

Felix Fernandez-Alonso

List of Publications by Citations

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154
papers

3,033
citations

31
h-index

48
g-index

165
ext. papers

3,344
ext. citations

3.5
avg, IF

5.06
L-index

#	Paper	IF	Citations
154	Observation and interpretation of a time-delayed mechanism in the hydrogen exchange reaction. <i>Nature</i> , 2002 , 416, 67-70	50.4	172
153	Identifying the role of terahertz vibrations in metal-organic frameworks: from gate-opening phenomenon to shear-driven structural destabilization. <i>Physical Review Letters</i> , 2014 , 113, 215502	7.4	159
152	Scattering resonances in the simplest chemical reaction. <i>Annual Review of Physical Chemistry</i> , 2002 , 53, 67-99	15.7	156
151	Improved description of soft layered materials with van der Waals density functional theory. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 424216	1.8	134
150	The structure and dynamics of 2-dimensional fluids in swelling clays. <i>Chemical Geology</i> , 2006 , 230, 182-196	1.6	102
149	Recent and future developments on TOSCA at ISIS. <i>Journal of Physics: Conference Series</i> , 2014 , 554, 012003	1.2	83
148	Electron-volt neutron spectroscopy: beyond fundamental systems. <i>Advances in Physics</i> , 2017 , 66, 1-73	18.4	71
147	Mixed-valent cobalt spin clusters: a hexanuclear complex and a one-dimensional coordination polymer comprised of alternating hepta- and mononuclear fragments. <i>Inorganic Chemistry</i> , 2006 , 45, 8950-7	5.1	71
146	A wheel-shaped single-molecule magnet of [MnII 3MnIII 4]: quantum tunneling of magnetization under static and pulse magnetic fields. <i>Chemistry - A European Journal</i> , 2007 , 13, 8445-53	4.8	67
145	The neutron guide upgrade of the TOSCA spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 896, 68-74	1.2	65
144	Nature of the bound states of molecular hydrogen in carbon nanohorns. <i>Physical Review Letters</i> , 2007 , 98, 215503	7.4	61
143	The high-pressure phase diagram of ammonia dihydrate. <i>High Pressure Research</i> , 2007 , 27, 201-212	1.6	50
142	The instrument suite of the European Spallation Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 957, 163402	1.2	50
141	Evidence for Scattering Resonances in the H+D2 Reaction. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2748-2752	16.4	47
140	Characterisation of the incident beam and current diffraction capabilities on the VESUVIO spectrometer. <i>Measurement Science and Technology</i> , 2017 , 28, 095501	2	44
139	Vibron quasibound state in the noncentrosymmetric tetragonal heavy-fermion compound CeCuAl3. <i>Physical Review Letters</i> , 2012 , 108, 216402	7.4	44
138	Deactivation of a Single-Site Gold-on-Carbon Acetylene Hydrochlorination Catalyst: An X-ray Absorption and Inelastic Neutron Scattering Study. <i>ACS Catalysis</i> , 2018 , 8, 8493-8505	13.1	43

