagnetic Resonance Spectroscopy. European Journal of Inorganic Chemistry, 2015, 2015, 2683-2689.	1.0	9
188	Protein and solvent dynamics of the water-soluble chlorophyll-binding protein (WSCP). EPJ Web of Conferences, 2015, 83, 02016.	0.1	5
189	Reconciliation of local and long-range tilt correlations in underdoped $La_{2-x}B_xCuO_4$ ($0 \leq x \leq 0.15$). Physical Review B, 2015, 91, .	1.1	28
190	Relationship between Structural Relaxation, Shear Viscosity, and Ionic Conduction of $LiPF_6/Propylene\ Carbonate$ Solutions. Journal of Physical Chemistry B, 2015, 119, 15675-15682.	1.2	16
191	On the relaxation dynamics in active pharmaceutical ingredients: solid-state 1H NMR, quasi-elastic neutron scattering and periodic DFT study of acebutolol hydrochloride. RSC Advances, 2015, 5, 57502-57514.	1.7	4
192	Immersive visualization for materials science data analysis using the Oculus Rift. , 2015, , .		21
193	Enhanced spin-phonon-electronic coupling in a 5d oxide. Nature Communications, 2015, 6, 8916.	5.8	45
194	Quasielastic neutron scattering study of tetrahydroborate anion dynamical perturbations in sodium borohydride due to partial halide anion substitution. Journal of Alloys and Compounds, 2015, 645, S513-S517.	2.8	7
195	Understanding the Decreased Segmental Dynamics of Supported Thin Polymer Films Reported by Incoherent Neutron Scattering. Macromolecules, 2015, 48, 801-808.	2.2	53
196	Strong competition between orbital ordering and itinerancy in a frustrated spinel vanadate. Physical Review B, 2015, 91, .	1.1	22
197	Effect of antimicrobial peptide on the dynamics of phosphocholine membrane: role of cholesterol and physical state of bilayer. Soft Matter, 2015, 11, 6755-6767.	1.2	62
198	Proton Diffusivity in the Protic Ionic Liquid Triethylammonium Triflate Probed by Quasielastic Neutron Scattering. Journal of Physical Chemistry B, 2015, 119, 10643-10651.	1.2	19

#	ARTICLE	IF	CITATIONS
199	Monitoring the dynamics of miscible P3HT:PCBM blends: A quasi elastic neutron scattering study of organic photovoltaic active layers. <i>Polymer</i> , 2015, 61, 155-162.	1.8	19
200	Tuning Membrane Thickness Fluctuations in Model Lipid Bilayers. <i>Biophysical Journal</i> , 2015, 109, 106-112.	0.2	45
201	Differential Microscopic Mobility of Components within a Deep Eutectic Solvent. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2924-2928.	2.1	74
202	Nanosopic Dynamics of Phospholipid in Unilamellar Vesicles: Effect of Gel to Fluid Phase Transition. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4460-4470.	1.2	58
203	Direct Observation of Coupling between Structural Fluctuation and Ultrafast Hydration Dynamics of Fluorescent Probes in Anionic Micelles. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10849-10857.	1.2	34
204	Magnetic order in URu_2Si_2 : A honeycomb-lattice quantum magnet with strong spin-orbit coupling. <i>Physical Review B</i> , 2015, 91, .	1.1	12
205	A Spin-Frustrated Trinuclear Copper Complex Based on Triaminoguanidine with an Energetically Well-Separated Degenerate Ground State. <i>Inorganic Chemistry</i> , 2015, 54, 3432-3438.	1.9	54
206	Structural Behavior of $\text{Li}_2\text{B}_{10}\text{H}_{10}$. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6481-6487.	1.5	40
207	First Non-Centrosymmetric Deca-Vanadoborate with Borate Vacancies, Self-Assembled around a 1,3-Propanediammonium Cation. <i>Crystal Growth and Design</i> , 2015, 15, 2561-2564.	1.4	17
208	Painting biological low-frequency vibrational modes from small peptides to proteins. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11423-11431.	1.3	18
209	Magnetic Transitions in Iron Porphyrin Halides by Inelastic Neutron Scattering and Ab Initio Studies of Zero-Field Splittings. <i>Inorganic Chemistry</i> , 2015, 54, 9790-9801.	1.9	49
210	Electron Hopping through Double-Exchange Coupling in a Mixed-Valence Diiminobenzoquinone-Bridged Fe_2 Complex. <i>Journal of the American Chemical Society</i> , 2015, 137, 12617-12626.	6.6	52
211	Europium complexes with 1,2-bis(arylimino)acenaphthenes: a search for redox isomers. <i>Russian Chemical Bulletin</i> , 2015, 64, 38-43.	0.4	27
212	Effects of pressure on the dynamics of an oligomeric protein from deep-sea hyperthermophile. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13886-13891.	3.3	27
213	Symmetry and correlations underlying hidden order in URu_2Si_2 . <i>Physical Review B</i> , 2015, 91, .	1.1	12
214	Ionogel based on biopolymer-silica interpenetrated networks: dynamics of confined ionic liquid with lithium salt. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29707-29713.	1.3	29
215	Unparalleled lithium and sodium superionic conduction in solid electrolytes with large monovalent cage-like anions. <i>Energy and Environmental Science</i> , 2015, 8, 3637-3645.	15.6	235
216	A series of tetraazalene radical-bridged M_2 ($\text{M} = \text{Cr}^{\text{III}}$, Mn^{II}), Tj ETQq1 . <i>Overlooked Science</i> , 2015, 6, 6639-6648.	3.7	66

#	ARTICLE	IF	CITATIONS
217	Anomalous and anisotropic nanoscale diffusion of hydration water molecules in fluid lipid membranes. <i>Soft Matter</i> , 2015, 11, 8354-8371.	1.2	34
218	Pressure-induced molten globule state of human acetylcholinesterase: structural and dynamical changes monitored by neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3157-3163.	1.3	34
219	Square-Planar Ruthenium(II) Complexes: Control of Spin State by Pincer Ligand Functionalization. <i>Chemistry - A European Journal</i> , 2015, 21, 579-589.	1.7	26
220	Effect of nanocrystallinity on lattice dynamics in Bi ₂ Te ₃ -based thermoelectrics. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 57-61.	1.2	5
221	The relative diffusive transport rate of Sr ₂ in water changes over the nanometer length scale as measured by coherent quasielastic neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12707-12715.	1.3	1
222	Neutron Scattering Studies of Lithium-Ion Diffusion in Ternary Phosphate Glasses. <i>MRS Advances</i> , 2016, 1, 3057-3062.	0.5	6
223	Investigation of activation kinetics in geopolymer paste using quasielastic neutron scattering. <i>Construction and Building Materials</i> , 2016, 120, 181-188.	3.2	5
224	The cold neutron chopper spectrometer at the Spallation Neutron Source—A review of the first 8 years of operation. <i>Review of Scientific Instruments</i> , 2016, 87, 093902.	0.6	68
225	Structural and Dynamical Trends in Alkali-Metal Silanides Characterized by Neutron-Scattering Methods. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21218-21227.	1.5	11
226	Distinct magnetic spectra in the hidden order and antiferromagnetic phases in URu_2Si_2 . <i>Physical Review B</i> , 2016, 94, .		
227	Dynamic signature of molecular association in methanol. <i>Journal of Chemical Physics</i> , 2016, 145, 014502.	1.2	16
228	Quasi-Elastic Neutron Scattering Studies of Hydrogen Dynamics for Nanoconfined NaAlH ₄ . <i>Journal of Physical Chemistry C</i> , 2016, 120, 14863-14873.	1.5	7
229	Lattice and magnetic dynamics in perovskite $Y_{1-x}Ca_xMnO_3$. <i>Physical Review B</i> , 2016, 94, .	1.1	8
230	Neutron Scattering Studies of the Interplay of Amyloid β Peptide (1-40) and An Anionic Lipid 1,2-dimyristoyl-sn-glycero-3-phosphoglycerol. <i>Scientific Reports</i> , 2016, 6, 30983.	1.6	27
231	Slow Magnetic Relaxations in Cobalt(II) Tetranitrate Complexes. Studies of Magnetic Anisotropy by Inelastic Neutron Scattering and High-Frequency and High-Field EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2016, 55, 12603-12617.	1.9	39
232	Emergent order in the kagome Ising magnet Dy ₃ Mg ₂ Sb ₃ O ₁₄ . <i>Nature Communications</i> , 2016, 7, 13842.	5.8	67
233	Water dynamics in rigid ionomer networks. <i>Journal of Chemical Physics</i> , 2016, 145, 224901.	1.2	16
234	Stabilizing lithium and sodium fast-ion conduction in solid polyhedral-borate salts at device-relevant temperatures. <i>Energy Storage Materials</i> , 2016, 4, 79-83.	9.5	94

#	ARTICLE	IF	CITATIONS
235	Cobalt(II)-Based Single-Ion Magnets with Distorted Pseudotetrahedral [N ₂ O ₂] Coordination: Experimental and Theoretical Investigations. <i>Inorganic Chemistry</i> , 2016, 55, 4047-4058.	1.9	77
236	Methanol diffusion in zeolite HY: a combined quasielastic neutron scattering and molecular dynamics simulation study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17294-17302.	1.3	38
237	Radiation Grafted Ion-Conducting Membranes: The Influence of Variations in Base Film Nanostructure. <i>Macromolecules</i> , 2016, 49, 4253-4264.	2.2	32
238	Enhancement of Lateral Diffusion in Catanionic Vesicles during Multilamellar-to-Unilamellar Transition. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3777-3784.	1.2	23
239	One-dimensional coordination polymers constructed from binuclear 3d ⁴ f nodes and isonicotinato spacer. <i>CrystEngComm</i> , 2016, 18, 4779-4786.	1.3	14
240	Momentum and energy dependent resolution function of the ARCS neutron chopper spectrometer at high momentum transfer: Comparing simulation and experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 835, 34-41.	0.7	6
241	Hydrogen diffusion in bulk and nanocrystalline palladium: A quasielastic neutron scattering study. <i>Physical Review B</i> , 2016, 94, .	1.1	21
242	Three-mode coupling interference patterns in the dynamic structure factor of a relaxor ferroelectric. <i>Physical Review B</i> , 2016, 94, .	1.1	4
243	Pressure effect on hydrogen tunneling and vibrational spectrum in Mn^{II} . <i>Physical Review B</i> , 2016, 94, .	1.1	7
244	A new family of multinuclear mixed-ligand copper(II) clusters: Crystal structures, magnetic properties and catecholase-like activity. <i>Inorganica Chimica Acta</i> , 2016, 453, 104-114.	1.2	23
245	Transformation of the coordination complex $[\text{Co}(\text{C}_3\text{S}_5)_2]^{2+}$ from a molecular magnet to a potential qubit. <i>Chemical Science</i> , 2016, 7, 6160-6166.	3.7	40
246	Neutron polarisation analysis of Polymer:Fullerene blends for organic photovoltaics. <i>Polymer</i> , 2016, 105, 407-413.	1.8	19
247	Enhancement of magnetic anisotropy in a Mn ^{II} -Bi heterobimetallic complex. <i>Chemical Communications</i> , 2016, 52, 11394-11397.	2.2	13
248	Horace : Software for the analysis of data from single crystal spectroscopy experiments at time-of-flight neutron instruments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 834, 132-142.	0.7	182
249	Structure and Dynamics of Interacting Nanoparticles in Semidilute Polymer Solutions. <i>Macromolecules</i> , 2016, 49, 6568-6577.	2.2	36
250	Hyperfine and crystal field interactions in multiferroic HoCrO ₃ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 476001.	0.7	23
251	Glassy Behavior and Isolated Spin Dimers in a New Frustrated Magnet BaCr ₉ Ga ₁₂ O ₁₉ . <i>Journal of the Physical Society of Japan</i> , 2016, 85, 094712.	0.7	4
252	On the molecular dynamics in long-acting calcium channel blocker lacidipine: solid-state NMR, neutron scattering and periodic DFT study. <i>RSC Advances</i> , 2016, 6, 66617-66629.	1.7	3

