

Jacques Ollivier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8524946/publications.pdf>

Version: 2024-02-01

162
papers

4,381
citations

87843

38
h-index

149623

56
g-index

171
all docs

171
docs citations

171
times ranked

5344
citing authors

#	ARTICLE	IF	CITATIONS
1	Kapellasite: A Kagome Quantum Spin Liquid with Competing Interactions. <i>Physical Review Letters</i> , 2012, 109, 037208.	2.9	201
2	Proton Transport in a Highly Conductive Porous Zirconium-Based Metal-Organic Framework: Molecular Insight. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3919-3924.	7.2	152
3	Quantum rotation of <i>ortho</i> and <i>para</i> -water encapsulated in a fullerene cage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12894-12898.	3.3	135
4	Observation of magnetic fragmentation in spin ice. <i>Nature Physics</i> , 2016, 12, 746-750.	6.5	117
5	Spin dynamics of molecular nanomagnets unravelled at atomic scale by four-dimensional inelastic neutron scattering. <i>Nature Physics</i> , 2012, 8, 906-911.	6.5	108
6	Direct measurement of individual phonon lifetimes in the clathrate compound Ba _{7.81} Ge _{40.67} Au _{5.33} . <i>Nature Communications</i> , 2017, 8, 491.	5.8	89
7	Combining structure and dynamics: non-denaturing high-pressure effect on lysozyme in solution. <i>Journal of the Royal Society Interface</i> , 2009, 6, S619-34.	1.5	86
8	Intracrystalline Transport Resistances in Nanoporous Zeolite X. <i>ChemPhysChem</i> , 2009, 10, 2429-2433.	1.0	85
9	Magnetoelastic Excitations in the Pyrochlore Spin Liquid Tb_2O_7 . <i>Physical Review Letters</i> , 2014, 112, 017203.	2.9	85
10	A Complete Separation of Hexane Isomers by a Functionalized Flexible Metal Organic Framework. <i>Advanced Functional Materials</i> , 2014, 24, 7666-7673.	7.8	81
11	Long-range order and spin-liquid states of polycrystalline Tb_2O_7 . <i>Physical Review Letters</i> , 2014, 112, 017203.	1.1	76
12	Observation of Exceptionally Strong Binding of Molecular Hydrogen in a Porous Material: A Formation of an H_2 -Complex in a Cu-Exchanged ZSM-5 Zeolite. <i>Journal of the American Chemical Society</i> , 2007, 129, 8086-8087.	6.6	69
13	Experimental signatures of emergent quantum electrodynamics in $\text{Pr}_2\text{Hf}_2\text{O}_7$. <i>Nature Physics</i> , 2018, 14, 711-715.	6.5	62
14	INS Cold Neutron Time-of-Flight Spectrometer, Prepared to Tackle Single Crystal Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2011, 80, SB003.	0.7	60
15	Symmetry-breaking in the endofullerene $\text{H}_2\text{O}@C_{60}$ revealed in the quantum dynamics of ortho and para-water: a neutron scattering investigation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21330-21339.	1.3	59
16	Nanostructure and Transport Properties of Proton Conducting Self-Assembled Perfluorinated Surfactants: A Bottom-Up Approach toward PFSA Fuel Cell Membranes. <i>Macromolecules</i> , 2015, 48, 6166-6176.	2.2	57
17	Combined Experimental and Computational Study of Oxide Ion Conduction Dynamics in $\text{Sr}_2\text{Fe}_2\text{O}_5$ Brownmillerite. <i>Chemistry of Materials</i> , 2013, 25, 3080-3087.	3.2	55
18	A quantum liquid of magnetic octupoles on the pyrochlore lattice. <i>Nature Physics</i> , 2020, 16, 546-552.	6.5	54

