

Jacques Ollivier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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	3.9	1
155	The dynamical Matryoshka model: 2. Modeling of local 1 lipid dynamics at the sub-nanosecond timescale in phospholipid membranes.. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022 , 183950	3.8	1
154	The dynamical Matryoshka model: 3. Diffusive nature of the atomic motions contained in a new dynamical model for deciphering local lipid dynamics.. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022 , 1864, 183949	3.8	0
153	Dynamics of water confined in mesopores with variable surface interaction. <i>Journal of Chemical Physics</i> , 2021 , 154, 094505	3.9	10
152	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	3.8	0
151	Dispersion relation of Landau elementary excitations and thermodynamic properties of superfluid He4. <i>Physical Review B</i> , 2021 , 103,	3.3	8
150	Spin Dynamics and Unconventional Coulomb Phase in Nd ₂ Zr ₂ O ₇ . <i>Physical Review Letters</i> , 2021 , 126, 247201	7.4	4
149	Temperature-dependent dynamic structure factors for liquid water inferred from inelastic neutron scattering measurements. <i>Journal of Chemical Physics</i> , 2021 , 155, 024502	3.9	2
148	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	6.7	2
147	Dynamics of Apolipoprotein B-100 in Interaction with Detergent Probed by Incoherent Neutron Scattering.. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 12402-12410	6.4	2
146	A quantum liquid of magnetic octupoles on the pyrochlore lattice. <i>Nature Physics</i> , 2020 , 16, 546-552	16.2	14
145	Direct evidence of weakly dispersed and strongly anharmonic optical phonons in hybrid perovskites. <i>Communications Physics</i> , 2020 , 3,	5.4	22
144	Field-Angle-Resolved Magnetic Excitations as a Probe of Hidden-Order Symmetry in CeB6. <i>Physical Review X</i> , 2020 , 10,	9.1	3
143	Fragmented monopole crystal, dimer entropy, and Coulomb interactions in Dy ₂ Ir ₂ O ₇ . <i>Physical Review Research</i> , 2020 , 2,	3.9	5
142	Insight into Protein-Polymer Conjugate Relaxation Dynamics: The Importance of Polymer Grafting. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900410	5.5	4
141	Anomalous water dynamics in brain: a combined diffusion magnetic resonance imaging and neutron scattering investigation. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20190186	4.1	8
140	Phonons, rotons, and localized Bose-Einstein condensation in liquid He4 confined in nanoporous FSM-16. <i>Physical Review B</i> , 2019 , 99,	3.3	3

139	Influence of Chloride Substitution on the Rotational Dynamics of Methylammonium in MAPbI ₃ Cl _x Perovskites. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11436-11446	3.8	12
138	Spin decoupling under a staggered field in the Gd ₂ Ir ₂ O ₇ pyrochlore. <i>Physical Review B</i> , 2019 , 99,	3.3	5
137	Evolution of the propagation vector of antiferroquadrupolar phases in Ce ₃ Pd ₂₀ Si ₆ under magnetic field. <i>Physical Review B</i> , 2019 , 99,	3.3	2
136	Magnetoelastic excitation spectrum in the rare-earth pyrochlore Tb ₂ Ti ₂ O ₇ . <i>Physical Review B</i> , 2019 , 99,	3.3	2
135	Brain lateralization probed by water diffusion at the atomic to micrometric scale. <i>Scientific Reports</i> , 2019 , 9, 14694	4.9	2
134	Optimisation of the H16-IN5 replacement guide. <i>Journal of Neutron Research</i> , 2019 , 20, 123-126	0.5	
133	The first study on the impact of osmolytes in whole cells of high temperature-adapted microorganisms. <i>Soft Matter</i> , 2019 , 15, 8381-8391	3.6	4
132	Quantum Dynamics of H ₂ and D ₂ Confined in Hydrate Structures as a Function of Pressure and Temperature. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1888-1903	3.8	8