#	ARTICLE	IF	CITATIONS
253	Frustrated magnetism in the double perovskite $\text{LiO}_2\text{A}_2\text{B}_2\text{O}_{10}$: A comparison with spin-splayed ferrimagnetic ground state in stoichiometric $\text{LiO}_2\text{A}_2\text{B}_2\text{O}_{10}$. <i>Physical Review Letters</i> , 2016, 116, 167802.	1.1	33
254	Coupled antiferromagnetic spin- $\frac{1}{2}$ in green diopside $\text{CaMgSi}_2\text{O}_6$. <i>Physical Review Letters</i> , 2016, 116, 167802.	1.1	10
255	Spin-phonon coupling and high-pressure phase transitions of $\text{CaMgSi}_2\text{O}_6$. <i>Physical Review Letters</i> , 2016, 116, 167802.	1.1	10
256	Spin-phonon coupling and high-pressure phase transitions of $\text{CaMgSi}_2\text{O}_6$. <i>Physical Review Letters</i> , 2016, 116, 167802.	1.1	10
257	Two coordination polymers containing the dicyanamide ligand: Synthesis, crystal structures, and HFEP studies. <i>Inorganica Chimica Acta</i> , 2016, 451, 59-64.	1.2	1
258	3D Magnetically Ordered Open Supramolecular Architectures Based on Ferrimagnetic Cu/Adenine/Hydroxide Heptameric Wheels. <i>Inorganic Chemistry</i> , 2016, 55, 7755-7763.	1.9	17
259	Quantum Tunneling of Water in Beryl: A New State of the Water Molecule. <i>Physical Review Letters</i> , 2016, 116, 167802.	2.9	92
260	Enhanced Dynamics of Hydrated tRNA on Nanodiamond Surfaces: A Combined Neutron Scattering and MD Simulation Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10059-10068.	1.2	14
261	Heterogeneous Chain Dynamics and Aggregate Lifetimes in Precise Acid-Containing Polyethylenes: Experiments and Simulations. <i>Macromolecules</i> , 2016, 49, 9176-9185.	2.2	22
262	Effect of charge on the mechanical properties of surfactant bilayers. <i>Soft Matter</i> , 2016, 12, 9383-9390.	1.2	21
263	Phononic Structure Engineering: the Realization of Einstein Rattling in Calcium Cobaltate for the Suppression of Thermal Conductivity. <i>Scientific Reports</i> , 2016, 6, 30530.	1.6	1
264	Binuclear Lanthanide-Radical Complexes Featuring Two Centers with Different Magnetic and Luminescence Properties. <i>Inorganic Chemistry</i> , 2016, 55, 11676-11684.	1.9	30
265	Microscopic Chain Motion in Polymer Nanocomposites with Dynamically Asymmetric Interphases. <i>Scientific Reports</i> , 2016, 6, 29326.	1.6	53
266	Giant electromechanical coupling of relaxor ferroelectrics controlled by polar nanoregion vibrations. <i>Science Advances</i> , 2016, 2, e1501814.	4.7	91
267	Three-dimensional protonic conductivity in porous organic cage solids. <i>Nature Communications</i> , 2016, 7, 12750.	5.8	133
268	Structure and Function of Iron-Loaded Synthetic Melanin. <i>ACS Nano</i> , 2016, 10, 10186-10194.	7.3	127
269	How mobile are dye adsorbates and acetonitrile molecules on the surface of TiO ₂ nanoparticles? A quasi-elastic neutron scattering study. <i>Scientific Reports</i> , 2016, 6, 39253.	1.6	6
270	The momentum distribution of liquid ^3He . <i>Europhysics Letters</i> , 2016, 115, 66001.	0.7	6

#	ARTICLE	IF	CITATIONS
271	Neutron Polarization Analysis for Biphasic Solvent Extraction Systems. <i>Solvent Extraction and Ion Exchange</i> , 2016, 34, 399-406.	0.8	6
272	Characteristic features of water dynamics in restricted geometries investigated with quasi-elastic neutron scattering. <i>Chemical Physics</i> , 2016, 465-466, 1-8.	0.9	49
273	Copper(II) coordination compounds with sterically constraining pyrenyl nitronyl nitroxide and imino nitroxide. <i>Polyhedron</i> , 2016, 117, 7-13.	1.0	8
274	Dynamical and Phase Behavior of a Phospholipid Membrane Altered by an Antimicrobial Peptide at Low Concentration. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2394-2401.	2.1	56
275	Effective diffusion rates and cross-correlation analysis of $\delta^{13}C$ acid growth data. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	4
276	Synthesis, structure, electrochemistry, and magnetic properties of face-sharing bioctahedral nickel complexes containing a Ni_3Ni_3 core ($X = F^-, Cl^-, Br^-, N_3^-, OH^-$). <i>Journal of Organometallic Chemistry</i> , 2016, 821, 171-181.	0.8	10
277	Orbital-exchange and fractional quantum number excitations in an f-electron metal, Yb_{2Pt_2} . <i>Science</i> , 2016, 352, 1206-1210.	6.0	68
278	Water dynamics in cement paste at early age prepared with pozzolanic volcanic ash and Ordinary Portland Cement using quasielastic neutron scattering. <i>Cement and Concrete Research</i> , 2016, 86, 55-62.	4.6	29
279	Supramolecular Hydrophobic Aggregates in Hydrogels Partially Inhibit Ice Formation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5543-5552.	1.2	29
280	Dynamics of Pyramidal SiH_3^+ Ions in $ASiH_3$ ($A = K$ and Rb) Investigated with Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6369-6376.	1.5	17
281	A Cu^{II} Paramagnetic Chemical Exchange Saturation Transfer Contrast Agent Enabled by Magnetic Exchange Coupling. <i>Journal of the American Chemical Society</i> , 2016, 138, 7804-7807.	6.6	29
282	Ammonia mobility in chabazite: insight into the diffusion component of the NH_3 -SCR process. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17159-17168.	1.3	27
283	Competing ferro- and antiferromagnetic interactions in a hexagonal bipyramidal nickel thiolate cluster. <i>Dalton Transactions</i> , 2016, 45, 2374-2377.	1.6	6
284	A flexible iron(II) complex in which zero-field splitting is resistant to structural variation. <i>Chemical Science</i> , 2016, 7, 416-423.	3.7	28
285	X-ray and Neutron Scattering Study of the Formation of Core-Shell-Type Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2016, 138, 2638-2643.	6.6	49
286	Role of Confinement on Adsorption and Dynamics of Ethane and an Ethane-CO ₂ Mixture in Mesoporous CPG Silica. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4843-4853.	1.5	28
287	Effect of α -Tocopherol on the Microscopic Dynamics of Dimyristoylphosphatidylcholine Membrane. <i>Journal of Physical Chemistry B</i> , 2016, 120, 154-163.	1.2	40
288	Azide Binding Controlled by Steric Interactions in Second Sphere. Synthesis, Crystal Structure, and Magnetic Properties of $[Ni^{II}(L)(1,1-N_3)] [ClO_4]$ ($L =$ Macrocyclic). <i>Inorganic Chemistry</i> , 2016, 55, 1143-1151.	1.9	15

#	ARTICLE	IF	CITATIONS
289	Structure and Hydration of Highly-Branched, Monodisperse Phytoglycogen Nanoparticles. <i>Biomacromolecules</i> , 2016, 17, 735-743.	2.6	70
290	Carboxylate-based molecular magnet: One path toward achieving stable quantum correlations at room temperature. <i>Europhysics Letters</i> , 2016, 113, 40004.	0.7	14
291	First coordination compounds based on a bis(imino nitroxide) biradical and 4f metal ions: synthesis, crystal structures and magnetic properties. <i>Dalton Transactions</i> , 2016, 45, 2936-2944.	1.6	33
292	Relaxation in a Prototype Ionic Liquid: Influence of Water on the Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 715-719.	2.1	11
293	Investigating Structure and Dynamics of Proteins in Amorphous Phases Using Neutron Scattering. <i>Computational and Structural Biotechnology Journal</i> , 2017, 15, 117-130.	1.9	43
294	Incorporation of aspirin modulates the dynamical and phase behavior of the phospholipid membrane. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2514-2524.	1.3	54
295	Collective Excitations in Protein as a Measure of Balance Between its Softness and Rigidity. <i>Journal of Physical Chemistry B</i> , 2017, 121, 923-930.	1.2	3
296	Investigation of the Order-Disorder Rotator Phase Transition in KSiH_3 and RbSiH_3 . <i>Journal of Physical Chemistry C</i> , 2017, 121, 5241-5252.	1.5	6
297	Properties of immobile hydrogen confined in microporous carbon. <i>Carbon</i> , 2017, 117, 383-392.	5.4	21
298	Confinement Effects for Lithium Borohydride: Comparing Silica and Carbon Scaffolds. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4197-4205.	1.5	64
299	On the structure and dynamics of water associated with single-supported zwitterionic and anionic membranes. <i>Journal of Chemical Physics</i> , 2017, 146, 125102.	1.2	12
300	The 2015-2016 Outburst of the Classical EXor V1118 Ori. <i>Astrophysical Journal</i> , 2017, 839, 112.	1.6	16
301	Ratiometric quantitation of redox status with a molecular Fe^{2+} magnetic resonance probe. <i>Chemical Science</i> , 2017, 8, 4424-4430.	3.7	27
302	Effects of Hydrotropic Salt on the Nanoscopic Dynamics of DTAB Micelles. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5562-5572.	1.2	19
303	Field induced spontaneous quasiparticle decay and renormalization of quasiparticle dispersion in a quantum antiferromagnet. <i>Nature Communications</i> , 2017, 8, 15148.	5.8	24
304	Intracellular water - an overlooked drug target? Cisplatin impact in cancer cells probed by neutrons. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2702-2713.	1.3	36
305	Neutron scattering in the proximate quantum spin liquid RuCl_3 . <i>Science</i> , 2017, 356, 1055-1059.	6.0	499
306	A chimeric design of heterospin $2\text{p}^3\text{d}$, $2\text{p}^4\text{f}$, and $2\text{p}^3\text{d}^4\text{f}$ complexes using a novel family of paramagnetic dissymmetric compartmental ligands. <i>Chemical Communications</i> , 2017, 53, 6504-6507.	2.2	55

#	ARTICLE	IF	CITATIONS
307	Aminopolymer Mobility and Support Interactions in Silica-PEI Composites for CO ₂ Capture Applications: A Quasielastic Neutron Scattering Study. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6721-6731.	1.2	30
308	Nanoscope dynamics of bicontinuous microemulsions: effect of membrane associated protein. <i>Soft Matter</i> , 2017, 13, 4871-4880.	1.2	22
309	A robust anionic pillared-layer framework with triphenylamine-based linkers: ion exchange and counterion-dependent sorption properties. <i>CrystEngComm</i> , 2017, 19, 2723-2732.	1.3	23
310	Spectroscopic and Computational Studies of Spin States of Iron(IV) Nitrido and Imido Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 4751-4768.	1.9	41
311	Phonon localization transition in relaxor ferroelectric PZN-5%PT. <i>Applied Physics Letters</i> , 2017, 110, 132901.	1.5	2
312	Dynamic Heterogeneity and Flexibility of the Alkyl Chain in Pyridinium-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2017, 121, 240-249.	1.2	12
313	Comparison of Anion Reorientational Dynamics in MCB ₉ H ₁₀ and M ₂ B ₁₀ H ₁₀ (M = Li, Na) via Nuclear Magnetic Resonance and Quasielastic Neutron Scattering Studies. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1000-1012.	1.5	39
314	$X \times Y$ Pyrochlore $\begin{matrix} \text{Fr} \\ \text{Fr} \\ \text{Fr} \end{matrix} \times \begin{matrix} 2 \\ 2 \\ 2 \end{matrix}$	2.9	20
315	Magnetic ground state of the Ising-like antiferromagnet DyScO_3 . <i>Physical Review B</i> , 2017, 96, .	1.1	0
316	Chain dynamics and nanoparticle motion in attractive polymer nanocomposites subjected to large deformations. <i>Soft Matter</i> , 2017, 13, 7922-7929.	1.2	19
317	Multimodality of Structural, Electrical, and Gravimetric Responses of Intercalated MXenes to Water. <i>ACS Nano</i> , 2017, 11, 11118-11126.	7.3	183
318	Electric Field Induced Polarization Effects Measured by in Situ Neutron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23582-23591.	1.5	8
319	Suppression of the commensurate magnetic phase in nanosized $\text{h}\frac{1}{4}\text{bnerite}$ $\text{MnW}_4\text{O}_{12}$. <i>Physical Review B</i> , 2017, 95, .	1.1	0
320	Damped spin-wave excitations in the itinerant antiferromagnet $\text{Ir}^3\hat{\alpha}$. <i>Physical Review B</i> , 2017, 95, .	1.1	0
321	Lithium self-diffusion in a model lithium garnet oxide Li ₅ La ₃ Ta ₂ O ₁₂ : A combined quasi-elastic neutron scattering and molecular dynamics study. <i>Solid State Ionics</i> , 2017, 312, 1-7.	1.3	19
322	Valence directed binding mode of [2 Å– 2] iron grids of an unsymmetrical picolinic hydrazone based ligand. <i>Dalton Transactions</i> , 2017, 46, 12612-12618.	1.6	11
323	Dynamics of water bound to crystalline cellulose. <i>Scientific Reports</i> , 2017, 7, 11840.	1.6	82
324	Decoupling between the Temperature-Dependent Structural Relaxation and Shear Viscosity of Concentrated Lithium Electrolyte. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8767-8773.	1.2	6