#	ARTICLE	IF	CITATIONS
19	New sources and instrumentation for neutrons in biology. <i>Chemical Physics</i> , 2008, 345, 133-151.	0.9	53
20	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
21	Multi-component modeling of quasielastic neutron scattering from phospholipid membranes. <i>Journal of Chemical Physics</i> , 2014, 140, 174901.	1.2	52
22	Intense low-energy ferromagnetic fluctuations in the antiferromagnetic heavy-fermion metal CeB ₆ . <i>Nature Materials</i> , 2014, 13, 682-687.	13.3	50
23	Direct evidence of weakly dispersed and strongly anharmonic optical phonons in hybrid perovskites. <i>Communications Physics</i> , 2020, 3, .	2.0	49
24	Anisotropic Propagating Excitations and Quadrupolar Effects in Tb_2O_7 . <i>Physical Review Letters</i> , 2013, 111, 087201.	2.9	48
25	Haydeite: A spin-ferromagnet. <i>Physical Review B</i> , 2015, 91, .	1.4	48
26	Enhanced ionic liquid mobility induced by confinement in 1D CNT membranes. <i>Nanoscale</i> , 2016, 8, 7845-7848.	2.8	48
27	Portraying entanglement between molecular qubits with four-dimensional inelastic neutron scattering. <i>Nature Communications</i> , 2017, 8, 14543.	5.8	48
28	Water hydrogen bond analysis on hydrophilic and hydrophobic biomolecule sites. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4968.	1.3	47
29	Inelastic neutron scattering investigations of the quantum molecular dynamics of a H_2 molecule entrapped inside a fullerene cage. <i>Physical Review B</i> , 2012, 85, .	1.1	45
30	High protein flexibility and reduced hydration water dynamics are key pressure adaptive strategies in prokaryotes. <i>Scientific Reports</i> , 2016, 6, 32816.	1.6	45
31	Parity-Broken Chiral Spin Dynamics in $NbFeO_3$. <i>Physical Review Letters</i> , 2011, 106, 207201.	2.9	44
32	Quadrupole Order in the Frustrated Pyrochlore Ti_2O_7 . <i>Physical Review Letters</i> , 2016, 116, 217201.	2.9	44
33	$Pr_2Zr_7O_{14}$. <i>Physical Review B</i> , 2016, 94, .	1.1	44
34	Translational and Reorientational Dynamics of an Imidazolium-Based Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2503-2507.	2.1	43
35	Gaining Insights on the H_2 Sorbent Interactions: Robust soc-MOF Platform as a Case Study. <i>Chemistry of Materials</i> , 2016, 28, 7353-7361.	3.2	43
36	Experimental and Simulation Evidence of a Corkscrew Motion for Benzene in the Metal-Organic Framework MIL-47. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15093-15098.	1.5	40