131	Spin correlations of quantum spin liquid and quadrupole-ordered states of Tb _{2+x} Ti ₂ O _{7+y} . <i>Physical Review B</i> , 2019 , 99,	3.3	3
130	Anisotropy of Co transferred to the CrCo polymetallic cluster strong exchange interactions. <i>Chemical Science</i> , 2018 , 9, 3555-3562	9.4	11
129	Doping-induced redistribution of magnetic spectral weight in the substituted hexaborides Ce _{1-x} LaxB ₆ and Ce _{1-x} NdxB ₆ . <i>Physical Review B</i> , 2018 , 97,	3.3	9
128	Multiscale Water Dynamics in a Fuel Cell by Operando Quasi Elastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1103-1108	3.8	16
127	Experimental signatures of emergent quantum electrodynamics in Pr ₂ Hf ₂ O ₇ . <i>Nature Physics</i> , 2018 , 14, 711-715	16.2	38
126	Continuum Excitation and Pseudospin Wave in Quantum Spin-Liquid and Quadrupole Ordered States of Tb _{2+x} Ti ₂ O _{7+y} . <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 064704	1.5	6
125	Magnetic properties of transition metal dimers probed by inelastic neutron scattering. <i>Dalton Transactions</i> , 2018 , 47, 11953-11959	4.3	4
124	The Effect of Crowding on Protein Stability, Rigidity, and High Pressure Sensitivity in Whole Cells. <i>Langmuir</i> , 2018 , 34, 10419-10425	4	8
123	Molecular dynamics in 1-alkyl-3-methylimidazolium bromide ionic liquids: A reanalysis of quasielastic neutron scattering results 2018 ,		3
122	Dynamical properties of water in living cells. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	5

121	Inelastic and quasi-elastic neutron scattering. Application to soft-matter. <i>EPJ Web of Conferences</i> , 2018 , 188, 05001	0.3	16
120	Spin waves near the edge of halogen substitution induced magnetic order in $\text{Ni}(\text{Cl}_{1-x}\text{Br}_x)_2\text{SC}(\text{NH}_2)_2$. <i>Physical Review B</i> , 2018 , 98,	3.3	4
119	Evidence for dynamic kagome ice. <i>Nature Communications</i> , 2018 , 9, 3786	17.4	16
118	Vesignieite: An $S=1/2$ Kagome Antiferromagnet with Dominant Third-Neighbor Exchange. <i>Physical Review Letters</i> , 2018 , 121, 107203	7.4	16
117	Microscopic dynamics of superfluid He4: A comprehensive study by inelastic neutron scattering. <i>Physical Review B</i> , 2018 , 97,	3.3	10
116	Uncovering the Rotation and Translational Mobility of Benzene Confined in UiO-66 (Zr) Metal-Organic Framework by the 2H NMR QENS Experimental Toolbox. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2844-2857	3.8	26
115	Portraying entanglement between molecular qubits with four-dimensional inelastic neutron scattering. <i>Nature Communications</i> , 2017 , 8, 14543	17.4	35
114	High hydrostatic pressure specifically affects molecular dynamics and shape of low-density lipoprotein particles. <i>Scientific Reports</i> , 2017 , 7, 46034	4.9	19
113	Modeling the THF clathrate hydrate dynamics by combining molecular dynamics and quasi-elastic neutron scattering. <i>Chemical Physics</i> , 2017 , 496, 24-34	2.3	5
112	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	2.3	6
111	Measurement of double differential cross-section of light water at high temperature and pressure to generate S(Q). <i>EPJ Web of Conferences</i> , 2017 , 146, 13006	0.3	4
110	Elementary excitations in single-chain magnets. <i>Physical Review B</i> , 2017 , 96,	3.3	8
109	Neutron Scattering of Clathrate and Semiclathrate Hydrates 2017 , 1-61		1
108	Direct measurement of individual phonon lifetimes in the clathrate compound BaGeAu. <i>Nature Communications</i> , 2017 , 8, 491	17.4	58
107	Evidence for a spinon Fermi surface in the triangular $S=1$ quantum spin liquid $\text{Ba}_3\text{NiSb}_2\text{O}_9$. <i>Physical Review B</i> , 2017 , 95,	3.3	24