#	ARTICLE	IF	CITATIONS
325	Confined Dynamics of Grafted Polymer Chains in Solutions of Linear Polymer. <i>Macromolecules</i> , 2017, 50, 7372-7379.	2.2	23
326	Probing Elastic and Viscous Properties of Phospholipid Bilayers Using Neutron Spin Echo Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4679-4684.	2.1	100
327	Quasi-two-dimensional spin correlations in the triangular lattice bilayer spin glass LuCoGaO . <i>Physical Review B</i> , 2017, 96, .	1.1	9
328	Experimental evidence for field-induced emergent clock anisotropies in the XY pyrochlore $\text{Er}_2\text{Ti}_2\text{O}_7$. <i>Physical Review B</i> , 2017, 95, .	1.1	6
329	Single-ion properties of the antiferromagnetic pyrochlores Na_2A . <i>Physical Review B</i> , 2017, 95, .	1.1	42
330	quasi-one-dimensional Ising-like antiferromagnet BaCo_2V_2 . <i>Physical Review B</i> , 2017, 96, .	1.1	14
331	Dynamics of an amorphous pharmacologically active compound " diazepam: a QENS study combined with molecular dynamics simulations. <i>RSC Advances</i> , 2017, 7, 35504-35515.	1.7	5
332	The Momentum Distribution of Liquid ^4He . <i>Journal of Low Temperature Physics</i> , 2017, 189, 158-184.	0.6	10
333	Effect of interlamellar interactions on shear induced multilamellar vesicle formation. <i>Journal of Chemical Physics</i> , 2017, 147, 034905.	1.2	10
334	Reorientational Hydrogen Dynamics in Complex Hydrides with Enhanced Li^+ Conduction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17693-17702.	1.5	11
335	Nanoscope length scale dependence of hydrogen bonded molecular associates' dynamics in methanol. <i>Journal of Chemical Physics</i> , 2017, 146, 194501.	1.2	16
336	Effects of ionic liquids on the nanoscopic dynamics and phase behaviour of a phosphatidylcholine membrane. <i>Soft Matter</i> , 2017, 13, 8969-8979.	1.2	52
337	Order-Disorder Transitions and Superionic Conductivity in the Sodium Undeca(carba)borates. <i>Chemistry of Materials</i> , 2017, 29, 10496-10509.	3.2	53
338	Nanostructure of Fully Injectable Hydrazone-Thiosuccinimide Interpenetrating Polymer Network Hydrogels Assessed by Small-Angle Neutron Scattering and dSTORM Single-Molecule Fluorescence Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42179-42191.	4.0	14
339	Structural and magnetic short-range order in fluorite $\text{Yb}_2\text{Zr}_2\text{O}_7$. <i>Physical Review B</i> , 2017, 96, .	1.1	1
340	Higher-order glass-transition singularities in nano-confined states. <i>RSC Advances</i> , 2017, 7, 47801-47805.	1.7	0
341	Orientational Glass Formation in Substituted Hybrid Perovskites. <i>Chemistry of Materials</i> , 2017, 29, 10168-10177.	3.2	36
342	Quantitative Measurements of the Temperature-Dependent Microscopic and Macroscopic Dynamics of a Molecular Dopant in a Conjugated Polymer. <i>Macromolecules</i> , 2017, 50, 5476-5489.	2.2	44

#	ARTICLE	IF	CITATIONS
343	Robust antiferromagnetic spin waves across the metal-insulator transition in hole-doped BaMn_2O_7 . Physical Review B, 2017, 95, .	1.1	20
344	Evidence for a Nematic Phase in $\text{La}_{1.75}\text{Sr}_{0.25}\text{TiO}_7$. Physical Review Letters, 2017, 118, 177601.	2.9	69
345	Magnetic Hamiltonian and phase diagram of the quantum spin liquid $\text{Ca}_{10}\text{O}_{28}$. Physical Review B, 2017, 95, .	1.1	20
346	Small Particle Driven Chain Disentanglements in Polymer Nanocomposites. Physical Review Letters, 2017, 118, 147801.	2.9	69
347	Experimental neutron scattering evidence for proton polaron in hydrated metal oxide proton conductors. Nature Communications, 2017, 8, 15830.	5.8	45
348	Magnetic Anisotropy from Main-Group Elements: Halides versus Group 14 Elements. Inorganic Chemistry, 2017, 56, 8195-8202.	1.9	19
349	Polar rotor scattering as atomic-level origin of low mobility and thermal conductivity of perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$. Nature Communications, 2017, 8, 16086.	5.8	95
350	Pr-magnetism in the quasi-skutterudite compound PrFe_2Al_8 . Journal of Physics Condensed Matter, 2017, 29, 345801.	0.7	9
351	Bulklike excitations in nanoconfined liquid helium. Physical Review B, 2017, 95, .	1.1	6
352	Hydration level dependence of the microscopic dynamics of water adsorbed in ultramicroporous carbon. Carbon, 2017, 111, 705-712.	5.4	16
353	Data processing workflow for time of flight polarized neutrons inelastic measurements. Journal of Physics: Conference Series, 2017, 862, 012023.	0.3	4
354	Deposition of exchange-coupled dinickel complexes on gold substrates utilizing ambidentate mercapto-carboxylato ligands. Beilstein Journal of Nanotechnology, 2017, 8, 1375-1387.	1.5	3
355	Spin wave dispersion just above the magnetic order-order transition in the metallic antiferromagnet Mn_3Pt . Journal of Physics: Conference Series, 2017, 868, 012017.	0.3	0
356	Carbon Incorporation and Anion Dynamics as Synergistic Drivers for Ultrafast Diffusion in Superionic $\text{LiCB}_{11}\text{H}_{12}$ and $\text{NaCB}_{11}\text{H}_{12}$. Advanced Energy Materials, 2018, 8, 1703422.	10.2	72
357	Absence of a long-range ordered magnetic ground state in $\text{Pr}_3\text{Rh}_4\text{Sn}_{13}$ studied through specific heat and inelastic neutron scattering. Journal of Physics Condensed Matter, 2018, 30, 145601.	0.7	4
358	Nanoscale Mobility of Aqueous Polyacrylic Acid in Dental Restorative Cements. ACS Applied Materials & Interfaces, 2018, 10, 9904-9915.	4.0	23
359	Porous Supramolecular Architectures Based on π -Stacking Interactions between Discrete Metal-Adenine Entities and the Non-DNA Theobromine/Caffeine Nucleobases. Crystal Growth and Design, 2018, 18, 3465-3476.	1.4	13
360	A slow atomic diffusion process in high-entropy glass-forming metallic melts. Journal Physics D: Applied Physics, 2018, 51, 145301.	1.3	7

#	ARTICLE	IF	CITATIONS
379	Impact of surface wettability on dynamics of supercooled water confined in nitrogen-doped ordered mesoporous carbon. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28019-28025.	1.3	12
380	Progress towards creating optically addressable molecular qubits. <i>Chemical Communications</i> , 2018, 54, 13773-13781.	2.2	34
381	Structure and dynamics of water on the forsterite surface. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27822-27829.	1.3	10
382	Interphase Structures and Dynamics near Nanofiller Surfaces in Polymer Solutions. <i>Macromolecules</i> , 2018, 51, 9462-9470.	2.2	21
383	Tuning the magnetic ground state of CeMnO_3 by Yb valence fluctuations. <i>Physical Review B</i> , 2018, 98, .	1.1	1
384	Humidity Exposure Enhances Microscopic Mobility in a Room-Temperature Ionic Liquid in MXene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27561-27566.	1.5	20
385	Tracking the Progression of Anion Reorientational Behavior between $\hat{1}\pm$ -Phase and $\hat{1}^2$ -Phase Alkali-Metal Silanides, MSiH_3 , by Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23985-23997.	1.5	1
386	Comprehensive inelastic neutron scattering study of the multiferroic $\text{Mn}_{1-x}\text{Co}_x\text{WO}_4$. <i>Physical Review B</i> , 2018, 98, .	1.1	3
387	The effective increase in atomic scale disorder by doping and superconductivity in $\text{Ca}_3\text{Rh}_4\text{Sn}_{13}$. <i>New Journal of Physics</i> , 2018, 20, 103020.	1.2	9
388	Coupled Multimodal Dynamics of Hydrogen-Containing Ion Networks in Water-Deficient, Sodium Hydroxide-Aluminate Solutions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12097-12106.	1.2	12
389	Spin gaps in the ordered states of $\text{La}_2\text{O}_6\text{X}_2\text{Ru}_2\text{O}_{20}$ and their relation to the distorti. <i>Physical Review B</i> , 2018, 98, .	1.1	8
390	QENS study of methane diffusion in Mo/H-ZSM-5 used for the methane dehydroaromatisation reaction. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
391	Microscopic origin of the logarithmic relaxation in molecular glass-forming liquids. <i>Physical Review B</i> , 2018, 98, .	1.1	2
392	Dynamics of Architecturally Engineered All-Polymer Nanocomposites. <i>ACS Nano</i> , 2018, 12, 10807-10816.	7.3	25
393	YUI and HANA: control and visualization programs for HRC in J-PARC. <i>Journal of Physics: Conference Series</i> , 2018, 1021, 012014.	0.3	6
394	Two inherent crossovers of the diffusion process in glass-forming liquids. <i>Physical Review E</i> , 2018, 98, .	0.8	5
395	High resolution chopper spectrometer HRC and neutron Brillouin scattering. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
396	Phospholipid Bilayer Softening Due to Hydrophobic Gold Nanoparticle Inclusions. <i>Langmuir</i> , 2018, 34, 13416-13425.	1.6	21

#	ARTICLE	IF	CITATIONS
397	Neutron scattering studies on short- and long-range layer structures and related dynamics in imidazolium-based ionic liquids. <i>Journal of Chemical Physics</i> , 2018, 149, 054502.	1.2	20
398	Side chain length affects backbone dynamics in poly(3-alkylthiophene)s. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1193-1202.	2.4	31
399	Dynamics in the Plastic Crystalline Phases of Cyclohexanol and Cyclooctanol Studied by Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6296-6304.	1.2	1
400	Maxon and roton measurements in nanoconfined ^4He . <i>Physical Review B</i> , 2018, 97, .		5
401	Origin of dielectric relaxor behavior in PVDF-based copolymer and terpolymer films. <i>AIP Advances</i> , 2018, 8, .	0.6	15
402	Detecting Branching in Wormlike Micelles via Dynamic Scattering Methods. <i>ACS Macro Letters</i> , 2018, 7, 614-618.	2.3	20
403	Thermal scattering law of ^3He . <i>Annals of Nuclear Energy</i> , 2018, 120, 778-787.	0.9	9
404	Discovery of coexisting Dirac and triply degenerate magnons in a three-dimensional antiferromagnet. <i>Nature Communications</i> , 2018, 9, 2591.	5.8	62
405	Relaxation dynamics of saturated and unsaturated oriented lipid bilayers. <i>Soft Matter</i> , 2018, 14, 6119-6127.	1.2	13
406	Effects of Confinement and Pressure on the Vibrational Behavior of Nano-Confined Propane. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6736-6745.	1.1	20
407	Effect of magnetic fields on the methyl rotation in a paramagnetic cobalt(II) complex. Quasielastic neutron scattering studies. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21119-21126.	1.3	10
408	Electrolyte cation length influences electrosorption and dynamics in porous carbon supercapacitors. <i>Electrochimica Acta</i> , 2018, 283, 882-893.	2.6	25
409	Magnetoelastically induced vibronic bound state in the spin-ice pyrochlore Ho_2O_7 . <i>Physical Review B</i> , 2018, 98, .	1.1	20
410	Inelastic and deep inelastic neutron spectroscopy of water molecules under ultra-confinement. <i>Journal of Physics: Conference Series</i> , 2018, 1055, 012002.	0.3	7
411	Fast Rotational Diffusion of Water Molecules in a 2D Hydrogen Bond Network at Cryogenic Temperatures. <i>Physical Review Letters</i> , 2018, 120, 196001.	2.9	10
412	Effect of melittin on water diffusion and membrane structure in DMPC lipid bilayers. <i>Europhysics Letters</i> , 2018, 123, 18002.	0.7	7
413	Ice Ih revisited: No proton tunneling observed in a quasielastic neutron scattering experiment. <i>Physical Review B</i> , 2018, 98, .	1.1	7
414	Structural and Dynamical Properties of Water Confined in Highly Ordered Mesoporous Silica in the Presence of Electrolytes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19857-19868.	1.5	6