#	ARTICLE	IF	CITATIONS
37	A benchmark for protein dynamics: Ribonuclease A measured by neutron scattering in a large wavevector-energy transfer range. Chemical Physics, 2008, 345, 305-314.	0.9	39
38	Order by disorder or energetic selection of the ground state in the antiferromagnet $\text{Er}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2014, 90, .	1.1	38
39	Diffusion of Benzene in the Breathing Metal-Organic Framework MIL-53(Cr): A Joint Experimental-Computational Investigation. Journal of Physical Chemistry C, 2015, 119, 8217-8225.	1.5	38
40	Proton Transport in a Highly Conductive Porous Zirconium-Based Metal-Organic Framework: Molecular Insight. Angewandte Chemie, 2016, 128, 3987-3992.	1.6	37
41	Fragmentation in spin ice from magnetic charge injection. Nature Communications, 2017, 8, 209.	5.8	37
42	Nesting-driven multipolar order in CeB ₆ from photoemission tomography. Nature Communications, 2016, 7, 10876.	5.8	36
43	Uncovering the Rotation and Translational Mobility of Benzene Confined in UiO-66 (Zr) Metal-Organic Framework by the ² H NMR-QENS Experimental Toolbox. Journal of Physical Chemistry C, 2017, 121, 2844-2857.	1.5	35
44	Evidence for a spinon Fermi surface in the triangular quantum spin liquid Sr_2IrO_7 . Physical Review B, 2017, 93, .	1.1	35
45	Coexistence of long- and short-range magnetic order in the frustrated magnet Sr_2IrO_7 . Physical Review B, 2017, 93, .	1.1	34
46	Structural and dynamical properties of reconstituted myelin sheaths in the presence of myelin proteins MBP and P2 studied by neutron scattering. Soft Matter, 2014, 10, 519-529.	1.2	34
47	First results with the upgraded IN5 disk chopper cold time-of-flight spectrometer. Physica B: Condensed Matter, 2004, 350, 173-177.	1.3	33
48	The New Cold Neutron Time-of-Flight Spectrometer IN5. Neutron News, 2010, 21, 22-25.	0.1	33
49	Diffusion of long chain n-alkanes in the metal-organic framework MIL-47(V): A combination of neutron scattering experiments and molecular dynamics simulations. Microporous and Mesoporous Materials, 2012, 164, 259-265.	2.2	33
50	Perfluorinated surfactants as model charged systems for understanding the effect of confinement on proton transport and water mobility in fuel cell membranes. A study by QENS. European Physical Journal: Special Topics, 2010, 189, 205-216.	1.2	32
51	Quantum rotation and translation of hydrogen molecules encapsulated inside C_{60} : temperature dependence of inelastic neutron scattering spectra. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110627.	1.6	32
52	Picosecond to nanosecond dynamics provide a source of conformational entropy for protein folding. Physical Chemistry Chemical Physics, 2016, 18, 21527-21538.	1.3	32
53	Dispersion relation of Landau elementary excitations and thermodynamic properties of superfluid He_4 . Physical Review B, 2021, 103, .	1.1	32
54	The impact of hydration water on the dynamics of side chains of hydrophobic peptides: From dry powder to highly concentrated solutions. Journal of Chemical Physics, 2009, 130, 235101.	1.2	31

#	ARTICLE	IF	CITATIONS
55	Comparison of the dynamics of MIL-53(Cr) and MIL-47(V) frameworks using neutron scattering and DFT methods. <i>European Physical Journal: Special Topics</i> , 2010, 189, 263-271.	1.2	31
56	Vesignieite: An S_2 Kagome Antiferromagnet with Dominant Third-Neighbor Exchange. <i>Physical Review Letters</i> , 2018, 121, 107203.	2.9	31
57	Diffusion of CH_4 in ZIF-8 Studied by Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16115-16120.	1.5	30
58	Fast internal dynamics in alcohol dehydrogenase. <i>Journal of Chemical Physics</i> , 2015, 143, 075101.	1.2	28
59	Studies of a Large Odd-Numbered Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr_8Mn . <i>Chemistry - A European Journal</i> , 2016, 22, 1779-1788.	1.7	27
60	Magnetic relaxation studies on a single-molecule magnet by time-resolved inelastic neutron scattering. <i>Applied Physics Letters</i> , 2006, 88, 042507.	1.5	26
61	Conformational and segmental dynamics in lipid-based vesicles. <i>Soft Matter</i> , 2011, 7, 3929.	1.2	26
62	Experimental Evidence of Selective Heating of Molecules Adsorbed in Nanopores under Microwave Radiation. <i>Physical Review Letters</i> , 2011, 106, 157401.	2.9	26
63	Neutron time-of-flight measurement techniques: new possibilities of TOF spectroscopy with NEAT at BENSC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 449, 322-330.	0.7	25
64	Competing coexisting phases in 2D water. <i>Scientific Reports</i> , 2016, 6, 25938.	1.6	25
65	Symmetry-breaking in the $H_2@C_{60}$ endofullerene revealed by inelastic neutron scattering at low temperature. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1998-2005.	1.3	25
66	Evidence for dynamic kagome ice. <i>Nature Communications</i> , 2018, 9, 3786.	5.8	25
67	Dynamics of water confined in mesopores with variable surface interaction. <i>Journal of Chemical Physics</i> , 2021, 154, 094505.	1.2	25
68	Signature of Low-Dimensional Diffusion in Complex Systems. <i>Physical Review Letters</i> , 2008, 101, 265901.	2.9	24
69	Direct Determination of the Base-Pair Force Constant of DNA from the Acoustic Phonon Dispersion of the Double Helix. <i>Physical Review Letters</i> , 2011, 107, 088102.	2.9	24
70	High hydrostatic pressure specifically affects molecular dynamics and shape of low-density lipoprotein particles. <i>Scientific Reports</i> , 2017, 7, 46034.	1.6	24
71	Inelastic and quasi-elastic neutron scattering. Application to soft-matter. <i>EPJ Web of Conferences</i> , 2018, 188, 05001.	0.1	22
72	Evidence of Dynamical Constraints Imposed by Water Organization around a Bio-Hydrophobic Interface. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2829-2836.	1.2	21

