Jacques Ollivier

List of Publications by Citations

156 papers	3,386 citations	32 h-index	49 g-index
171 ext. papers	3,953 ext. citations	4.9 avg, IF	5.01 L-index

#	Paper	IF	Citations
156	Kapellasite: a kagome quantum spin liquid with competing interactions. *Physical Review Letters*, **2012**, 109, 037208	7.4	169
155	Proton Transport in a Highly Conductive Porous Zirconium-Based Metal-Organic Framework: Molecular Insight. *Angewandte Chemie - International Edition*, **2016**, 55, 3919-24	16.4	123
154	Quantum rotation of ortho and para-water encapsulated in a fullerene cage. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 12894-8	11.5	117
153	Spin dynamics of molecular nanomagnets unravelled at atomic scale by four-dimensional inelastic neutron scattering. *Nature Physics*, **2012**, 8, 906-911	16.2	87
152	Observation of magnetic fragmentation in spin ice. *Nature Physics*, **2016**, 12, 746-750	16.2	84
151	Combining structure and dynamics: non-denaturing high-pressure effect on lysozyme in solution. *Journal of the Royal Society Interface*, **2009**, 6 Suppl 5, S619-34	4.1	81
150	Intracrystalline transport resistances in nanoporous zeolite X. *ChemPhysChem*, **2009**, 10, 2429-33	3.2	75
149	Magnetoelastic excitations in the pyrochlore spin liquid Tb2Ti2O7. *Physical Review Letters*, **2014**, 112, 017203	7.4	67
148	Long-range order and spin-liquid states of polycrystalline Tb2+xTi2□O7+y. *Physical Review B*, **2013**, 87,	3.3	67
147	Observation of exceptionally strong binding of molecular hydrogen in a porous material: formation of an eta(2)-H(2) complex in a Cu-exchanged ZSM-5 zeolite. *Journal of the American Chemical Society*, **2007**, 129, 8086-7	16.4	64
146	A Complete Separation of Hexane Isomers by a Functionalized Flexible Metal Organic Framework. *Advanced Functional Materials*, **2014**, 24, 7666-7673	15.6	59
145	Direct measurement of individual phonon lifetimes in the clathrate compound BaGeAu. *Nature Communications*, **2017**, 8, 491	17.4	58
144	Vibrational density of states of hydration water at biomolecular sites: hydrophobicity promotes low density amorphous ice behavior. *Journal of the American Chemical Society*, **2011**, 133, 4882-8	16.4	51
143	IN5 Cold Neutron Time-of-Flight Spectrometer, Prepared to Tackle Single Crystal Spectroscopy. *Journal of the Physical Society of Japan*, **2011**, 80, SB003	1.5	51
142	Symmetry-breaking in the endofullerene HD@C60 revealed in the quantum dynamics of ortho and para-water: a neutron scattering investigation. *Physical Chemistry Chemical Physics*, **2014**, 16, 21330-9	3.6	50
141	Nanostructure and Transport Properties of Proton Conducting Self-Assembled Perfluorinated Surfactants: A Bottom-Up Approach toward PFSA Fuel Cell Membranes. *Macromolecules*, **2015**, 48, 6166-6176	5.5	46
140	New sources and instrumentation for neutrons in biology. *Chemical Physics*, **2008**, 345, 133-151	2.3	46

139	Intense low-energy ferromagnetic fluctuations in the antiferromagnetic heavy-fermion metal CeB6. *Nature Materials*, **2014**, 13, 682-7	27	44
138	Combined Experimental and Computational Study of Oxide Ion Conduction Dynamics in Sr2Fe2O5 Brownmillerite. *Chemistry of Materials*, **2013**, 25, 3080-3087	9.6	44
137	Translational and Reorientational Dynamics of an Imidazolium-Based Ionic Liquid. *Journal of Physical Chemistry Letters*, **2010**, 1, 2503-2507	6.4	43
136	Water hydrogen bond analysis on hydrophilic and hydrophobic biomolecule sites. *Physical Chemistry Chemical Physics*, **2008**, 10, 4968-74	3.6	41
135	Inelastic neutron scattering investigations of the quantum molecular dynamics of a H2 molecule entrapped inside a fullerene cage. *Physical Review B*, **2012**, 85,	3.3	39