#	ARTICLE	IF	CITATIONS
415	Nature of Decahydro-<i>closo</i>-decaborate Anion Reorientations in an Ordered Alkali-Metal Salt: $\text{Rb}_2\text{B}_{10}\text{H}_{10}$. Journal of Physical Chemistry C, 2018, 122, 15198-15207.	1.5	9
416	Crystal field excitations from at defective sites in highly stuffed Yb_2O_7 . Physical Review B, 2018, 97, .	1.1	6
417	The effects of MTG catalysis on methanol mobility in ZSM-5. Catalysis Science and Technology, 2018, 8, 3304-3312.	2.1	23
418	Lithium Conductivity and Ions Dynamics in $\text{LiBH}_4/\text{SiO}_2$ Solid Electrolytes Studied by Solid-State NMR and Quasi-Elastic Neutron Scattering and Applied in Lithium-Sulfur Batteries. Journal of Physical Chemistry C, 2018, 122, 15264-15275.	1.5	51
419	Low-Temperature Rotational Tunneling of Tetrahydroborate Anions in Lithium Benzimidazolate-Borohydride $\text{Li}_2(\text{blm})\text{BH}_4$. Journal of Physical Chemistry C, 2019, 123, 20789-20799.	1.5	6
420	Disentangling Polymer Network and Hydration Water Dynamics in Polyhydroxyethyl Methacrylate Physical and Chemical Hydrogels. Journal of Physical Chemistry C, 2019, 123, 19183-19194.	1.5	16
421	Novel Strongly Spin-Orbit Coupled Quantum Dimer Magnet: Yb_2O_7 . Physical Review Letters, 2019, 123, 027201.	2.9	18
422	Microscopic Dynamics in an Ionic Liquid Augmented with Organic Solvents. Journal of Physical Chemistry C, 2019, 123, 19354-19361.	1.5	8
423	Dynamics of ionic liquids in the presence of polymer-grafted nanoparticles. Nanoscale, 2019, 11, 19832-19841.	2.8	14
424	Dynamical and Structural Properties of Water in Silica Nanoconfinement: Impact of Pore Size, Ion Nature, and Electrolyte Concentration. Langmuir, 2019, 35, 10780-10794.	1.6	23
425	Fibre formation in calcium caseinate influenced by solvent isotope effect and drying method – A neutron spectroscopy study. Chemical Engineering Science, 2019, 207, 1270-1277.	1.9	5
426	Spin-liquid-like state in pure and Mn-doped TbInO_3 with a nearly triangular lattice. Physical Review B, 2019, 100, .	1.0	10
427	Transport properties of H_2 confined in carbide-derived carbons with different pore shapes and sizes. Carbon, 2019, 155, 122-128.	5.4	18
428	Synthesis, Magnetic and High-Field EPR Investigation of Two Tetranuclear Ni_4 -Based Complexes. Inorganic Chemistry, 2019, 58, 14420-14428.	1.9	5
429	Chain and Ion Dynamics in Precise Polyethylene Ionomers. Macromolecules, 2019, 52, 7939-7950.	2.2	23
430	Accelerated Local Dynamics in Matrix-Free Polymer Grafted Nanoparticles. Physical Review Letters, 2019, 123, 158003.	2.9	24
431	Frustrated magnetic interactions in an $S=3/2$ bilayer honeycomb lattice compound $\text{Bi}_3\text{Mn}_4\text{O}_{12}(\text{NO}_3)$. Physical Review B, 2019, 100, .	1.1	7
432	Highly dispersive magnons with spin-gap-like features in the frustrated ferromagnetic compound $\text{YCa}_2\text{Cu}_2\text{O}_7$. Physical Review B, 2019, 100, .	1.1	10

#	ARTICLE	IF	CITATIONS
433	A Quasielastic Neutron Scattering Investigation on the Molecular Self-Dynamics of Human Myelin Protein P2. Journal of Physical Chemistry B, 2019, 123, 8178-8185.	1.2	4
434	Nanocrystal superlattices as phonon-engineered solids and acoustic metamaterials. Nature Communications, 2019, 10, 4236.	5.8	25
435	Two-dimensional spin liquid behaviour in the triangular-honeycomb antiferromagnet TbInO ₃ . Nature Physics, 2019, 15, 262-268.	6.5	47
436	Self-assembled Cu(II) cluster from aerobic oxidation of Cu(I)Br with tris(triazolyl)methanol. Inorganica Chimica Acta, 2019, 488, 141-144.	1.2	3
437	Surface phonons of lithium ion battery active materials. Sustainable Energy and Fuels, 2019, 3, 508-513.	2.5	18
438	Magnetic-field effects on the fragile antiferromagnetism in YbBiPt. Physical Review B, 2019, 99, .	1.1	4
439	Water dynamics in MCF-7 breast cancer cells: a neutron scattering descriptive study. Scientific Reports, 2019, 9, 8704.	1.6	23
440	Band <i>vs.</i> polaron: vibrational motion and chemical expansion of hydride ions as signatures for the electronic character in oxyhydride barium titanate. Journal of Materials Chemistry A, 2019, 7, 16211-16221.	5.2	22
441	Two-dimensional ordering and collective magnetic excitations in the dilute ferromagnetic topological insulator Bi_2Te_3 . Physical Review B, 2019, 99, .	1.1	10
442	Effect of fine-tuning pore structures on the dynamics of confined water. Journal of Chemical Physics, 2019, 150, 204706.	1.2	10
443	Assessment of molecular dynamics simulations for amorphous poly(3-hexylthiophene) using neutron and X-ray scattering experiments. Soft Matter, 2019, 15, 5067-5083.	1.2	22
444	Antiferromagnetic ordering and dipolar interactions of YbAlO_3 . Physical Review B, 2019, 99, .		
445	Heat capacity and thermodynamic functions of crystalline forms of the metal-organic framework zinc 2-methylimidazolate, Zn(MeIm) ₂ . Journal of Chemical Thermodynamics, 2019, 136, 160-169.	1.0	11
446	Quantum Spin Ice Dynamics in the Dipole-Octupole Pyrochlore Magnet Ce_2O_3 . Physical Review Letters, 2019, 122, 187201.	2.9	10
447	Wide-angle polarization analysis on the multi-axis crystal spectrometer for the study of collective and single particle dynamics of methanol at its prepeak. Physica B: Condensed Matter, 2019, 564, 166-171.	1.3	13
448	Elucidation of the Structure and Vibrational Spectroscopy of Synthetic Metaschoepite and Its Dehydration Product. Inorganic Chemistry, 2019, 58, 7310-7323.	1.9	19
449	Spatial and thermal signatures of \hat{I}_\pm and \hat{I}_z^2 relaxations in glassy and glacial aliphatic ionic liquids. Journal of Chemical Physics, 2019, 150, 144506.	1.2	5
450	Anisotropic exchange Hamiltonian, magnetic phase diagram, and domain inversion of Nd_2O_7 . Physical Review B, 2019, 99, .	1.1	15

#	ARTICLE	IF	CITATIONS
451	Long-Range Antiferromagnetic Order in a Rocksalt High Entropy Oxide. <i>Chemistry of Materials</i> , 2019, 31, 3705-3711.	3.2	112
452	Direct measurement of hydrogen diffusivity and solubility limits in Zircaloy 2 (formula unit of) $Tj ETQq1 1 0.784314 rgBT /Overlock 10 T$ 177-189.	1.3	3
453	Spinon confinement and a sharp longitudinal mode in Yb_2Pt_2Pb in magnetic fields. <i>Nature Communications</i> , 2019, 10, 1123.	5.8	30
454	Colossal barocaloric effects in plastic crystals. <i>Nature</i> , 2019, 567, 506-510.	13.7	253
455	Probing Li ion dynamics in amorphous $xLi_2SO_4 \cdot (1-x)LiPO_3$ by quasielastic neutron scattering. <i>Solid State Ionics</i> , 2019, 334, 95-98.	1.3	11
456	Nanoscale dynamics of water confined in ordered mesoporous carbon. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8517-8528.	1.3	5
457	Coordination chemistry and photoswitching of dinuclear macrocyclic cadmium-, nickel-, and zinc complexes containing azobenzene carboxylate co-ligands. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 840-851.	1.3	7
458	Ionic Conduction Mechanism in the $Na_{2(B_{12}H_{12})_{0.5}(B_{10}H_{10})_{0.5}}$ <i>closo</i> -Borate Solid-State Electrolyte: Interplay of Disorder and Ion-Ion Interactions. <i>Chemistry of Materials</i> , 2019, 31, 3449-3460.	3.2	54
459	A modern approach to QENS data analysis in Mantid. <i>Physica B: Condensed Matter</i> , 2019, 563, 41-49.	1.3	9
460	Study of segmental dynamics and ion transport in polymer-ceramic composite electrolytes by quasi-elastic neutron scattering. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 379-385.	1.7	31
461	Effect of an Antimicrobial Peptide on Lateral Segregation of Lipids: A Structure and Dynamics Study by Neutron Scattering. <i>Langmuir</i> , 2019, 35, 4152-4160.	1.6	28
462	Cation Molecular Structure Affects Mobility and Transport of Electrolytes in Porous Carbons. <i>Journal of the Electrochemical Society</i> , 2019, 166, A507-A514.	1.3	12
463	Tomonaga-Luttinger liquid behavior and spinon confinement in $YbAlO_3$. <i>Nature Communications</i> , 2019, 10, 698.	5.8	56
464	Simulation of Inelastic Neutron Scattering Spectra Using OCLIMAX. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 1974-1982.	2.3	95
465	Exotic Magnetic Field-Induced Spin-Superstructures in a Mixed Honeycomb-Triangular Lattice System. <i>Physical Review X</i> , 2019, 9, .	2.8	10
466	Unraveling the Role of Monoolein in Fluidity and Dynamical Response of a Mixed Cationic Lipid Bilayer. <i>Langmuir</i> , 2019, 35, 4682-4692.	1.6	33
467	Exchange Bias in Bulk $\pm Fe/\sqrt{3}Fe_{70}Mn_{30}$ Nanocomposites for Permanent Magnet Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 1940-1950.	2.4	8
468	Impact of Nanoparticles on the Segmental and Swelling Dynamics of Ionomer Nanocomposite Membranes. <i>Macromolecules</i> , 2019, 52, 2120-2130.	2.2	9