#	ARTICLE	IF	CITATIONS
73	Composite Spin and Quadrupole Wave in the Ordered Phase of $Tb_{2+x}Ti_{2-x}O_{7+y}$. Spin, 2015, 05, 1540003.	0.6	21
74	Anisotropy of Co_{II} transferred to the Cr_7Co polymetallic cluster <i>via</i> strong exchange interactions. Chemical Science, 2018, 9, 3555-3562.	3.7	20
75	Influence of Chloride Substitution on the Rotational Dynamics of Methylammonium in $MAPb_{1-x}Cl_x$ Perovskites. Journal of Physical Chemistry C, 2019, 123, 11436-11446.	1.5	20
76	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
77	Multiscale Water Dynamics in a Fuel Cell by Operando Quasi Elastic Neutron Scattering. Journal of Physical Chemistry C, 2018, 122, 1103-1108.	1.5	19
78	Microscopic dynamics of superfluid He_4 : A comprehensive study by inelastic neutron scattering. Physical Review B, 2018, 97, .	1.1	19
79	Heisenberg Helimagnet S_3 $ZnCr_2$ Physical Review X, 2017, 7, .	2.8	18
80	On the behaviour of water hydrogen bonds at biomolecular sites: Dependences on temperature and on network dimensionality. Journal of Molecular Structure, 2010, 972, 81-86.	1.8	17
81	Helical bunching and symmetry lowering inducing multiferroicity in Fe langasites. Physical Review B, 2016, 93, .	1.1	17
82	Alzheimer's peptide amyloid- β_{22-40} , perturbs lipid dynamics. Soft Matter, 2016, 12, 1444-1451.	1.2	17
83	Proton Diffusion in the Hexafluorophosphoric Acid Clathrate Hydrate. Journal of Physical Chemistry B, 2014, 118, 13357-13364.	1.2	16
84	QENS investigation of proton confined motions in hydrated perfluorinated sulfonic membranes and self-assembled surfactants. EPJ Web of Conferences, 2015, 83, 02002.	0.1	16
85	Superfluid He_4 dynamics beyond quasiparticle excitations. Physical Review B, 2016, 94, .	1.1	16
86	Phonon-roton modes in liquid 4He coincide with Bose-Einstein condensation. Europhysics Letters, 2012, 98, 56008.	0.7	15
87	Molecular dynamics of pyrene based discotic liquid crystals confined in nanopores probed by incoherent quasielastic neutron scattering. RSC Advances, 2014, 4, 59358-59369.	1.7	15
88	Adaptation of Extremophilic Proteins with Temperature and Pressure: Evidence from Initiation Factor 6. Journal of Physical Chemistry B, 2015, 119, 7860-7873.	1.2	15
89	Fragmented monopole crystal, dimer entropy, and Coulomb interactions in Dy_2O_7 . Physical Review Research, 2020, 2, .	1.3	15
90	Dynamics of Methyl Iodide Clathrate Hydrate, Investigated by MD Simulations and QENS Experiments. Journal of Physical Chemistry C, 2011, 115, 12689-12701.	1.5	14