134	Experimental signatures of emergent quantum electrodynamics in Pr2Hf2O7. *Nature Physics*, **2018**, 14, 711-715	16.2	38
133	Experimental and Simulation Evidence of a Corkscrew Motion for Benzene in the Metal□Organic Framework MIL-47. *Journal of Physical Chemistry C*, **2012**, 116, 15093-15098	3.8	38
132	Enhanced ionic liquid mobility induced by confinement in 1D CNT membranes. *Nanoscale*, **2016**, 8, 7845-8	7.7	38
131	Parity-broken chiral spin dynamics in Ba□NbFe□Si□O□. *Physical Review Letters*, **2011**, 106, 207201	7.4	37
130	A benchmark for protein dynamics: Ribonuclease A measured by neutron scattering in a large wavevector-energy transfer range. *Chemical Physics*, **2008**, 345, 305-314	2.3	37
129	Haydeeite: A spin-12 kagome ferromagnet. *Physical Review B*, **2015**, 91,	3.3	36
128	Order by disorder or energetic selection of the ground state in the XY pyrochlore antiferromagnet Er2Ti2O7: An inelastic neutron scattering study. *Physical Review B*, **2014**, 90,	3.3	36
127	Anisotropic propagating excitations and quadrupolar effects in Tb2Ti2O7. *Physical Review Letters*, **2013**, 111, 087201	7.4	36
126	Portraying entanglement between molecular qubits with four-dimensional inelastic neutron scattering. *Nature Communications*, **2017**, 8, 14543	17.4	35
125	Multi-component modeling of quasielastic neutron scattering from phospholipid membranes. *Journal of Chemical Physics*, **2014**, 140, 174901	3.9	35
124	High protein flexibility and reduced hydration water dynamics are key pressure adaptive strategies in prokaryotes. *Scientific Reports*, **2016**, 6, 32816	4.9	32
123	First results with the upgraded IN5 disk chopper cold time-of-flight spectrometer. *Physica B: Condensed Matter*, **2004**, 350, 173-177	2.8	32
122	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	3.8	31

121	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	2.3	31
120	Quadrupole Order in the Frustrated Pyrochlore Tb_{2+x}Ti_{2-x}O_{7+y}. *Physical Review Letters*, **2016**, 116, 217201	7.4	30
119	Antiferroquadrupolar correlations in the quantum spin ice candidate Pr2Zr2O7. *Physical Review B*, **2016**, 94,	3.3	30
118	Comparison of the dynamics of MIL-53(Cr) and MIL-47(V) frameworks using neutron scattering and DFT methods. *European Physical Journal: Special Topics*, **2010**, 189, 263-271	2.3	30
117	Gaining Insights on the H2Sorbent Interactions: Robust soc-MOF Platform as a Case Study. *Chemistry of Materials*, **2016**, 28, 7353-7361	9.6	30
116	Proton Transport in a Highly Conductive Porous Zirconium-Based MetalOrganic Framework: Molecular Insight. *Angewandte Chemie*, **2016**, 128, 3987-3992	3.6	29
115	Coexistence of long- and short-range magnetic order in the frustrated magnet SrYb2O4. *Physical Review B*, **2012**, 86,	3.3	29
114	Diffusion of long chain n-alkanes in the metalorganic framework MIL-47(V): A combination of neutron scattering experiments and molecular dynamics simulations. *Microporous and Mesoporous Materials*, **2012**, 164, 259-265	5.3	29
113	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	3.9	29
112	Quantum rotation and translation of hydrogen molecules encapsulated inside Ctemperature dependence of inelastic neutron scattering spectra. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20110627	3	28
111	Nesting-driven multipolar order in CeB6 from photoemission tomography. *Nature Communications*, **2016**, 7, 10876	17.4	27
110	Uncovering the Rotation and Translational Mobility of Benzene Confined in UiO-66 (Zr) MetalOrganic Framework by the 2H NMRQENS Experimental Toolbox. *Journal of Physical Chemistry C*, **2017**, 121, 2844-2857	3.8	26