#	ARTICLE	IF	CITATIONS
469	Scaling of lipid membrane rigidity with domain area fraction. <i>Soft Matter</i> , 2019, 15, 2762-2767.	1.2	14
470	Nature and impact of stripe freezing in $\text{La}_{1.67}\text{Sr}_{0.33}\text{NiO}_4$. <i>Physical Review B</i> , 2019, 100, .	1.1	9
471	Signatures for spinons in the quantum spin liquid candidate $\text{Ca}_{10}\text{O}_{28}$. <i>Physical Review B</i> , 2019, 100, .	1.1	8
472	Crystal field splitting, local anisotropy, and low-energy excitations in the quantum magnet YbCl_3 . <i>Physical Review B</i> , 2019, 100, .	1.1	26
473	Effects of water on the stochastic motions of propane confined in MCM-41-S pores. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25035-25046.	1.3	16
474	Molecular behaviour of phenol in zeolite Beta catalysts as a function of acid site presence: a quasielastic neutron scattering and molecular dynamics simulation study. <i>Catalysis Science and Technology</i> , 2019, 9, 6700-6713.	2.1	12
475	New insights into water dynamics of Portland cement paste with nano-additives using quasielastic neutron scattering. <i>Journal of Materials Science</i> , 2019, 54, 4710-4718.	1.7	3
476	Neutron Instruments for Research in Coordination Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1065-1089.	1.0	29
477	Probing Magnetic Excitations in Co_2Si Single-Molecule Magnets by Inelastic Neutron Scattering. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1119-1127.	1.0	14
478	Segmental Diffusion in Attractive Polymer Nanocomposites: A Quasi-Elastic Neutron Scattering Study. <i>Macromolecules</i> , 2019, 52, 669-678.	2.2	25
479	Side chain dynamics in semiconducting polymer MEHPPV . <i>Journal of Applied Polymer Science</i> , 2019, 136, 47394.	1.3	3
480	Dynamics of Hydride Ions in Metal Hydride-Reduced BaTiO_3 Samples Investigated with Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2019-2030.	1.5	19
481	Investigation of the Dynamics of 1-Octene Adsorption at 293 K in a ZSM-5 Catalyst by Inelastic and Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2019, 123, 417-425.	1.5	12
482	Effects of NSAIDs on the nanoscopic dynamics of lipid membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183100.	1.4	30
483	Imidazolium-based ionic liquids cause mammalian cell death due to modulated structures and dynamics of cellular membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183103.	1.4	61
484	Implementation and assessment of resolution-dependent elastic incoherent neutron scattering measurements at a backscattering spectrometer for probing relaxations in complex systems. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 949, 162534.	0.7	2
485	Adenine nucleobase directed supramolecular architectures based on ferrimagnetic heptanuclear copper(II) entities and benzenecarboxylate anions. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110865.	1.5	8
486	Structural and reorientational dynamics of tetrahydroborate (BH_4^+) and tetrahydrofuran (THF) in a $\text{Mg}(\text{BH}_4)_2 \cdot 3\text{THF}$ adduct: neutron-scattering characterization. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 368-378.	1.3	6

#	ARTICLE	IF	CITATIONS
487	Interleaflet coupling of <i>n</i> -alkane incorporated bilayers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5418-5426.	1.3	14
488	Transverse lipid organization dictates bending fluctuations in model plasma membranes. <i>Nanoscale</i> , 2020, 12, 1438-1447.	2.8	28
489	Dynamics of a room temperature ionic liquid under applied pressure. <i>Chemical Physics</i> , 2020, 530, 110628.	0.9	9
490	Structure and dynamics of lipid membranes interacting with antiviral end-phosphorylated polyethylene glycol block copolymers. <i>Soft Matter</i> , 2020, 16, 983-989.	1.2	10
491	Mononuclear coordination compounds containing a pyrazole-based ligand: Syntheses, magnetism and acetylcholinesterase inhibition assays. <i>Journal of Molecular Structure</i> , 2020, 1205, 127564.	1.8	9
492	Ubiquitin-Derived Peptides Selectively Interact with the Anionic Phospholipid Membrane. <i>Langmuir</i> , 2020, 36, 397-408.	1.6	28
493	Vibrational modes and quantum zero-point energy of hydrogen in ZrH _{0.0155} and ZrH ₂ . <i>Journal of Alloys and Compounds</i> , 2020, 818, 152832.	2.8	5
494	Cluster Frustration in the Breathing Pyrochlore Magnet $LiGaCr_4S_8$ <i>Physical Review Letters</i> , 2020, 125, 167201.	2.0	20
495	Aquaporin-like water transport in nanoporous crystalline layered carbon nitride. <i>Science Advances</i> , 2020, 6, .	4.7	17
496	Exploring molecular reorientations in amorphous and recrystallized felodipine at the microscopic level. <i>RSC Advances</i> , 2020, 10, 37346-37357.	1.7	3
497	The electronic structure of a μ^2 -diketimate manganese hydride dimer. <i>Dalton Transactions</i> , 2020, 49, 14463-14474.	1.6	6
498	Dimer rattling mode induced low thermal conductivity in an excellent acoustic conductor. <i>Nature Communications</i> , 2020, 11, 5197.	5.8	27
499	Octanuclear nickel phosphonate core forming extended and molecular structures. <i>CrystEngComm</i> , 2020, 22, 6900-6910.	1.3	0
500	Cooperative origin of proton pair diffusivity in yttrium substituted barium zirconate. <i>Communications Physics</i> , 2020, 3, .	2.0	10
501	Chemical structure and curing dynamics of bisphenol S, PEEK TM like, and resveratrol phthalonitrile thermoset resins. <i>Journal of Polymer Science</i> , 2020, 58, 3419-3431.	2.0	7
502	Na ion dynamics in P2-Nax[Ni _{1/3} Ti _{2/3}]O ₂ : a combination of quasi-elastic neutron scattering and first-principles molecular dynamics study. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25290-25297.	5.2	7
503	Dimensional reduction of helium-4 inside argon-plated MCM-41 nanopores. <i>Physical Review B</i> , 2020, 102, .	1.1	4
504	Structural and Dynamical Properties of Potassium Dodecahydro-monocarbato-dodecaborate: KCB ₁₁ H ₁₂ . <i>Journal of Physical Chemistry C</i> , 2020, 124, 17992-18002.	1.5	24

#	ARTICLE	IF	CITATIONS
505	Test of the Dynamic-Domain and Critical Scattering Hypotheses in Cubic Methylammonium Lead Triiodide. <i>Physical Review Letters</i> , 2020, 125, .	2.9	13
506	Polymer-Coupled Local Dynamics Enhances Conductivity of Ionic Liquids. <i>Macromolecules</i> , 2020, 53, 6538-6546.	2.2	11
507	Static and dynamic spin properties in the quantum triangular lattice antiferromagnet $\text{AgMn}_2\text{P}_2\text{O}_{11}$. <i>Physical Review B</i> , 2020, 102, .	1.2	1
508	In situ investigation of phosphonate retarder interaction in oil well cements at elevated temperature and pressure conditions. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6400-6413.	1.9	6
509	Influence of External NaCl Salt on Membrane Rigidity of Neutral DOPC Vesicles. <i>Langmuir</i> , 2020, 36, 9356-9367.	1.6	31
510	Self-diffusion of Liquid Hydrogen: A Quasi-elastic Neutron Scattering Study. <i>Journal of Low Temperature Physics</i> , 2020, 201, 451-462.	0.6	4
511	Nanoscale Relaxation in H_2O -in-Salt and H_2O -in-Bisalt Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7279-7284.	2.1	16
512	Contrasting Behaviors of FA and MA Cations in PbBr_3 . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9669-9679.	2.1	16
513	Enhanced dynamics in the anomalous melting regime of DMPC lipid membranes. <i>Structural Dynamics</i> , 2020, 7, 054704.	0.9	6
514	Bromine Incorporation and Suppressed Cation Rotation in Mixed-Halide Perovskites. <i>ACS Nano</i> , 2020, 14, 15107-15118.	7.3	23
515	Analysis of the time-of-flight neutron scattering cross-section data for light water measured at the SEQUOIA spectrometer, Spallation Neutron Source (SNS). <i>EPJ Web of Conferences</i> , 2020, 239, 14007.	0.1	2
516	Orbital energy mismatch engenders high-spin ground states in heterobimetallic complexes. <i>Chemical Science</i> , 2020, 11, 9971-9977.	3.7	4
517	Scaling relationships for the elastic moduli and viscosity of mixed lipid membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23365-23373.	3.3	53
518	Effect of Hydration on the Molecular Dynamics of Hydroxychloroquine Sulfate. <i>ACS Omega</i> , 2020, 5, 21231-21240.	1.6	8
519	A Mechanical Mechanism for Vitamin E Acetate in E-cigarette/Vaping-Associated Lung Injury. <i>Chemical Research in Toxicology</i> , 2020, 33, 2432-2440.	1.7	34
520	Effect of Molecular Stiffness on the Physical Aging of Polymers. <i>Macromolecules</i> , 2020, 53, 7684-7690.	2.2	14
521	The Effect of an Intramembrane Light-Actuator on the Dynamics of Phospholipids in Model Membranes and Intact Cells. <i>Langmuir</i> , 2020, 36, 11517-11527.	1.6	17
522	Role of intracellular water in the normal-to-cancer transition in human cells—insights from quasi-elastic neutron scattering. <i>Structural Dynamics</i> , 2020, 7, 054701.	0.9	16

#	ARTICLE	IF	CITATIONS
523	Structure and Dynamics of Aqueous Electrolytes Confined in 2D-TiO ₂ /Ti ₃ C ₂ T ₂ MXene Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 58378-58389.	4.0	25
524	Nonlinear propagating modes beyond the phonons in fluorite-structured crystals. Communications Physics, 2020, 3, .	2.0	17
525	Spin waves in the two-dimensional honeycomb lattice XXZ-type van der Waals antiferromagnet $S=1$ CoPS. Physical Review B, 2020, 102, .	1.1	29
526	Coordination polymers containing a pyrazole-based ligand and 4,4'-bipyridine as a spacer: enhancing the family of nonzero-dimensional compounds featuring single-ion magnetic behavior. Inorganic Chemistry Communication, 2020, 121, 108201.	1.8	2
527	Hydration-Induced Disorder Lowers the Energy Barriers for Methyl Rotation in Drug Molecules. Journal of Physical Chemistry Letters, 2020, 11, 10256-10261.	2.1	7
528	Magnetic excitations affected by spin-lattice coupling in the triangular lattice antiferromagnet $S=1$ Ag ₂ Co ₂ Te ₄ . Physical Review B, 2020, 102, .	1.1	1
529	Enhanced Microscopic Dynamics of a Liver Lipid Membrane in the Presence of an Ionic Liquid. Frontiers in Chemistry, 2020, 8, 577508.	1.8	12
530	Understanding the Structure and Dynamics of Complex Biomembrane Interactions by Neutron Scattering Techniques. Langmuir, 2020, 36, 15189-15211.	1.6	38
531	MJOLNIR: A software package for multiplexing neutron spectrometers. SoftwareX, 2020, 12, 100600.	1.2	6
532	Phonons, Q-dependent Kondo spin fluctuations, and f phonon resonance in Yb	1.1	3
533	Electron-phonon coupling and superconductivity in the doped topological crystalline insulator (Pb _{0.5} Sn _{0.5}) _{1-x} In _x Te. Physical Review B, 2020, 102, .	1.1	5
534	Influence of Kosmotrope and Chaotrope Salts on Water Structural Relaxation. Journal of Physical Chemistry Letters, 2020, 11, 8970-8975.	2.1	19
535	Octane isomer dynamics in H-ZSM-5 as a function of Si/Al ratio: a quasi-elastic neutron scattering study. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20200063.	1.6	2
536	Quantum Versus Classical Spin Fragmentation in Dipolar Kagome Ice Ho ₃ Mg ₂ Sb ₃ O ₁₄ . Physical Review X, 2020, 10, .	2.8	16
537	Spin-frustration with two quasi-degenerated spin states of a copper ($S=1$) heptanuclear complex obtained from an amino acid ligand. Dalton Transactions, 2020, 49, 16359-16367.	1.6	3
538	A 3D interpenetrated Co(II)-glutarate coordination polymer: Synthesis, crystal structure, magnetic and adsorption properties. Inorganica Chimica Acta, 2020, 511, 119791.	1.2	10
539	Cesium Substitution Disrupts Concerted Cation Dynamics in Formamidinium Hybrid Perovskites. Chemistry of Materials, 2020, 32, 6266-6277.	3.2	38
540	Vibrational Behavior of Water Adsorbed on Forsterite (Mg ₂ SiO ₄) Surfaces. ACS Earth and Space Chemistry, 2020, 4, 1050-1063.	1.2	11