137	Polymers under extreme two-dimensional confinement: Poly(ethylene oxide) in graphite oxide. <i>Soft Matter</i> , 2011 , 7, 7173	3.6	43
136	Unexpected Cation Dynamics in the Low-Temperature Phase of Methylammonium Lead Iodide: The Need for Improved Models. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4701-4709	6.4	42
135	Detecting Molecular Rotational Dynamics Complementing the Low-Frequency Terahertz Vibrations in a Zirconium-Based Metal-Organic Framework. <i>Physical Review Letters</i> , 2017 , 118, 255502	7.4	42
134	Two-Dimensional Subnanometer Confinement of Ethylene Glycol and Poly(ethylene oxide) by Neutron Spectroscopy: Molecular Size Effects. <i>Macromolecules</i> , 2012 , 45, 3137-3144	5.5	39
133	Macromolecular Structure and Vibrational Dynamics of Confined Poly(ethylene oxide): From Subnanometer 2D-Intercalation into Graphite Oxide to Surface Adsorption onto Graphene Sheets. <i>ACS Macro Letters</i> , 2012 , 1, 550-554	6.6	37
132	State-resolved differential and integral cross sections for the reaction $H+D_2 \rightarrow HD(v=3, j=0) + D$ at 1.64 eV collision energy. <i>Journal of Chemical Physics</i> , 2002 , 116, 6634-6639	3.9	36
131	Measurement of the $HD(v=2, J=3)$ product differential cross section for the $H+D_2$ exchange reaction at 1.55±0.05 eV using the photoloc technique. <i>Journal of Chemical Physics</i> , 1999 , 111, 1022-1034	3.9	36
130	Observation of fractional Stokes-Einstein behavior in the simplest hydrogen-bonded liquid. <i>Physical Review Letters</i> , 2007 , 98, 077801	7.4	35
129	Dynamics of a protein and its surrounding environment: a quasielastic neutron scattering study of myoglobin in water and glycerol mixtures. <i>Journal of Chemical Physics</i> , 2009 , 130, 205101	3.9	33
128	Simultaneous neutron scattering and Raman scattering. <i>Applied Spectroscopy</i> , 2009 , 63, 727-32	3.1	33
127	Studies of finite molecular chains: synthesis, structural, magnetic and inelastic neutron scattering studies of hexa- and heptanuclear chromium horseshoes. <i>Chemistry - A European Journal</i> , 2008 , 14, 5144-58	4.8	33
126	Distribution of Rovibrational Product States for the Prompt Reaction $H + D_2(v=0, j=0) \rightarrow HD(v=1, 2, j=1) + D$ near 1.6 eV Collision Energy. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 2228-2233	2.8	32
125	Forward scattering in the $H+D_2 \rightarrow HD+D$ reaction: Comparison between experiment and theoretical predictions. <i>Journal of Chemical Physics</i> , 2001 , 115, 4534-4545	3.9	31
124	Differential cross sections for $H+D_2 \rightarrow HD(v=1, J=1, 5, 8)+D$ at 1.7 eV. <i>Journal of Chemical Physics</i> , 1999 , 111, 1035-1042	3.9	31
123	AbINS: The modern software for INS interpretation. <i>Physica B: Condensed Matter</i> , 2018 , 551, 443-448	2.8	30
122	Observation of Hydride Mobility in the Transition-Metal Oxide Hydride $LaSrCoO_{3-x}H_x$. <i>Advanced Materials</i> , 2006 , 18, 3304-3308	24	30
121	Quantum delocalization of molecular hydrogen in alkali-graphite intercalates. <i>Physical Review Letters</i> , 2008 , 101, 126101	7.4	29
120	Differential cross sections for $H+D_2 \rightarrow HD(v=2, J=0, 3, 5)+D$ at 1.55 eV. <i>Journal of Chemical Physics</i> , 1999 , 111, 2490-2498	3.9	28

119	Nuclear dynamics and phase polymorphism in solid formic acid. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9064-9074	3.6	27
118	Nuclear dynamics in the metastable phase of the solid acid caesium hydrogen sulfate. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31287-96	3.6	27
117	H/D isotope effects in protein thermal denaturation: the case of bovine serum albumin. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1881-8	3.4	27
116	Phase behaviour and thermoelastic properties of perdeuterated ammonia hydrate and ice polymorphs from 0 to 2 GPa. <i>Journal of Applied Crystallography</i> , 2009 , 42, 846-866	3.8	27
115	Probing the binding and spatial arrangement of molecular hydrogen in porous hosts via neutron Compton scattering. <i>Faraday Discussions</i> , 2011 , 151, 171-97; discussion 199-212	3.6	26
114	Ab initio nuclear momentum distributions in lithium hydride: Assessing nonadiabatic effects. <i>Physical Review B</i> , 2011 , 83,	3.3	26
113	Atomic Quantum Dynamics in Materials Research. <i>Experimental Methods in the Physical Sciences</i> , 2017 , 403-457	0.4	24
112	Strong physisorption site for H ₂ in K- and Li-doped porous carbons. <i>Journal of Chemical Physics</i> , 2008 , 129, 224701	3.9	22
111	Measurement of the cross section for H+D ₂ -kD(v _i =3,j _i =0)+D as a function of angle and energy. <i>Journal of Chemical Physics</i> , 2003 , 119, 4662-4670	3.9	22
110	Emergence of glassy features in halomethane crystals. <i>Physical Review B</i> , 2019 , 99,	3.3	22
109	Tunable uptake of poly(ethylene oxide) by graphite-oxide-based materials. <i>Carbon</i> , 2012 , 50, 5232-5241	10.4	21
108	Mass-selective neutron spectroscopy of lithium hydride and deuteride: Experimental assessment of the harmonic and impulse approximations. <i>Physical Review B</i> , 2013 , 88,	3.3	21
107	An Introduction to Neutron Scattering. <i>Experimental Methods in the Physical Sciences</i> , 2013 , 1-136	0.4	21
106	Soft confinement of water in graphene-oxide membranes. <i>Carbon</i> , 2016 , 108, 199-203	10.4	19
105	Detailed characterisation of the incident neutron beam on the TOSCA spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 870, 79-83	1.2	18
104	Absorbate-induced ordering and bilayer formation in propanol-graphite-oxide intercalates. <i>Carbon</i> , 2016 , 100, 546-555	10.4	17
103	Ferroelectric behaviour in solid croconic acid using neutron scattering and first-principles density functional theory. <i>Chemical Physics</i> , 2013 , 427, 95-100	2.3	17
102	Monte carlo simulations of the TOSCA spectrometer: Assessment of current performance and future upgrades. <i>EPJ Web of Conferences</i> , 2015 , 83, 03013	0.3	17