109	Diffusion of CH4 in ZIF-8 Studied by Quasi-Elastic Neutron Scattering. *Journal of Physical Chemistry C*, **2015**, 119, 16115-16120	3.8	26
108	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, 519-29	3.6	25
107	Fast internal dynamics in alcohol dehydrogenase. *Journal of Chemical Physics*, **2015**, 143, 075101	3.9	25
106	The New Cold Neutron Time-of-Flight Spectrometer IN5. *Neutron News*, **2010**, 21, 22-25	0.4	25
105	Conformational and segmental dynamics in lipid-based vesicles. *Soft Matter*, **2011**, 7, 3929	3.6	25
104	Neutron time-of-flight measurement techniques: new possibilities of TOF spectroscopy with NEAT at BENSC. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2000**, 449, 322-330	1.2	25

103	Evidence for a spinon Fermi surface in the triangular S=1 quantum spin liquid Ba3NiSb2O9. *Physical Review B*, **2017**, 95,	3.3	24
102	Direct evidence of weakly dispersed and strongly anharmonic optical phonons in hybrid perovskites. *Communications Physics*, **2020**, 3,	5.4	22
101	Symmetry-breaking in the H2@C60 endofullerene revealed by inelastic neutron scattering at low temperature. *Physical Chemistry Chemical Physics*, **2016**, 18, 1998-2005	3.6	22
100	Fragmentation in spin ice from magnetic charge injection. *Nature Communications*, **2017**, 8, 209	17.4	22
99	Picosecond to nanosecond dynamics provide a source of conformational entropy for protein folding. *Physical Chemistry Chemical Physics*, **2016**, 18, 21527-38	3.6	22
98	Competing coexisting phases in 2D water. *Scientific Reports*, **2016**, 6, 25938	4.9	21
97	Experimental evidence of selective heating of molecules adsorbed in nanopores under microwave radiation. *Physical Review Letters*, **2011**, 106, 157401	7.4	21
96	Signature of low-dimensional diffusion in complex systems. *Physical Review Letters*, **2008**, 101, 265901	7.4	20
95	Magnetic relaxation studies on a single-molecule magnet by time-resolved inelastic neutron scattering. *Applied Physics Letters*, **2006**, 88, 042507	3.4	20
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93	High hydrostatic pressure specifically affects molecular dynamics and shape of low-density lipoprotein particles. *Scientific Reports*, **2017**, 7, 46034	4.9	19
92	Proton Diffusivity in the Protic Ionic Liquid Triethylammonium Triflate Probed by Quasielastic Neutron Scattering. *Journal of Physical Chemistry B*, **2015**, 119, 10643-51	3.4	19
91	Evidence of dynamical constraints imposed by water organization around a bio-hydrophobic interface. *Journal of Physical Chemistry B*, **2013**, 117, 2829-36	3.4	19
90	Direct determination of the base-pair force constant of DNA from the acoustic phonon dispersion of the double helix. *Physical Review Letters*, **2011**, 107, 088102	7.4	19
89	Multiscale Water Dynamics in a Fuel Cell by Operando Quasi Elastic Neutron Scattering. *Journal of Physical Chemistry C*, **2018**, 122, 1103-1108	3.8	16
88	Composite Spin and Quadrupole Wave in the Ordered Phase of Tb2+xTi2-xO7+y. *Spin*, **2015**, 05, 1540003	1.3	16
87	Inelastic and quasi-elastic neutron scattering. Application to soft-matter. *EPJ Web of Conferences*, **2018**, 188, 05001	0.3	16
86	Evidence for dynamic kagome ice. *Nature Communications*, **2018**, 9, 3786	17.4	16

85	Vesignieite: An S=1/2 Kagome Antiferromagnet with Dominant Third-Neighbor Exchange. *Physical Review Letters*, **2018**, 121, 107203	7.4	16
84	Adaptation of Extremophilic Proteins with Temperature and Pressure: Evidence from Initiation Factor 6. *Journal of Physical Chemistry B*, **2015**, 119, 7860-73	3.4	15