#	ARTICLE	IF	CITATIONS
91	The temperature dependence of the phononic band gap of NaI. Journal of Physics Condensed Matter, 2013, 25, 055403.	0.7	14
92	Spin dynamics in the unconventional multiferroic AgCrS ₂ . Physical Review B, 2013, 87, .	1.1	14
93	Dynamics of a bond-disordered magnet near a quantum critical point. Physical Review B, 2015, 92, .	1.1	14
94	The Effect of Crowding on Protein Stability, Rigidity, and High Pressure Sensitivity in Whole Cells. Langmuir, 2018, 34, 10419-10425.	1.6	14
95	Anomalous water dynamics in brain: a combined diffusion magnetic resonance imaging and neutron scattering investigation. Journal of the Royal Society Interface, 2019, 16, 20190186.	1.5	14
96	Emergent Interacting Spin Islands in a Depleted Strong-Leg Heisenberg Ladder. Physical Review Letters, 2016, 116, 257203.	2.9	13
97	The first study on the impact of osmolytes in whole cells of high temperature-adapted microorganisms. Soft Matter, 2019, 15, 8381-8391.	1.2	13
98	The fluctuating ribosome: thermal molecular dynamics characterized by neutron scattering. Scientific Reports, 2016, 6, 37138.	1.6	12
99	Quantum Dynamics of H ₂ and D ₂ Confined in Hydrate Structures as a Function of Pressure and Temperature. Journal of Physical Chemistry C, 2019, 123, 1888-1903.	1.5	12
100	Spectroscopic investigation of ionizing-radiation tolerance of a Chlorophyceae green micro-alga. Journal of Physics Condensed Matter, 2008, 20, 104216.	0.7	11
101	Tetrahedron dynamics in the icosahedral quasicrystals i-ZnMgSc and i-ZnAgSc and the cubic 1/1-approximant Zn ₆ Sc. Journal of Physics Condensed Matter, 2013, 25, 115405.	0.7	11
102	Elementary excitations in single-chain magnets. Physical Review B, 2017, 96, .	1.1	11
103	Doping-induced redistribution of magnetic spectral weight in the substituted hexaborides Ce _{1-x} La _x B ₆ and Ce _{1-x} Nd _x B ₆ . Physical Review B, 2018, 97, .	1.1	11
104	Spin decoupling under a staggered field in the Gd ₂ O ₇ pyrochlore. Physical Review B, 2019, 99, .	1.1	11
105	Dynamics of Apolipoprotein B-100 in Interaction with Detergent Probed by Incoherent Neutron Scattering. Journal of Physical Chemistry Letters, 2021, 12, 12402-12410.	2.1	11
106	Unravelling low lying phonons and vibrations of carbon nanostructures: The contribution of inelastic and quasi-elastic neutron scattering. European Physical Journal: Special Topics, 2012, 213, 77-102.	1.2	10
107	Diffusion of Branched and Linear C ₆ -Alkanes in the MIL-47(V) Metal-Organic Framework.. Journal of the Physical Society of Japan, 2013, 82, SA005.	0.7	10
108	Field-Angle-Resolved Magnetic Excitations as a Probe of Hidden-Order Symmetry in CeB ₆ . Physical Review X, 2020, 10, .	2.8	10