101	Solid para-hydrogen as the paradigmatic quantum crystal: Three observables probed by ultrahigh-resolution neutron spectroscopy. <i>Physical Review B</i> , 2012 , 86,	3.3	17
100	VESUVIO Data Analysis Goes MANTID. <i>Journal of Physics: Conference Series</i> , 2014 , 571, 012009	0.3	15
99	The rich phase behavior of the thermopolarization of water: from a reversal in the polarization, to enhancement near criticality conditions. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19894-901	3.6	15
98	Opening the terahertz window on the OSIRIS spectrometer. <i>EPJ Web of Conferences</i> , 2015 , 83, 03003	0.3	14
97	Confinement of poly(ethylene oxide) in the nanometer-scale pores of resins and carbon nanoparticles. <i>Soft Matter</i> , 2013 , 9, 10960	3.6	13
96	Standing spin waves in an antiferromagnetic molecular Cr 6 horseshoe. <i>Europhysics Letters</i> , 2007 , 79, 17003	1.6	13
95	Proton-Containing Yttrium-Doped Barium Cerate: A Simultaneous Structural and Dynamic Study by Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6574-6580	3.8	13
94	Isothermal equation of state and high-pressure phase transitions of synthetic meridianiite (MgSO ₄ ·11D ₂ O) determined by neutron powder diffraction and quasielastic neutron spectroscopy. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 33-46	1.8	13
93	Neutronic developments on TOSCA and VESPA: Progress to date. <i>Physica B: Condensed Matter</i> , 2019 , 562, 107-111	2.8	12
92	Deep-Glassy Ice VI Revealed with a Combination of Neutron Spectroscopy and Diffraction. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1106-1111	6.4	12
91	VESUVIO+: The Current Testbed for a Next-generation Epithermal Neutron Spectrometer. <i>Journal of Physics: Conference Series</i> , 2018 , 1021, 012026	0.3	12
90	Mass-selective Neutron Spectroscopy Beyond the Proton. <i>Journal of Physics: Conference Series</i> , 2014 , 571, 012002	0.3	12
89	Laser-induced fluorescence diagnostics of a propane/air flame with a manganese fuel additive. <i>Combustion and Flame</i> , 1994 , 99, 261-268	5.3	12
88	Measurement of the para-hydrogen concentration in the ISIS moderators using neutron transmission and thermal conductivity. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 888, 88-95	1.2	11
87	The Harmonic Picture of Nuclear Mean Kinetic Energies in Heavy Water. <i>Journal of Physics: Conference Series</i> , 2014 , 571, 012003	0.3	11
86	Intercalation and Confinement of Poly(ethylene oxide) in Porous Carbon Nanoparticles with Controlled Morphologies. <i>Macromolecules</i> , 2014 , 47, 8729-8737	5.5	11
85	Third-order optical non-linearities in titanium bis-phthalocyanine/toluene solutions. <i>Chemical Physics Letters</i> , 2002 , 356, 607-613	2.5	11
84	The role of three-body interactions in the adsorption of argon in silicalite-1. <i>Molecular Physics</i> , 1995 , 86, 1021-1030	1.7	11