83	Alzheimer peptide amyloid- fragment 22-40, perturbs lipid dynamics. *Soft Matter*, **2016**, 12, 1444-51	3.6	15
82	Molecular dynamics of pyrene based discotic liquid crystals confined in nanopores probed by incoherent quasielastic neutron scattering. *RSC Advances*, **2014**, 4, 59358-59369	3.7	15
81	Proton diffusion in the hexafluorophosphoric acid clathrate hydrate. *Journal of Physical Chemistry B* , **2014**, 118, 13357-64	3.4	15
80	QENS investigation of proton confined motions in hydrated perfluorinated sulfonic membranes and self-assembled surfactants. *EPJ Web of Conferences*, **2015**, 83, 02002	0.3	15
79	A quantum liquid of magnetic octupoles on the pyrochlore lattice. *Nature Physics*, **2020**, 16, 546-552	16.2	14
78	Phonon-roton modes in liquid 4 He coincide with Bose-Einstein condensation. *Europhysics Letters*, **2012**, 98, 56008	1.6	14
77	Helical bunching and symmetry lowering inducing multiferroicity in Fe langasites. *Physical Review B*, **2016**, 93,	3.3	13
76	Dynamics of Methyl Iodide Clathrate Hydrate, Investigated by MD Simulations and QENS Experiments. *Journal of Physical Chemistry C*, **2011**, 115, 12689-12701	3.8	13
75	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	3.4	13
74	Superfluid He4 dynamics beyond quasiparticle excitations. *Physical Review B*, **2016**, 94,	3.3	13
73	Influence of Chloride Substitution on the Rotational Dynamics of Methylammonium in MAPbI3Clx Perovskites. *Journal of Physical Chemistry C*, **2019**, 123, 11436-11446	3.8	12
72	Dynamics of a bond-disordered S=1 quantum magnet near z=1 criticality. *Physical Review B*, **2015**, 92,	3.3	12
71	Spin dynamics in the unconventional multiferroic AgCrS2. *Physical Review B*, **2013**, 87,	3.3	12
70	Anisotropy of Co transferred to the CrCo polymetallic cluster strong exchange interactions. *Chemical Science*, **2018**, 9, 3555-3562	9.4	11
69	The fluctuating ribosome: thermal molecular dynamics characterized by neutron scattering. *Scientific Reports*, **2016**, 6, 37138	4.9	11
68	The temperature dependence of the phononic band gap of NaI. *Journal of Physics Condensed Matter*, **2013**, 25, 055403	1.8	11

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66	Dynamics of water confined in mesopores with variable surface interaction. *Journal of Chemical Physics*, **2021**, 154, 094505	3.9	10
65	Microscopic dynamics of superfluid He4: A comprehensive study by inelastic neutron scattering. *Physical Review B*, **2018**, 97,	3.3	10
64	Doping-induced redistribution of magnetic spectral weight in the substituted hexaborides Ce1−xLaxB6 and Ce1−xNdxB6. *Physical Review B*, **2018**, 97,	3.3	9
63	Emergent Interacting Spin Islands in a Depleted Strong-Leg Heisenberg Ladder. *Physical Review Letters*, **2016**, 116, 257203	7.4	9
62	Spin dynamics in highly frustrated pyrochlore magnets. *EPJ Web of Conferences*, **2015**, 83, 03012	0.3	9
61	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	2.3	9
60	Diffusion of Branched and Linear C6-Alkanes in the MIL-47(V) Metal−Organic Framework.. *Journal of the Physical Society of Japan*, **2013**, 82, SA005	1.5	9
59	Anomalous water dynamics in brain: a combined diffusion magnetic resonance imaging and neutron scattering investigation. *Journal of the Royal Society Interface*, **2019**, 16, 20190186	4.1	8
58	Magnetic field dependence of the neutron spin resonance in CeB6. *Physical Review B*, **2016**, 94,	3.3	8
57	The Effect of Crowding on Protein Stability, Rigidity, and High Pressure Sensitivity in Whole Cells. *Langmuir*, **2018**, 34, 10419-10425	4	8
56	Elementary excitations in single-chain magnets. *Physical Review B*, **2017**, 96,	3.3	8