#	ARTICLE	IF	CITATIONS
541	Topological Singularity Induced Chiral Kohn Anomaly in a Weyl Semimetal. <i>Physical Review Letters</i> , 2020, 124, 236401.	2.9	27
542	Observation of High-Frequency Transverse Phonons in Metallic Glasses. <i>Physical Review Letters</i> , 2020, 124, 225902.	2.9	20
543	Entangled Polymer Dynamics in Attractive Nanocomposite Melts. <i>Macromolecules</i> , 2020, 53, 4982-4989.	2.2	14
544	Gradual pressure-induced enhancement of magnon excitations in CeCoSi. <i>Physical Review B</i> , 2020, 101, .	1.1	14
545	Establishing the carrier scattering phase diagram for ZrNiSn-based half-Heusler thermoelectric materials. <i>Nature Communications</i> , 2020, 11, 3142.	5.8	87
546	Manganese tetraphenylporphyrin bromide and iodide. Studies of structures and magnetic properties. <i>Polyhedron</i> , 2020, 184, 114488.	1.0	9
547	Order out of a Coulomb Phase and Higgs Transition: Frustrated Transverse Interactions of NdO_7 . <i>Physical Review Letters</i> , 2020, 124, 097203.	2.9	18
548	Inter-Kramers Transitions and Spin-Phonon Couplings in a Lanthanide-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2020, 59, 5218-5230.	1.9	25
549	The role of oxygen vacancies on the vibrational motions of hydride ions in the oxyhydride of barium titanate. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6360-6371.	5.2	9
550	An inelastic neutron scattering, Raman, far-infrared, and molecular dynamics study of the intermolecular dynamics of two ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9074-9085.	1.3	8
551	Paramagnetic Organocobalt Capsule Revealing Xenon Host-Guest Chemistry. <i>Inorganic Chemistry</i> , 2020, 59, 13831-13844.	1.9	23
552	Segmental Dynamics Measured by Quasi-Elastic Neutron Scattering and Ion Transport in Chemically Distinct Polymer Electrolytes. <i>Macromolecules</i> , 2020, 53, 2406-2411.	2.2	20
553	Molecular behaviour of methanol and dimethyl ether in H-ZSM-5 catalysts as a function of Si/Al ratio: a quasielastic neutron scattering study. <i>Catalysis Science and Technology</i> , 2020, 10, 4305-4320.	2.1	18
554	Effect of steam de-alumination on the interactions of propene with H-ZSM-5 zeolites. <i>RSC Advances</i> , 2020, 10, 23136-23147.	1.7	15
555	The Application of Quasi-Elastic Neutron Scattering to Investigate Hydrogen Diffusion in an Iron-Based Fischer-Tropsch Synthesis Catalyst. <i>Topics in Catalysis</i> , 2020, 63, 378-385.	1.3	4
556	Structure and dynamics of ethane confined in silica nanopores in the presence of CO ₂ . <i>Journal of Chemical Physics</i> , 2020, 152, 084707.	1.2	14
557	Octupolar versus Néel Order in Cubic NdO_5 . <i>Physical Review Letters</i> , 2020, 124, 087206.	2.9	18
558	Ultralow thermal conductivity from transverse acoustic phonon suppression in distorted crystalline MgAgSb . <i>Nature Communications</i> , 2020, 11, 942.	5.8	44

#	ARTICLE	IF	CITATIONS
559	Particle transport of electron cyclotron resonant heating plasma in Large Helical Device. Plasma Physics and Controlled Fusion, 2020, 62, 025029.	0.9	14
560	Low-temperature spin dynamics in the TmFeO_3 orthoferrite with a non-Kramers ion. Physical Review B, 2020, 101, .	1.1	11
561	A New Look into the Mode of Action of Metal-Based Anticancer Drugs. Molecules, 2020, 25, 246.	1.7	17
562	Insights into the Water Transport Mechanism in Polymeric Membranes from Neutron Scattering. Macromolecules, 2020, 53, 1443-1450.	2.2	30
563	Multiscale and Multimodal Characterization of 2D Titanium Carbonitride MXene. Advanced Materials Interfaces, 2020, 7, 1902207.	1.9	35
564	Low-energy magnons in the chiral ferrimagnet Cu_2OSeO_3 : A coarse-grained approach. Physical Review B, 2020, 101, .	1.1	6
565	An Oxalate-Bridged Copper(II) Complex Combining Monodentate Benzoate, 2,2'-bipyridine and Aqua Ligands: Synthesis, Crystal Structure and Investigation of Magnetic Properties. Molecules, 2020, 25, 1898.	1.7	8
566	Structure and magnetic properties of a novel heteroheptanuclear metal string complex $[\text{Ni}_3\text{Ru}_2\text{Ni}_2(\mu_4\text{-tepra})_4(\text{NCS})_2(\text{PF}_6)_6]$. Dalton Transactions, 2020, 49, 6635-6643.		
567	Lattice Dynamics of Sb_2Se_3 from Inelastic Neutron and X-Ray Scattering. Physica Status Solidi (B): Basic Research, 2020, 257, 2000063.	0.7	6
568	Polymer Dynamics in Block Copolymer Electrolytes Detected by Neutron Spin Echo. ACS Macro Letters, 2020, 9, 639-645.	2.3	10
569	A new series of heteronuclear metal strings, $\text{MRhRh}(\text{dpa})_4\text{Cl}_2$ and $\text{MRhRhM}(\text{dpa})_4\text{X}_2$, from the reactions of $\text{Rh}_2(\text{dpa})_4$ with metal ions of group 7 to group 12. Dalton Transactions, 2021, 50, 520-534.	1.6	10
570	Quasielastic Neutron Scattering and Molecular Dynamics Simulation Study on the Molecular Behaviour of Catechol in Zeolite Beta. Topics in Catalysis, 2021, 64, 707-721.	1.3	4
571	Relevance of hydrogen bonded associates to the transport properties and nanoscale dynamics of liquid and supercooled 2-propanol. Physical Chemistry Chemical Physics, 2021, 23, 7220-7232.	1.3	5
572	Direct determination of the zero-field splitting for the Fe^{2+} ion in a synthetic polymorph of Fe^{2+}		

#	ARTICLE	IF	CITATIONS
577	Interplay between the Reorientational Dynamics of the B_{3H_8} Anion and the Structure in KB_{3H_8} . Journal of Physical Chemistry C, 2021, 125, 3716-3724.	1.5	10
578	Pressure and Temperature Dependence of Local Structure and Dynamics in an Ionic Liquid. Journal of Physical Chemistry B, 2021, 125, 2719-2728.	1.2	16
579	Sequence-dependent Hydration Water Dynamics of Dodecameric DNA. , 2021, , .		0
580	Detection of Kardar-Parisi-Zhang hydrodynamics in a quantum Heisenberg spin-1/2 chain. Nature Physics, 2021, 17, 726-730.	6.5	60
581	Magnetoelastic coupling, negative thermal expansion, and two-dimensional magnetic excitations in FeAs. Physical Review B, 2021, 103, .	1.1	6
582	HoHO: A Paramagnetic Air-Resistant Ionic Hydride with Ordered Anions. Inorganic Chemistry, 2021, 60, 3972-3979.	1.9	11
583	Effective point-charge analysis of crystal fields: Application to rare-earth pyrochlores and tripod kagome magnets $\langle \text{math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle R \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{Mg} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{Sb} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle Q \langle \text{mml:msub} \langle \text{mml:mrow}$	1.3	5
584	Strong Enhancement of Nanoconfined Water Mobility by a Structure Breaking Salt. Journal of Physical Chemistry Letters, 2021, 12, 4038-4044.	2.1	7
585	Water dynamics within nanostructured amphiphilic statistical copolymers from quasielastic neutron scattering. Journal of Chemical Physics, 2021, 154, 154903.	1.2	3
586	Diffusional Dynamics of Hydride Ions in the Layered Oxyhydride $SrVO_2H$. Chemistry of Materials, 2021, 33, 2967-2975.	3.2	8
587	Quantum phase transitions in a quasi-one-dimensional Ising quantum magnet in transverse fields. Physical Review B, 2021, 103, .	1.1	3
588	Formation of one-dimensional quantum crystals of molecular deuterium inside carbon nanotubes. Carbon, 2021, 175, 141-154.	5.4	5
589	Dynamics of Emim ⁺ in [Emim][TFSI]/LiTFSI Solutions as Bulk and under Confinement in a Quasi-liquid Solid Electrolyte. Journal of Physical Chemistry B, 2021, 125, 5443-5450.	1.2	8
590	Insertion of VIV Ions into the Polyoxotungstate Archetype $\{As_4W_{40}\}$. Inorganic Chemistry, 2021, 60, 8437-8441.	1.9	4
591	Melittin exerts opposing effects on short- and long-range dynamics in bicontinuous microemulsions. Journal of Colloid and Interface Science, 2021, 590, 94-102.	5.0	2
592	Ferromagnetic supramolecular metal-organic frameworks for active capture and magnetic sensing of emerging drug pollutants. Cell Reports Physical Science, 2021, 2, 100421.	2.8	9
593	Uncovering design principles for amorphous-like heat conduction using two-channel lattice dynamics. Materials Today Physics, 2021, 18, 100344.	2.9	42
594	Dinuclear Nickel(II) and Copper(II) Complexes of 8-Quinoline-1-H-pyrazole-3-carboxamide: Crystal Structure, Magnetic Properties, and DFT Calculations. European Journal of Inorganic Chemistry, 2021, 2021, 1786-1795.	1.0	4

#	ARTICLE	IF	CITATIONS
595	Contrasting Effects of FA Substitution on MA/FA Rotational Dynamics in FA ₃ MA ₁ Pb ₃ . Journal of Physical Chemistry C, 2021, 125, 13666-13676.	1.5	7
596	Monopolar and dipolar relaxation in spin ice Ho ₂ Ti ₂ O ₇ . Science Advances, 2021, 7, .	4.7	4
597	Applying Unconventional Spectroscopies to the Single-Molecule Magnets, Co(PPh ₃) ₂ X ₂ (X=Cl, Br, I): Unveiling Magnetic Transitions and Spin-Phonon Coupling. Chemistry - A European Journal, 2021, 27, 11110-11125.	1.7	21
598	Methanol dynamics in H-ZSM-5 with Si/Al ratio of 25: a quasi-elastic neutron scattering (QENS) study. Topics in Catalysis, 2021, 64, 699-706.	1.3	9
599	Stiffening Effect of the [Bmim][Cl] Ionic Liquid on the Bending Dynamics of DMPC Lipid Vesicles. Journal of Physical Chemistry B, 2021, 125, 7241-7250.	1.2	16
600	Neutron thermalization in nuclear graphite: A modern story of a classic moderator. Annals of Nuclear Energy, 2021, 161, 108437.	0.9	4
601	Soft-mode dynamics in the ferroelectric phase transition of GeTe. Npj Computational Materials, 2021, 7, .	3.5	11
602	Promoting Persistent Superionic Conductivity in Sodium Monocarba-closo-dodecaborate NaCB ₁₁ H ₁₂ via Confinement within Nanoporous Silica. Journal of Physical Chemistry C, 2021, 125, 16689-16699.	1.5	20
603	Coupled spin waves and crystalline electric field levels in candidate multiferroic ErFeO ₃ . Journal of Applied Physics, 2021, 130, .	1.1	6
604	Impact of further-range exchange and cubic anisotropy on magnetic excitations in the fcc kagome antiferromagnet IrMn ₃ . Physical Review B, 2021, 104, .	1.1	2
605	Assessing Diffusion Relaxation of Interlayer Water in Clay Minerals Using a Minimalist Three-Parameter Model. Journal of Physical Chemistry C, 2021, 125, 15085-15093.	1.5	8
606	Intense ferromagnetic fluctuations preceding magnetoelastic first-order transitions in giant magnetocaloric $\text{La}_{0.9}\text{Fe}_2$. Physical Review Materials, 2021, 5, .		
607	Magnetic structure, excitations and short-range order in honeycomb Na ₂ Ni ₂ TeO ₆ . Journal of Physics Condensed Matter, 2021, 33, 375803.	0.7	3
608	Low-energy spin dynamics in rare-earth perovskite oxides. Journal of Physics Condensed Matter, 2021, 33, 403001.	0.7	8
609	Activated Transport in Polymer Grafted Nanoparticle Melts. Macromolecules, 2021, 54, 6968-6974.	2.2	12
610	Ethereal Hydroperoxides: Powerful Reagents for S-Oxygenation of Bridging Thiophenolate Functions. Inorganic Chemistry, 2021, 60, 13517-13527.	1.9	1
611	Low rotational barriers for the most dynamically active methyl groups in the proposed antiviral drugs for treatment of SARS-CoV-2, apilimod and tetrandrine. Chemical Physics Letters, 2021, 777, 138727.	1.2	9
612	Conformational dynamics of a multidomain protein by neutron scattering and computational analysis. Biophysical Journal, 2021, 120, 3341-3354.	0.2	8