106	Field-induced phase diagram of the XY pyrochlore antiferromagnet $\text{Er}_2\text{Ti}_2\text{O}_7$. <i>Physical Review B</i> , 2017 , 95,	3.3	5
105	Fragmentation in spin ice from magnetic charge injection. <i>Nature Communications</i> , 2017 , 8, 209	17.4	22
104	Quantum criticality in a three-dimensional spin system at zero field and pressure. <i>Physical Review B</i> , 2017 , 96,	3.3	6

103	Pseudo-Goldstone Magnons in the Frustrated $S=3/2$ Heisenberg Helimagnet $ZnCr_2Se_4$ with a Pyrochlore Magnetic Sublattice. <i>Physical Review X</i> , 2017 , 7,	9.1	11
102	Remote crystal alignment at cryogenic temperature for neutron scattering. <i>Journal of Neutron Research</i> , 2017 , 19, 27-32	0.5	
101	Mobility of a Mononucleotide within a Lipid Matrix: A Neutron Scattering Study. <i>Life</i> , 2017 , 7,	3	2
100	Magnetic field dependence of the neutron spin resonance in CeB_6 . <i>Physical Review B</i> , 2016 , 94,	3.3	8
99	Helical bunching and symmetry lowering inducing multiferroicity in Fe langasites. <i>Physical Review B</i> , 2016 , 93,	3.3	13
98	Quadrupole Order in the Frustrated Pyrochlore $Tb_{2+x}Ti_{2-x}O_{7+y}$. <i>Physical Review Letters</i> , 2016 , 116, 217201	7.4	30
97	Emergent Interacting Spin Islands in a Depleted Strong-Leg Heisenberg Ladder. <i>Physical Review Letters</i> , 2016 , 116, 257203	7.4	9
96	Competing coexisting phases in 2D water. <i>Scientific Reports</i> , 2016 , 6, 25938	4.9	21
95	The fluctuating ribosome: thermal molecular dynamics characterized by neutron scattering. <i>Scientific Reports</i> , 2016 , 6, 37138	4.9	11
94	High protein flexibility and reduced hydration water dynamics are key pressure adaptive strategies in prokaryotes. <i>Scientific Reports</i> , 2016 , 6, 32816	4.9	32
93	Antiferroquadrupolar correlations in the quantum spin ice candidate $Pr_2Zr_2O_7$. <i>Physical Review B</i> , 2016 , 94,	3.3	30
92	Proton Transport in a Highly Conductive Porous Zirconium-Based Metal-Organic Framework: Molecular Insight. <i>Angewandte Chemie</i> , 2016 , 128, 3987-3992	3.6	29
91	Proton Transport in a Highly Conductive Porous Zirconium-Based Metal-Organic Framework: Molecular Insight. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3919-24	16.4	123
90	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	3.6	22
89	Alzheimer's peptide amyloid- β fragment 22-40, perturbs lipid dynamics. <i>Soft Matter</i> , 2016 , 12, 1444-51	3.6	15
88	Nesting-driven multipolar order in CeB_6 from photoemission tomography. <i>Nature Communications</i> , 2016 , 7, 10876	17.4	27
87	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr_8Mn . <i>Chemistry - A European Journal</i> , 2016 , 22, 1779-88	4.8	20
86	Enhanced ionic liquid mobility induced by confinement in 1D CNT membranes. <i>Nanoscale</i> , 2016 , 8, 7845-8.7	3.7	38

85	Observation of magnetic fragmentation in spin ice. <i>Nature Physics</i> , 2016 , 12, 746-750	16.2	84
84	Superfluid He4 dynamics beyond quasiparticle excitations. <i>Physical Review B</i> , 2016 , 94,	3.3	13
83	Picosecond to nanosecond dynamics provide a source of conformational entropy for protein folding. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 21527-38	3.6	22
82	Gaining Insights on the H ₂ O Sorbent Interactions: Robust soc-MOF Platform as a Case Study. <i>Chemistry of Materials</i> , 2016 , 28, 7353-7361	9.6	30
81	Proton Diffusivity in the Protic Ionic Liquid Triethylammonium Triflate Probed by Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10643-51	3.4	19
80	Haydeeite: A spin-12 kagome ferromagnet. <i>Physical Review B</i> , 2015 , 91,	3.3	36
79	Diffusion of CH ₄ in ZIF-8 Studied by Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16115-16120	3.8	26