55	Tetrahedron dynamics in the icosahedral quasicrystals i-ZnMgSc and i-ZnAgSc and the cubic 1/1-approximant Zn6Sc. *Journal of Physics Condensed Matter*, **2013**, 25, 115405	1.8	8
54	Spectroscopic investigation of ionizing-radiation tolerance of aChlorophyceaegreen micro-alga. *Journal of Physics Condensed Matter*, **2008**, 20, 104216	1.8	8
53	Dispersion relation of Landau elementary excitations and thermodynamic properties of superfluid He4. *Physical Review B*, **2021**, 103,	3.3	8
52	Quantum Dynamics of H2 and D2 Confined in Hydrate Structures as a Function of Pressure and Temperature. *Journal of Physical Chemistry C*, **2019**, 123, 1888-1903	3.8	8
51	Single layer transdermal film containing lidocaine: water and lidocaine mobility determined using neutron scattering. *Journal of Pharmaceutical Sciences*, **2010**, 99, 4277-84	3.9	7
50	Formation of collective spins in frustrated clusters. *Physical Review B*, **2008**, 77,	3.3	7

49	Fast ionic mobility in cryolite studied by quasielastic neutron scattering. *Solid State Ionics*, **2008**, 179, 1957-1961	3.3	7
48	New perspectives on the IN5 time of flight spectrometer. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s305-s307	2.6	7
47	Molecular Dynamics of POPC Phospholipid Bilayers through the Gel to Fluid Phase Transition: An Incoherent Quasi-Elastic Neutron Scattering Study. *Journal of Chemistry*, **2017**, 2017, 1-8	2.3	6
46	Continuum Excitation and Pseudospin Wave in Quantum Spin-Liquid and Quadrupole Ordered States of Tb2+xTi2−xO7+y. *Journal of the Physical Society of Japan*, **2018**, 87, 064704	1.5	6
45	Lattice dynamics of the icosahedral quasicrystals i-ZnMgSc and i-ZnAgSc and the cubic 1/1-approximant Zn6Sc. *Journal of Physics Condensed Matter*, **2014**, 26, 055402	1.8	6
44	Quantum criticality in a three-dimensional spin system at zero field and pressure. *Physical Review B*, **2017**, 96,	3.3	6
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42	Excitations of amorphous solid helium. *Physical Review B*, **2012**, 86,	3.3	6
41	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		6
40	Diffusion in□astique de neutrons par temps de vol **2010**,		6
39	Modeling the THF clathrate hydrate dynamics by combining molecular dynamics and quasi-elastic neutron scattering. *Chemical Physics*, **2017**, 496, 24-34	2.3	5
38	Spin decoupling under a staggered field in the Gd2Ir2O7 pyrochlore. *Physical Review B*, **2019**, 99,	3.3	5
37	Field-induced phase diagram of the XY pyrochlore antiferromagnet Er2Ti2O7. *Physical Review B*, **2017**, 95,	3.3	5
36	Nanometric confinement: Toward new physical properties and technological developments. *European Physical Journal: Special Topics*, **2012**, 213, 129-148	2.3	5
35	Fragmented monopole crystal, dimer entropy, and Coulomb interactions in Dy2Ir2O7. *Physical Review Research*, **2020**, 2,	3.9	5
34	Dynamical properties of water in living cells. *Frontiers of Physics*, **2018**, 13, 1	3.7	5
33	Measurement of double differential cross-section of light water at high temperature and pressure to generate S(□ *EPJ Web of Conferences*, **2017**, 146, 13006	0.3	4
32	Magnetic properties of transition metal dimers probed by inelastic neutron scattering. *Dalton Transactions*, **2018**, 47, 11953-11959	4.3	4

31	From a one-dimensional crystal to a one-dimensional liquid: A comprehensive dynamical study of C60 peapods. *Physical Review B*, **2013**, 87,	3.3	4
30	Magnetic excitations in a new anisotropic kagom antiferromagnet. *Physica B: Condensed Matter*, **2006**, 385-386, 72-74	2.8	4
29	Spin Dynamics and Unconventional Coulomb Phase in Nd_{2}Zr_{2}O_{7}. *Physical Review Letters*, **2021**, 126, 247201	7.4	4