#	ARTICLE	IF	CITATIONS
613	Helical Homometallic Trinickel String Complexes with Mixed Hard Nitrogen and Sulfur Donors: Structural and Magnetic Studies. Bulletin of the Chemical Society of Japan, 2021, 94, 2092-2099.	2.0	2
614	Relationship between Viscosity and Acyl Tail Dynamics in Lipid Bilayers. Physical Review Letters, 2021, 127, 078102.	2.9	22
615	Decay and renormalization of a longitudinal mode in a quasi-two-dimensional antiferromagnet. Nature Communications, 2021, 12, 5331.	5.8	11
616	Antiferromagnetic Kitaev interaction in $J_{\text{eff}} = 1/2$ cobalt honeycomb materials $\text{Na}_3\text{Co}_2\text{SbO}_6$ and $\text{Na}_2\text{Co}_2\text{TeO}_6$. Journal of Physics Condensed Matter, 2022, 34, 045802.	0.7	50
617	Structural and dynamic studies of $\text{Pr}(\text{1BH4})_3$. International Journal of Hydrogen Energy, 2021, 46, 32126-32134.	3.8	2
618	Phase diagram of YbZnGaO_4 in applied magnetic field. Npj Quantum Materials, 2021, 6, .	1.8	7
619	Intramolecular structure and dynamics in computationally designed peptide-based polymers displaying tunable chain stiffness. Physical Review Materials, 2021, 5, .	0.9	1
620	Colloid-like solution behavior of computationally designed coiled coil bundlemers. Journal of Colloid and Interface Science, 2022, 606, 1974-1982.	5.0	3
621	Effects of aluminum content on thermoelectric performance of Al CoCrFeNi high-entropy alloys. Journal of Alloys and Compounds, 2021, 883, 160811.	2.8	12
622	Mictomagnetism and suppressed thermal conduction of the prototype high-entropy alloy CrMnFeCoNi . Journal of Materials Science and Technology, 2022, 99, 55-60.	5.6	6
623	Magnetic exchange interactions in the van der Waals layered antiferromagnet $\text{Mn}_2\text{P}_2\text{Se}_3$. Physical Review B, 2021, 103, .	1.1	26
624	Collective dynamics in lipid membranes containing transmembrane peptides. Soft Matter, 2021, 17, 5671-5681.	1.2	10
625	Vacancy ordering in $\text{Pd}_{11}\text{Bi}_2\text{Se}_2$ - Crystal structure and properties. Journal of Alloys and Compounds, 2018, 735, 1914-1920.	2.8	5
626	1,3-Bis(1-methyl-1H-tetrazol-5-yl)propane and its coordination polymers with Cu_2Cl_4 and Cu_3Cl_6 units. Polyhedron, 2020, 190, 114793.	1.0	4
628	Neutron Spin-Echo Studies of the Structural Relaxation of Network Liquid ZnCl_2 at the Structure Factor Primary Peak and Prepeak. Journal of Physical Chemistry Letters, 2021, 12, 392-398.	2.1	5
629	Cationic, Anionic, and Amphoteric Dual pH/Temperature-Responsive Degradable Microgels via Self-Assembly of Functionalized Oligomeric Precursor Polymers. Macromolecules, 2021, 54, 351-363.	2.2	15
630	Structure and properties of densified silica glass: characterizing the order within disorder. NPC Asia Materials, 2020, 12, .	3.8	57
631	Structures and paramagnetism of five heterometallic pentanuclear metal strings containing as many as four different metals: $\text{NiPtCo}_2\text{Pd}(\text{tpda})_4\text{Cl}_2$. Dalton Transactions, 2020, 49, 7299-7303.	1.6	12

#	ARTICLE	IF	CITATIONS
632	Temporally decoherent and spatially coherent vibrations in metal halide perovskites. Physical Review B, 2020, 102, .	1.1	7
633	Evidence of molecular hydrogen trapped in two-dimensional layered titanium carbide-based MXene. Physical Review Materials, 2017, 1, .	0.9	21
634	Influence of humidity on performance and microscopic dynamics of an ionic liquid in supercapacitor. Physical Review Materials, 2017, 1, .	0.9	15
635	Frustrated ground state in the metallic Ising antiferromagnet Nd ₂ Ni ₂ In. Physical Review Materials, 2017, 1, .	0.9	3
636	Temperature dependence of phonons in FeGe ₂ . Physical Review Materials, 2018, 2, .	0.9	9
637	Physical properties of the trigonal binary compound Nd_2O_3 . Physical Review Materials, 2018, 2, .	0.9	9
638	Modification of spin-ice physics in Ho_7 thin films. Physical Review Materials, 2019, 3, .	0.9	7
639	Ionic liquid dynamics in nanoporous carbon: A pore-size- and temperature-dependent neutron spectroscopy study on supercapacitor materials. Physical Review Materials, 2020, 4, .	0.9	13
640	Magnetic-field and composition tuned antiferromagnetic instability in the quantum spin-liquid candidate NaYb_2O_4 . Physical Review Materials, 2020, 4, .	0.9	11
641	and reorientational dynamics in NH_4BH_4 . Physical Review Materials, 2020, 4, .	0.9	10
642	Temperature-dependent lattice dynamics in iridium. Physical Review Materials, 2020, 4, .	0.9	8
643	Efficient Parallel Levenberg-Marquardt Model Fitting towards Real-Time Automated Parametric Imaging Microscopy. PLoS ONE, 2013, 8, e76665.	1.1	19
644	TRACING SLOW WINDS FROM T TAURI STARS VIA LOW-VELOCITY FORBIDDEN LINE EMISSION. Astrophysical Journal, 2016, 831, 169.	1.6	103
645	Quasielastic neutron scattering study on proton dynamics assisted by water and ammonia molecules confined in MIL-53. Structural Dynamics, 2021, 8, 054501.	0.9	1
646	Neutron scattering study of the kagome metal Sc_2O_3 . Physical Review B, 2021, 104, .	1.3	1
647	Quasielastic Neutron Scattering Study on the Dynamics of Polymer Nanocomposites. Hamon, 2014, 24, 186-189.	0.0	0
648	Ion Conducting Behavior in Secondary Battery Materials Detected by Quasi-elastic Neutron Scattering Measurements. Hamon, 2014, 24, 6-10.	0.0	0
649	In-situ Neutron Scattering as a Grand Opportunity for Caloric Materials Research: A Case Study of Colossal Barocaloric Effects. Hamon, 2020, 30, 98-101.	0.0	0

#	ARTICLE	IF	CITATIONS
650	In situ examination of engineered local additives in cement paste via neutron based scattering techniques. <i>Construction and Building Materials</i> , 2020, 243, 118175.	3.2	2
651	Effect of gold nanoparticle incorporation into oil-swollen surfactant lamellar membranes. <i>Structural Dynamics</i> , 2020, 7, 065102.	0.9	2
652	Low-Temperature Rotational Tunneling of Tetrahydroborate Anions in Lithium Benzimidazolate-Borohydride Li(bIm)BH. <i>Journal of Physical Chemistry C</i> , 2019, 123, .	1.5	0
653	Fast Na diffusion and anharmonic phonon dynamics in superionic Na ₃ PS ₄ . <i>Energy and Environmental Science</i> , 2021, 14, 6554-6563.	15.6	36
654	Low Frequency Vibrations and Diffusion in Disordered Polymers Bearing an Intrinsic Microporosity as Revealed by Neutron Scattering. <i>Crystals</i> , 2021, 11, 1482.	1.0	2
655	Structural and Dynamical Roles of Bound Polymer Chains in Rubber Reinforcement. <i>Macromolecules</i> , 2021, 54, 11032-11046.	2.2	17
656	Magnetic and structural properties of the intermetallic Ce(1-x)LaxCrGe ₃ series of compounds. <i>Physical Review Materials</i> , 2021, 5, .	0.9	2
657	Evolution of microscopic heterogeneity and dynamics in choline chloride-based deep eutectic solvents. <i>Nature Communications</i> , 2022, 13, 219.	5.8	42
658	Dynamics of molecular associates in methanol/water mixtures. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2287-2299.	1.3	2
659	Correlating Broadband Photoluminescence with Structural Dynamics in Layered Hybrid Halide Perovskites. <i>Journal of the American Chemical Society</i> , 2022, 144, 1313-1322.	6.6	37
660	Local and nanoscale methanol mobility in different H-FER catalysts. <i>Catalysis Science and Technology</i> , 2022, 12, 1663-1677.	2.1	2
661	A super-resolution technique to analyze single-crystal inelastic neutron scattering measurements using direct-geometry chopper spectrometers. <i>Review of Scientific Instruments</i> , 2022, 93, 025101.	0.6	5
662	Dynamically disordered hydrogen bonds in the hureaulite-type phosphatic oxyhydroxide Mn ₅ [(PO ₄) ₂ (PO ₃ (OH)) ₂](HOH) ₄ . <i>Journal of Chemical Physics</i> , 2022, 156, 094502.	1.2	0
663	Influence of vanillic acid immobilization in Nafion membranes on intramembrane diffusion and structural properties. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10069-10078.	1.3	3
664	Measurement of enthalpies and entropies of activation as a function of pairwise distance for the pairwise relative diffusion of Sr ₂ in water over lengthscales from 6 Å... to 40 Å... <i>New Journal of Chemistry</i> , 2022, 46, 6174-6184.	1.4	0
665	Experimental Evidence of Slow Mode Water in the Vicinity of Poly(ethylene oxide) at Physiological Temperature. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1758-1767.	1.2	11
666	Kohn anomaly and elastic softening in body-centered cubic molybdenum at high pressure. <i>Physical Review B</i> , 2022, 105, .	1.1	1
667	Lattice and magnetic dynamics in the YVO_3 Mott insulator studied by neutron scattering and first-principles calculations. <i>Physical Review B</i> , 2022, 105, .	1.1	1

#	ARTICLE	IF	CITATIONS
668	Three-Dimensional Supramolecular Architectures with Mn ^{II} Ions Assembled from Hydrogen Bonding Interactions: Crystal Structures and Antiferromagnetic Properties. ACS Omega, 2022, 7, 10022-10028.	1.6	1
669	Synthesis and magnetic properties of two cobalt-coordination polymers containing 1,10-phenanthroline and alkyl dicarboxylates ligands. Journal of Molecular Structure, 2022, 1261, 132820.	1.8	3
670	Spin dynamics of the spin-chain antiferromagnet $RbFeS_2$. Physical Review B, 2021, 104, .	1.1	1
671	Melting and Re-Freezing Leads to Irreversible Changes in the Morphology and Molecular-Level Dynamics of Pfizer-BioNTech COVID-19 Vaccine. Medicina (Lithuania), 2021, 57, 1343.	0.8	2
672	Dynamics of Water and Other Molecular Liquids Confined Within Voids and on Surface of Lignin Aggregates in Aging Bio Crude Oils. Frontiers in Chemistry, 2021, 9, 753958.	1.8	1
673	Uncovering the hydride ion diffusion pathway in barium hydride via neutron spectroscopy. Scientific Reports, 2022, 12, 6194.	1.6	4
674	Interactions, Diffusion, and Membrane Fluctuations in Concentrated Unilamellar Lipid Vesicle Solutions. Frontiers in Physics, 2022, 10, .	1.0	4
675	Q-dependent collective relaxation dynamics of glass-forming liquid Ca _{0.4} K _{0.6} (NO ₃) _{1.4} investigated by wide-angle neutron spin-echo. Nature Communications, 2022, 13, 2092.	5.8	5
676	Influence of the Halide Ion on the A-Site Dynamics in FAPb ₃ (<i>X</i> = Br and Cl). Journal of Physical Chemistry C, 2022, 126, 7158-7168.	1.5	6
677	Effect of encapsulated protein on the dynamics of lipid sponge phase: a neutron spin echo and molecular dynamics simulation study. Nanoscale, 2022, , .	2.8	5
678	Vibrational properties of $HrVO_2$ with large spin-phonon coupling. Physical Review Materials, 2022, 6, .	0.9	0
679	Ultrasensitive barocaloric material for room-temperature solid-state refrigeration. Nature Communications, 2022, 13, 2293.	5.8	23
680	Probing the Link between Pancreatistatin and Mitochondrial Apoptosis through Changes in the Membrane Dynamics on the Nanoscale. Molecular Pharmaceutics, 2022, 19, 1839-1852.	2.3	4
681	Magnetic order and exchange coupling in the frustrated diamond-lattice antiferromagnet $MnSc_2$. Physical Review B, 2022, 105, .	1.1	0
682	Optimization and inference of bin widths for histogramming inelastic neutron scattering spectra. Journal of Applied Crystallography, 2022, 55, 533-543.	1.9	0
683	Machine learning prediction of glass transition temperature of conjugated polymers from chemical structure. Cell Reports Physical Science, 2022, 3, 100911.	2.8	18
684	Turning Molecular Springs into Nano-Shock Absorbers: The Effect of Macroscopic Morphology and Crystal Size on the Dynamic Hysteresis of Water Intrusion/Extrusion into/from Hydrophobic Nanopores. ACS Applied Materials & Interfaces, 2022, 14, 26699-26713.	4.0	10
685	Water dynamics in human cancer and non-cancer tissues. Physical Chemistry Chemical Physics, 0, , .	1.3	4