78	Adaptation of Extremophilic Proteins with Temperature and Pressure: Evidence from Initiation Factor 6. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 7860-73	3.4	15
77	Diffusion of Benzene in the Breathing Metal-Organic Framework MIL-53(Cr): A Joint Experimental-Computational Investigation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8217-8225	3.8	31
76	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	5.5	46
75	Dynamics of a bond-disordered S=1 quantum magnet near z=1 criticality. <i>Physical Review B</i> , 2015 , 92,	3.3	12
74	Fast internal dynamics in alcohol dehydrogenase. <i>Journal of Chemical Physics</i> , 2015 , 143, 075101	3.9	25
73	QENS investigation of proton confined motions in hydrated perfluorinated sulfonic membranes and self-assembled surfactants. <i>EPJ Web of Conferences</i> , 2015 , 83, 02002	0.3	15
72	Composite Spin and Quadrupole Wave in the Ordered Phase of Tb _{2+x} Ti _{2-x} O _{7+y} . <i>Spin</i> , 2015 , 05, 1540003	1.3	16
71	Spin dynamics in highly frustrated pyrochlore magnets. <i>EPJ Web of Conferences</i> , 2015 , 83, 03012	0.3	9
70	Intense low-energy ferromagnetic fluctuations in the antiferromagnetic heavy-fermion metal CeB ₆ . <i>Nature Materials</i> , 2014 , 13, 682-7	27	44
69	Lattice dynamics of the icosahedral quasicrystals i-ZnMgSc and i-ZnAgSc and the cubic 1/1-approximant Zn ₆ Sc. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 055402	1.8	6
68	Magnetoelastic excitations in the pyrochlore spin liquid Tb ₂ Ti ₂ O ₇ . <i>Physical Review Letters</i> , 2014 , 112, 017203	7.4	67

67	Molecular dynamics of pyrene based discotic liquid crystals confined in nanopores probed by incoherent quasielastic neutron scattering. <i>RSC Advances</i> , 2014 , 4, 59358-59369	3.7	15
66	Multi-component modeling of quasielastic neutron scattering from phospholipid membranes. <i>Journal of Chemical Physics</i> , 2014 , 140, 174901	3.9	35
65	A Complete Separation of Hexane Isomers by a Functionalized Flexible Metal Organic Framework. <i>Advanced Functional Materials</i> , 2014 , 24, 7666-7673	15.6	59
64	Symmetry-breaking in the endofullerene $H@C_{60}$ revealed in the quantum dynamics of ortho and para-water: a neutron scattering investigation. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21330-9	3.6	50
63	Structural and dynamical properties of reconstituted myelin sheaths in the presence of myelin proteins MBP and P2 studied by neutron scattering. <i>Soft Matter</i> , 2014 , 10, 519-29	3.6	25
62	Proton diffusion in the hexafluorophosphoric acid clathrate hydrate. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 13357-64	3.4	15
61	Advanced sources and optical components for the McStas neutron scattering instrument simulation package. <i>Journal of Neutron Research</i> , 2014 , 17, 63-74	0.5	6
60	Order by disorder or energetic selection of the ground state in the XY pyrochlore antiferromagnet $Er_2Ti_2O_7$: An inelastic neutron scattering study. <i>Physical Review B</i> , 2014 , 90,	3.3	36
59	Combined Experimental and Computational Study of Oxide Ion Conduction Dynamics in $Sr_2Fe_2O_5$ Brownmillerite. <i>Chemistry of Materials</i> , 2013 , 25, 3080-3087	9.6	44
58	Quantum rotation and translation of hydrogen molecules encapsulated inside C_{60} temperature dependence of inelastic neutron scattering spectra. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20110627	3	28
57	Long-range order and spin-liquid states of polycrystalline $Tb_{2+x}Ti_2O_{7+y}$. <i>Physical Review B</i> , 2013 , 87,	3.3	67
56	The temperature dependence of the phononic band gap of NaI. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 055403	1.8	11