28	The first study on the impact of osmolytes in whole cells of high temperature-adapted microorganisms. *Soft Matter*, **2019**, 15, 8381-8391	3.6	4
27	Insight into Protein-Polymer Conjugate Relaxation Dynamics: The Importance of Polymer Grafting. *Macromolecular Bioscience*, **2020**, 20, e1900410	5.5	4
26	Spin waves near the edge of halogen substitution induced magnetic order in Ni(Cl1 Brx)2 4SC(NH2)2. *Physical Review B*, **2018**, 98,	3.3	4
25	Phonons, rotons, and localized Bose-Einstein condensation in liquid He4 confined in nanoporous FSM-16. *Physical Review B*, **2019**, 99,	3.3	3
24	Field-Angle-Resolved Magnetic Excitations as a Probe of Hidden-Order Symmetry in CeB6. *Physical Review X*, **2020**, 10,	9.1	3
23	Molecular dynamics in 1-alkyl-3-methylimidazolium bromide ionic liquids: A reanalysis of quasielastic neutron scattering results **2018**,		3
22	Absence of strong magnetic fluctuations in FeP-based systems LaFePO and Sr ScO eP. *Journal of Physics Condensed Matter*, **2013**, 25, 425701	1.8	3
21	Neutron Spin-Echo and TOF Reveals Protein Dynamics in Solution. *Journal of the Physical Society of Japan*, **2013**, 82, SA016	1.5	3
20	Coherent neutron analysis of diffuse scattering in an alkane rea composite. *Physica B: Condensed Matter*, **2000**, 276-278, 298-299	2.8	3
19	Spin correlations of quantum spin liquid and quadrupole-ordered states of Tb2+xTi2 O7+y. *Physical Review B*, **2019**, 99,	3.3	3
18	Evolution of the propagation vector of antiferroquadrupolar phases in Ce3Pd20Si6 under magnetic field. *Physical Review B*, **2019**, 99,	3.3	2
17	Magnetoelastic excitation spectrum in the rare-earth pyrochlore Tb2Ti2O7. *Physical Review B*, **2019** , 99,	3.3	2
16	Brain lateralization probed by water diffusion at the atomic to micrometric scale. *Scientific Reports*, **2019**, 9, 14694	4.9	2
15	Mobility of a Mononucleotide within a Lipid Matrix: A Neutron Scattering Study. *Life*, **2017**, 7,	3	2
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13	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. *International Journal of Hydrogen Energy*, **2021**, 46, 26897-26914	6.7	2
12	Dynamics of Apolipoprotein B-100 in Interaction with Detergent Probed by Incoherent Neutron Scattering.. *Journal of Physical Chemistry Letters*, **2021**, 12, 12402-12410	6.4	2
11	Neutron Scattering of Clathrate and Semiclathrate Hydrates **2017**, 1-61		1
10	Phonon-lifetimes in demixing systems. *Journal of Physics Condensed Matter*, **2012**, 24, 255401	1.8	1
9	Search for Light-Induced Intrinsic Localized Modes: Negative Result. *Ferroelectrics*, **2012**, 440, 42-46	0.6	1
8	Dynamics of collagen from bovine connective tissues. *Physica B: Condensed Matter*, **2004**, 350, E631-E633	1.8	1
7	Influence of water on the microscopic dynamics of 1-butyl-3-methylimidazolium tetrafluoroborate studied by means of quasielastic neutron scattering.. *Journal of Chemical Physics*, **2022**, 156, 084505	3.9	1
6	The dynamical Matryoshka model: 2. Modeling of local 1 lipid dynamics at the sub-nanosecond timescale in phospholipid membranes.. *Biochimica Et Biophysica Acta - Biomembranes*, **2022**, 183950	3.8	1
5	Nitrogen Hydrate Cage Occupancy and Bulk Modulus Inferred from Density Functional Theory-Derived Cell Parameters. *Journal of Physical Chemistry C*, **2021**, 125, 6433-6441	3.8	0
4	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	3.8	0
3	Remote crystal alignment at cryogenic temperature for neutron scattering. *Journal of Neutron Research*, **2017**, 19, 27-32	0.5	
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1	Optimisation of the H16-IN5 replacement guide. *Journal of Neutron Research*, **2019**, 20, 123-126	0.5	