#	ARTICLE	IF	CITATIONS
686	Experimental realization of one dimensional helium. Nature Communications, 2022, 13, .	5.8	6
687	Cold neutron triple-axis spectrometer (Cold TAS) at HANARO. Journal of Instrumentation, 2022, 17, T06004.	0.5	0
688	Confinement Effects in Dynamics of Ionic Liquids with Polymer-Grafted Nanoparticles. ChemPhysChem, 0, , .	1.0	2
689	Unprecedented Ferromagnetic Exchange Coupling of a Square-Planar Cu ₄ O unit in a scu-Type Porous Metal-Organic Framework and Its Reticular Chemistry. Crystal Growth and Design, 0, , .	1.4	0
690	Donor-Acceptor Conjugated Copolymers Containing Transition-Metal Complex: Intrachain Magnetic Exchange Interactions and Magneto-Optical Activity. Chemistry of Materials, 0, , .	3.2	2
691	Metal replacement in the syntheses of $M^A M^B M^C$ heterometallic metal-organic complexes: $MPdM'(dpa)_4 Cl_2$. Journal of the Chinese Chemical Society, 0, , .	0.8	0
692	NaCo ₂ (SeO ₃) ₂ (OH): competing magnetic ground states of a new sawtooth structure with 3d ⁷ Co ²⁺ ions. Inorganic Chemistry Frontiers, 2022, 9, 4329-4340.	3.0	5
693	Diffusive Dynamic Modes of Recombinant Squid Ring Teeth Proteins by Neutron Spectroscopy. Biomacromolecules, 2022, 23, 3165-3173.	2.6	4
694	Study of the water dynamics near hydrophilic, nanostructured CuO surfaces by quasielastic and inelastic neutron scattering. AIP Advances, 2022, 12, 065124.	0.6	0
695	Electrostatic Repulsion Slows Relaxations of Polyelectrolytes in Semidilute Solutions. ACS Macro Letters, 2022, 11, 854-860.	2.3	6
696	Microscopic diffusion in cationic vesicles across different phases. Physical Review Materials, 2022, 6, .	0.9	3
697	Quantum Effect on the Ground State of the Triple-Perovskite Ba ₃ MNb ₂ O ₉ (M = Co, Ni, and Mn) with Triangular-Lattice. Chemistry of Materials, 0, , .	3.2	3
698	Curcumin Accelerates the Lateral Motion of DPPC Membranes. Langmuir, 2022, 38, 9649-9659.	1.6	3
699	Modern Trends in Neutron Scattering Instrument Technologies. Instruments, 2022, 6, 22.	0.8	4
700	Exceptionally Fast Ion Diffusion in Block Copolymer-Based Porous Carbon Fibers. ACS Applied Materials & Interfaces, 2022, 14, 36980-36986.	4.0	2
701	Gaps in topological magnon spectra: Intrinsic versus extrinsic effects. Physical Review B, 2022, 106, .	1.1	11
702	The bending rigidity of the red blood cell cytoplasmic membrane. PLoS ONE, 2022, 17, e0269619.	1.1	14
703	Towards understanding the magnetic properties of the breathing pyrochlore compound Ba ₃ Yb ₂ Zn ₅ O ₁₁ through single-crystal studies. Npj Quantum Materials, 2022, 7, .	1.8	10

#	ARTICLE	IF	CITATIONS
704	Spin fluctuations in the 112-type iron-based superconductor $\text{Ca}_{0.82}\text{La}_{0.18}\text{Fe}_{0.96}\text{Ni}_{0.04}\text{As}_2$. Journal of Physics Condensed Matter, 2022, 34, 474001.	0.7	0
705	Excitations in the Ordered and Paramagnetic States of Honeycomb Magnet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \text{Na} / \text{mml:mi} \rangle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \langle \text{mml:m} \text{2} / \text{mml:m} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$. Physical Review Letters, 2022, 129, .	2.9	20
706	Understanding curing dynamics of arylacetylene and phthalonitrile thermoset blends. Journal of Polymer Science, 0, , .	2.0	2
707	Influence of Inorganic Layer Thickness on Methylammonium Dynamics in Hybrid Perovskite Derivatives. Chemistry of Materials, 2022, 34, 8316-8323.	3.2	4
708	Influence of CO_2 on Nanoconfined Water in a Clay Mineral. Journal of Physical Chemistry C, 2022, 126, 17243-17254.	1.5	7
709	Hydrogen Dynamics in Hydrated Chitosan by Quasi-Elastic Neutron Scattering. Bioengineering, 2022, 9, 599.	1.6	1
710	Partial breakdown of translation symmetry at a structural quantum critical point associated with a ferroelectric soft mode. Physical Review B, 2022, 106, .	1.1	1
711	Investigating porous catalysts with synchrotron X-rays and neutrons. Chem Catalysis, 2022, 2, 3290-3303.	2.9	2
712	Li-Ion Diffusion Correlations in LiAlGeO_4 : Quasielastic Neutron Scattering and Ab Initio Simulation. ACS Applied Energy Materials, 2022, 5, 14119-14126.	2.5	1
713	A chiral alkali metal capped Ni_4 cubane complex: Synthesis, structure, magnetic and catalytic bromination studies. Journal of Molecular Structure, 2023, 1274, 134412.	1.8	0
714	Efficient data reduction for time-of-flight neutron scattering experiments on single crystals. Journal of Applied Crystallography, 2022, 55, 1514-1527.	1.9	2
715	Spin dynamics and exchange interaction in orthoferrite $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \langle \text{mml:mi} \text{TbFeO} / \text{mml:mi} \rangle \langle \text{mml:m} \text{3} / \text{mml:m} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$ with non-Kramers rare-earth ion. Physical Review B, 2022, 106, .	2.5	2
716	ICE-MAN the Integrated Computational Environment for Modeling and Analysis for Neutrons at ORNL. EPJ Web of Conferences, 2022, 272, 01013.	0.1	0
717	Lateral diffusion of lipids in the DMPC membrane across the anomalous melting regime: effects of NaCl. Soft Matter, 2022, 19, 57-68.	1.2	0
718	Local conformations and heterogeneities in structures and dynamics of isotactic polypropylene adsorbed onto carbon fiber. Polymer, 2023, 265, 125584.	1.8	2
719	The effect of Si/Al ratio on local and nanoscale water diffusion in H-ZSM-5: A quasielastic neutron scattering and molecular dynamics simulation study. Microporous and Mesoporous Materials, 2023, 348, 112391.	2.2	2
720	Maximizing ion dynamics and electrochemical performance of ionic liquid-acetonitrile electrolyte in $\text{Ti}_3\text{C}_2\text{T}_x$ MXene. 2D Materials, 2023, 10, 014014.	2.0	1
721	Side Chain Dynamics of Poly(norbornene)- <i>g</i> -Poly(propylene oxide) Bottlebrush Polymers. Macromolecular Rapid Communications, 2023, 44, .	2.0	1

#	ARTICLE	IF	CITATIONS
722	Phason-Dominated Thermal Transport in Fresnoite. <i>Physical Review Letters</i> , 2022, 129, .	2.9	4
723	Two-dimensional quantum universality in the spin-1/2 triangular-lattice quantum antiferromagnet $\text{Na}_2\text{BaCo}(\text{PO}_4)_2$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	5
724	Magnetic excitation linking quasi-one-dimensional Chevrel-type selenide and arsenide superconductors. <i>Physical Review Materials</i> , 2022, 6, .	0.9	1
725	Magnetic molecular orbitals in MnSi. <i>Science Advances</i> , 2023, 9, .	4.7	2
726	Nanoscale Bending Dynamics in Mixed-Chain Lipid Membranes. <i>Symmetry</i> , 2023, 15, 191.	1.1	1
727	Understanding temperature-dependent SU(3) spin dynamics in the N^{p}_1 antiferromagnet $\text{Ba}_2\text{FeSi}_2\text{O}_7$. <i>Npj Quantum Materials</i> , 2023, 8, .	1.8	4
728	Experimental evidence for the significance of optical phonons in thermal transport of tin monosulfide. <i>New Journal of Physics</i> , 0, , .	1.2	0
729	An in solution adsorption characterization technique based on the response to an external magnetic field of porous paramagnetic materials: application on supramolecular metal-adenine frameworks containing heterometallic heptameric clusters. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2250-2261.	3.0	1
731	Structure-Dynamics Interrelation Governing Charge Transport in Cosolvated Acetonitrile/LiTFSI Solutions. <i>Journal of Physical Chemistry B</i> , 2023, 127, 308-320.	1.2	2
732	A database of synthetic inelastic neutron scattering spectra from molecules and crystals. <i>Scientific Data</i> , 2023, 10, .	2.4	1
733	Experimental and Modeling Studies of Local and Nanoscale <i>para</i> -Cresol Behavior: A Comparison of Classical Force Fields. <i>Journal of Physical Chemistry A</i> , 2023, 127, 3305-3316.	1.1	1
734	Effect of starch retrogradation on molecular dynamics of cooked rice by quasi-elastic neutron scattering. <i>Food Hydrocolloids</i> , 2023, 141, 108728.	5.6	3
735	Dicopper(II) complexes with N3,N4-bridging 1-alkyltetrazoles: Synthesis, crystal structure, magnetic and thermodynamic properties. <i>Journal of Solid State Chemistry</i> , 2023, 321, 123876.	1.4	1
736	Data Reduction. , 2020, , 84-104.		0
737	Thermal batteries based on inverse barocaloric effects. <i>Science Advances</i> , 2023, 9, .	4.7	7
738	Thermal Polymorphism in CsCB11H12. <i>Molecules</i> , 2023, 28, 2296.	1.7	1
739	Different Dynamic Behavior of Methyl Groups in Crystalline Carbimazole as Revealed by a Multitechnique Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2023, 127, 5186-5196.	1.5	0
740	Quasi-one-dimensional Ising-like antiferromagnetism in the rare-earth perovskite oxide TbScO_3 . <i>Physical Review Materials</i> , 2023, 7, .		

#	ARTICLE	IF	CITATIONS
741	Zero-point motion of liquid and solid hydrogen. <i>Physical Review B</i> , 2023, 107, .	1.1	2
742	Lone Pair Rotation and Bond Heterogeneity Leading to Ultralow Thermal Conductivity in Aikinite. <i>Journal of the American Chemical Society</i> , 2023, 145, 9313-9325.	6.6	10
743	The nature of dynamic local order in CH ₃ NH ₃ PbI ₃ and CH ₃ NH ₃ PbBr ₃ . <i>Joule</i> , 2023, 7, 1051-1066.	11.7	14
744	Search for a Grotthuss mechanism through the observation of proton transfer. <i>Communications Chemistry</i> , 2023, 6, .	2.0	13
745	Neutron Scattering (NS) Spectroscopy. <i>Springer Handbooks</i> , 2023, , 493-516.	0.3	0
781	Sample Environment of the HRC Spectrometer at J-PARC. , 2024, , .		0