#	ARTICLE	IF	CITATIONS
109	Insight into Proteinâ€“Polymer Conjugate Relaxation Dynamics: The Importance of Polymer Grafting. <i>Macromolecular Bioscience</i> , 2020, 20, 1900410.	2.1	10
110	Spin Dynamics and Unconventional Coulomb Phase in Nd_2O_7 . <i>Physical Review Letters</i> , 2021, 126, 247201.	1.1	8
111	Dynamics of bound states of dihydrogen at Cu(I) and Cu(II) species coordinated near one and two zeolite framework aluminium atoms: A combined sorption, INS, IR and DFT study. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 26897-26914.	3.8	10
112	Fast ionic mobility in cryolite studied by quasielastic neutron scattering. <i>Solid State Ionics</i> , 2008, 179, 1957-1961.	1.3	9
113	Spin dynamics in highly frustrated pyrochlore magnets. <i>EPJ Web of Conferences</i> , 2015, 83, 03012.	0.1	9
114	Magnetic field dependence of the neutron spin resonance in CeB6. <i>Physical Review B</i> , 2016, 94, .	1.1	9
115	Quantum criticality in a three-dimensional spin system at zero field and pressure. <i>Physical Review B</i> , 2017, 96, .	1.1	9
116	Mobility of a Mononucleotide within a Lipid Matrix: A Neutron Scattering Study. <i>Life</i> , 2017, 7, 2.	1.1	9
117	Continuum Excitation and Pseudospin Wave in Quantum Spin-Liquid and Quadrupole Ordered States of $Tb_2Ti_2O_7$. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 064704.	0.7	9
118	Phonons, rotons, and localized Bose-Einstein condensation in liquid 4He confined in nanoporous FSM-16. <i>Physical Review B</i> , 2019, 99, .	1.1	9
119	Spin correlations of quantum spin liquid and quadrupole-ordered states of Tb_2O_7 . <i>Physical Review B</i> , 2019, 99, .	1.1	8
120	Advanced sources and optical components for the McStas neutron scattering instrument simulation package. <i>Journal of Neutron Research</i> , 2014, 17, 63-74.	0.4	8
121	Molecular Dynamics of POPC Phospholipid Bilayers through the Gel to Fluid Phase Transition: An Incoherent Quasi-Elastic Neutron Scattering Study. <i>Journal of Chemistry</i> , 2017, 2017, 1-8.	0.9	8
122	Magnetoelastic excitation spectrum in the rare-earth pyrochlore Tb_2O_7 . <i>Physical Review B</i> , 2019, 99, .	1.1	8
123	New perspectives on the IN5 time of flight spectrometer. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s305-s307.	1.1	7
124	Formation of collective spins in frustrated clusters. <i>Physical Review B</i> , 2008, 77, .	1.1	7
125	Single Layer Transdermal Film Containing Lidocaine: Water and Lidocaine Mobility Determined using Neutron Scattering. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4277-4284.	1.6	7
126	Lattice dynamics of the icosahedral quasicrystals $i-ZnMgSc$ and $i-ZnAgSc$ and the cubic $1/1$ -approximant Zn_6Sc . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 055402.	0.7	7

#	ARTICLE	IF	CITATIONS
127	Field-induced phase diagram of the XY pyrochlore antiferromagnet Er ₂ Ti ₂ O ₇ . Physical Review B, 2017, 95, .	1.1	7
128	Dynamical properties of water in living cells. Frontiers of Physics, 2018, 13, 1.	2.4	7
129	Temperature-dependent dynamic structure factors for liquid water inferred from inelastic neutron scattering measurements. Journal of Chemical Physics, 2021, 155, 024502.	1.2	7
130	The dynamical Matryoshka model: 2. Modeling of local lipid dynamics at the sub-nanosecond timescale in phospholipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183950.	1.4	7
131	The dynamical Matryoshka model: 3. Diffusive nature of the atomic motions contained in a new dynamical model for deciphering local lipid dynamics. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183949.	1.4	7
132	Resistance to irradiation of micro-algae growing in the storage pools of a nuclear reactor investigated by NMR and neutron spectroscopies. Spectroscopy, 2010, 24, 381-385.	0.8	6
133	Excitations of amorphous solid helium. Physical Review B, 2012, 86, .	1.1	6
134	Modeling the THF clathrate hydrate dynamics by combining molecular dynamics and quasi-elastic neutron scattering. Chemical Physics, 2017, 496, 24-34.	0.9	6
135	Spin waves near the edge of halogen substitution induced magnetic order in $\text{Ni}_{1-x}\text{Mn}_x\text{O}$. Physical Review B, 2018, 98, .		
136	Magnetic properties of transition metal dimers probed by inelastic neutron scattering. Dalton Transactions, 2018, 47, 11953-11959.	1.6	6
137	Diffusion in NiTiZr par temps de vol. , 2010, , .		6
138	Nanometric confinement: Toward new physical properties and technological developments. European Physical Journal: Special Topics, 2012, 213, 129-148.	1.2	5
139	From a one-dimensional crystal to a one-dimensional liquid: A comprehensive dynamical study of C_{60} peapods. Physical Review B, 2013, 87, .	1.1	5
140	Measurement of double differential cross-section of light water at high temperature and pressure to generate $S(\vec{l}, \vec{l}^2)$. EPJ Web of Conferences, 2017, 146, 13006.	0.1	5
141	Brain lateralization probed by water diffusion at the atomic to micrometric scale. Scientific Reports, 2019, 9, 14694.	1.6	5
142	Magnetic excitations in a new anisotropic kagomé antiferromagnet. Physica B: Condensed Matter, 2006, 385-386, 72-74.	1.3	4
143	Molecular dynamics in 1-alkyl-3-methylimidazolium bromide ionic liquids: A reanalysis of quasielastic neutron scattering results. AIP Conference Proceedings, 2018, , .	0.3	4
144	Evolution of the propagation vector of antiferroquadrupolar phases in Ce ₃ Pd ₂₀ Si ₆ under magnetic field. Physical Review B, 2019, 99, .	1.1	4