55	Evidence of dynamical constraints imposed by water organization around a bio-hydrophobic interface. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2829-36	3.4	19
54	Spin dynamics in the unconventional multiferroic $AgCrS_2$. <i>Physical Review B</i> , 2013 , 87,	3.3	12
53	Anisotropic propagating excitations and quadrupolar effects in $Tb_2Ti_2O_7$. <i>Physical Review Letters</i> , 2013 , 111, 087201	7.4	36
52	Absence of strong magnetic fluctuations in FeP-based systems $LaFePO$ and $SrScOBeP$. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 425701	1.8	3
51	Tetrahedron dynamics in the icosahedral quasicrystals $i-ZnMgSc$ and $i-ZnAgSc$ and the cubic 1/1-approximant Zn_6Sc . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 115405	1.8	8
50	From a one-dimensional crystal to a one-dimensional liquid: A comprehensive dynamical study of C_{60} peapods. <i>Physical Review B</i> , 2013 , 87,	3.3	4

49	Diffusion of Branched and Linear C6-Alkanes in the MIL-47(V) Metal-Organic Framework.. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, SA005	1.5	9
48	Dynamics of Water and Small Molecules in Bioadhesive Polymer Films. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, SA021	1.5	
47	Neutron Spin-Echo and TOF Reveals Protein Dynamics in Solution. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, SA016	1.5	3
46	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,	3.3	39
45	Quantum rotation of ortho and para-water encapsulated in a fullerene cage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12894-8	11.5	117
44	Kapellasite: a kagome quantum spin liquid with competing interactions. <i>Physical Review Letters</i> , 2012 , 109, 037208	7.4	169
43	Coexistence of long- and short-range magnetic order in the frustrated magnet SrYb ₂ O ₄ . <i>Physical Review B</i> , 2012 , 86,	3.3	29
42	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	3.8	38
41	Spin dynamics of molecular nanomagnets unravelled at atomic scale by four-dimensional inelastic neutron scattering. <i>Nature Physics</i> , 2012 , 8, 906-911	16.2	87
40	Unravelling low lying phonons and vibrations of carbon nanostructures: The contribution of inelastic and quasi-elastic neutron scattering. <i>European Physical Journal: Special Topics</i> , 2012 , 213, 77-102	2.3	9
39	Nanometric confinement: Toward new physical properties and technological developments. <i>European Physical Journal: Special Topics</i> , 2012 , 213, 129-148	2.3	5
38	Excitations of amorphous solid helium. <i>Physical Review B</i> , 2012 , 86,	3.3	6
37	Diffusion of long chain n-alkanes in the metal-organic framework MIL-47(V): A combination of neutron scattering experiments and molecular dynamics simulations. <i>Microporous and Mesoporous Materials</i> , 2012 , 164, 259-265	5.3	29
36	Phonon-lifetimes in demixing systems. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 255401	1.8	1
35	Phonon-roton modes in liquid ⁴ He coincide with Bose-Einstein condensation. <i>Europhysics Letters</i> , 2012 , 98, 56008	1.6	14
34	Search for Light-Induced Intrinsic Localized Modes: Negative Result. <i>Ferroelectrics</i> , 2012 , 440, 42-46	0.6	1
33	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, 4882-8	16.4	51
32	Parity-broken chiral spin dynamics in Ba _{1-x} Nb _x FeSi ₂ O ₈ . <i>Physical Review Letters</i> , 2011 , 106, 207201	7.4	37

31	Conformational and segmental dynamics in lipid-based vesicles. <i>Soft Matter</i> , 2011 , 7, 3929	3.6	25
30	Dynamics of Methyl Iodide Clathrate Hydrate, Investigated by MD Simulations and QENS Experiments. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12689-12701	3.8	13
29	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	7.4	19
28	IN5 Cold Neutron Time-of-Flight Spectrometer, Prepared to Tackle Single Crystal Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, SB003	1.5	51