#	ARTICLE	IF	CITATIONS
145	Unequal sensitivities of energy levels in a high-symmetry Ho ³⁺ complex towards lattice distortions. <i>Chemical Communications</i> , 2022, 58, 7431-7434.	2.2	4
146	Coherent neutron analysis of diffuse scattering in an alkane-urea composite. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 298-299.	1.3	3
147	Absence of strong magnetic fluctuations in FeP-based systems LaFePO and Sr ₂ ScO ₃ FeP. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 425701.	0.7	3
148	Neutron Spin-Echo and TOF Reveals Protein Dynamics in Solution. <i>Journal of the Physical Society of Japan</i> , 2013, 82, SA016.	0.7	3
149	Impact of temperature and mode polarization on the acoustic phonon range in complex crystalline phases: A case study on intermetallic clathrates. <i>Physical Review Research</i> , 2021, 3, .	1.3	3
150	Nitrogen Hydrate Cage Occupancy and Bulk Modulus Inferred from Density Functional Theory-Derived Cell Parameters. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6433-6441.	1.5	3
151	Spin and quadrupole correlations by three-spin interaction in the frustrated pyrochlore magnet Tb _{2+x} Ti _{2-2x} O _{7+y} . <i>Physical Review B</i> , 2022, 105, .	1.1	2
152	Influence of water on the microscopic dynamics of 1-butyl-3-methylimidazolium tetrafluoroborate studied by means of quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2022, 156, 084505.	1.2	2
153	Dynamics of collagen from bovine connective tissues. <i>Physica B: Condensed Matter</i> , 2004, 350, E631-E633.	1.3	1
154	Phonon-lifetimes in demixing systems. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 255401.	0.7	1
155	Search for Light-Induced Intrinsic Localized Modes: Negative Result. <i>Ferroelectrics</i> , 2012, 440, 42-46.	0.3	1
156	Remote crystal alignment at cryogenic temperature for neutron scattering. <i>Journal of Neutron Research</i> , 2017, 19, 27-32.	0.4	1
157	Optimisation of the H16-IN5 replacement guide. <i>Journal of Neutron Research</i> , 2019, 20, 123-126.	0.4	1
158	$\langle L \rangle T$ Scaling in Depleted Quantum Spin Ladders. <i>Physical Review Letters</i> , 2022, 128, .	2.9	1
159	Dynamics of Water and Small Molecules in Bioadhesive Polymer Films. <i>Journal of the Physical Society of Japan</i> , 2013, 82, SA021.	0.7	0
160	Azobenzene-Cholesterol as a Photoactivator in Biomimetic Membranes: 1. Lipid Dynamics. <i>Biophysical Journal</i> , 2017, 112, 75a.	0.2	0
161	Spin correlations of quantum spin liquid and quadrupole-ordered states of Tb Ti O. <i>Physical Review B</i> , 2019, 99, .	1.1	0
162	On the energetics of binding and hydride exchange in the complex as revealed by inelastic neutron scattering and DFT studies. <i>New Journal of Chemistry</i> , 0, , .	1.4	0