27	Experimental evidence of selective heating of molecules adsorbed in nanopores under microwave radiation. <i>Physical Review Letters</i> , 2011 , 106, 157401	7.4	21
26	Resistance to irradiation of micro-algae growing in the storage pools of a nuclear reactor investigated by NMR and neutron spectroscopies. <i>Spectroscopy</i> , 2010 , 24, 381-385		6
25	Translational and Reorientational Dynamics of an Imidazolium-Based Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2503-2507	6.4	43
24	The New Cold Neutron Time-of-Flight Spectrometer IN5. <i>Neutron News</i> , 2010 , 21, 22-25	0.4	25
23	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. <i>European Physical Journal: Special Topics</i> , 2010 , 189, 205-216	2.3	31
22	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	2.3	30
21	Single layer transdermal film containing lidocaine: water and lidocaine mobility determined using neutron scattering. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 4277-84	3.9	7
20	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	3.4	13
19	Diffusion in l'astique de neutrons par temps de vol 2010 ,		6
18	The impact of hydration water on the dynamics of side chains of hydrophobic peptides: from dry powder to highly concentrated solutions. <i>Journal of Chemical Physics</i> , 2009 , 130, 235101	3.9	29
17	Intracrystalline transport resistances in nanoporous zeolite X. <i>ChemPhysChem</i> , 2009 , 10, 2429-33	3.2	75
16	Combining structure and dynamics: non-denaturing high-pressure effect on lysozyme in solution. <i>Journal of the Royal Society Interface</i> , 2009 , 6 Suppl 5, S619-34	4.1	81
15	Water hydrogen bond analysis on hydrophilic and hydrophobic biomolecule sites. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 4968-74	3.6	41
14	Spectroscopic investigation of ionizing-radiation tolerance of a Chlorophyceae green micro-alga. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104216	1.8	8

13	Signature of low-dimensional diffusion in complex systems. <i>Physical Review Letters</i> , 2008 , 101, 265901	7.4	20
12	Formation of collective spins in frustrated clusters. <i>Physical Review B</i> , 2008 , 77,	3.3	7
11	A benchmark for protein dynamics: Ribonuclease A measured by neutron scattering in a large wavevector-energy transfer range. <i>Chemical Physics</i> , 2008 , 345, 305-314	2.3	37
10	New sources and instrumentation for neutrons in biology. <i>Chemical Physics</i> , 2008 , 345, 133-151	2.3	46
9	Fast ionic mobility in cryolite studied by quasielastic neutron scattering. <i>Solid State Ionics</i> , 2008 , 179, 1957-1961	3.3	7
8	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. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8086-7	16.4	64
7	Magnetic relaxation studies on a single-molecule magnet by time-resolved inelastic neutron scattering. <i>Applied Physics Letters</i> , 2006 , 88, 042507	3.4	20
6	Magnetic excitations in a new anisotropic kagom \bar{a} ntiferromagnet. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 72-74	2.8	4
5	Dynamics of collagen from bovine connective tissues. <i>Physica B: Condensed Matter</i> , 2004 , 350, E631-E633	3.8	1
4	First results with the upgraded IN5 disk chopper cold time-of-flight spectrometer. <i>Physica B: Condensed Matter</i> , 2004 , 350, 173-177	2.8	32
3	New perspectives on the IN5 time of flight spectrometer. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s305-s307	2.6	7
2	Coherent neutron analysis of diffuse scattering in an alkane \bar{u} rea composite. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 298-299	2.8	3
1	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	1.2	25