83	A robust comparison of dynamical scenarios in a glass-forming liquid. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3975-81	3.6	10
82	FABADA Goes MANTID to Answer an Old Question: How Many Lines Are There?. <i>Journal of Physics: Conference Series</i> , 2015 , 663, 012009	0.3	10
81	Hydrogen-bond structure and anharmonicity in croconic acid. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26234-9	3.6	10
80	Hydrogen Bonding in the Organic Ferroelectric Croconic Acid: Insights from Experiment and First-Principles Modelling. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, SA001	1.5	10
79	Inelastic neutron scattering studies on the odd-membered antiferromagnetic wheel Cr ₈ Ni. <i>Physical Review B</i> , 2012 , 86,	3.3	10
78	Pressure dependence of the exchange interaction in the dimeric single-molecule magnet [Mn ₄ O ₃ Cl ₄ (O ₂ Cet) ₃ (py) ₃] ₂ from inelastic neutron scattering. <i>Physical Review B</i> , 2006 , 74,	3.3	10
77	Non-destructive quantitation of hydrogen via mass-resolved neutron spectroscopy. <i>Analyst, The</i> , 2019 , 144, 3936-3941	5	9
76	Structure and Dynamics of Molecular Hydrogen in the Interlayer Pores of a Swelling 2:1 Clay by Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25740-25747	3.8	9
75	Equation of state of synthetic mirabilite (Na ₂ SO ₄ ·10D ₂ O) determined by powder neutron diffraction. <i>Journal of Applied Crystallography</i> , 2013 , 46, 448-460	3.8	9
74	On the microscopic mechanism behind the purely orientational disorder-disorder transition in the plastic phase of 1-chloroadamantane. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 20259-20266	3.6	9
73	Dynamics of lipid-carbohydrate nanoparticles by quasielastic neutron scattering. <i>Chemical Physics</i> , 2008 , 345, 239-244	2.3	9
72	Proton dynamics in lithium-ammonia solutions and expanded metals. <i>Journal of Chemical Physics</i> , 2006 , 124, 024501	3.9	9
71	Correlated atomic motions in liquid deuterium fluoride studied by coherent quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2007 , 126, 234509	3.9	9
70	Direct determination of the anisotropy and exchange splittings in the dimeric single-molecule magnet [Mn ₄ O ₃ Cl ₄ (O ₂ Cet) ₃ (py) ₃] ₂ ·8MeCN by inelastic neutron scattering. <i>Inorganic Chemistry</i> , 2005 , 44, 6771-6	5.1	9
69	Cation Dynamics and Structural Stabilization in Formamidinium Lead Iodide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3503-3508	6.4	9
68	Data analysis of neutron Compton scattering experiments using MANTID. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012016	0.3	9
67	Visualization of the Catalyzed Nuclear-Spin Conversion of Molecular Hydrogen Using Energy-Selective Neutron Imaging. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11745-11751	3.8	8
66	Time-resolved differential reflectivity as a probe of on-resonance exciton dynamics in quantum wells. <i>Physical Review B</i> , 2003 , 67,	3.3	8

65	New Scheme for Measuring the Angular Momentum Spatial Anisotropy of Vibrationally Excited H ₂ via the 1 _g State. <i>Zeitschrift Fur Physikalische Chemie</i> , 2000 , 214,	3.1	8
64	Dynamics and Structure of Poly(ethylene oxide) Intercalated in the Nanopores of Resorcinol-Formaldehyde Resin Nanoparticles. <i>Macromolecules</i> , 2016 , 49, 5704-5713	5.5	8
63	The interaction of hydrogen with corannulene, a promising new platform for energy storage. <i>Carbon</i> , 2019 , 155, 432-437	10.4	7
62	The VESUVIO Spectrometer Now and When?. <i>Journal of Physics: Conference Series</i> , 2014 , 571, 012006	0.3	7
61	Localized Relaxational Dynamics of Succinonitrile. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15007-15013	3.8	7
60	Inelastic neutron scattering study of a quantum spin trimer. <i>Physical Review B</i> , 2007 , 75,	3.3	7
59	ToF-Backscattering spectroscopy at the ISIS Facility: Status and Perspectives. <i>Journal of Physics: Conference Series</i> , 2018 , 1021, 012027	0.3	7
58	Enhancement of counting statistics and noise reduction in the forward-scattering detectors on the VESUVIO spectrometer. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012008	0.3	6
57	Gamma background characterization on VESUVIO: before and after the moderator upgrade. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012009	0.3	6
56	On the mechanism of proton conductivity in H ₃ OSbTeO ₆ . <i>Journal of Physics and Chemistry of Solids</i> , 2012 , 73, 808-817	3.9	6
55	Mechanism of enhancement of ferroelectricity of croconic acid with temperature. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 32216-32225	3.6	6
54	Spin dynamics in liquid and rotationally disordered solid oxygen. <i>Physical Review B</i> , 2008 , 78,	3.3	6
53	Experimental configurational landscapes in aqueous solutions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005 , 363, 469-90; discussion 490-2	3	6
52	Mass-selective neutron spectroscopy of glassy versus polycrystalline structures in binary mixtures of beryllium and zirconium. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012004	0.3	6
51	Hydrogen dynamics in solid formic acid: insights from simulations with quantum colored-noise thermostats. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012003	0.3	6
50	The TOSCA Spectrometer at ISIS: the Guide Upgrade and Beyond. <i>Journal of Physics: Conference Series</i> , 2018 , 1021, 012029	0.3	6
49	Synthesis and characterization of mixed sodium and lithium fullerides for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 16766-16773	6.7	6
48	Hydrogen/deuterium isotope effects in water and aqueous solutions of organic molecules and proteins. <i>Chemical Physics</i> , 2013 , 424, 62-69	2.3	5

47	Reduced mobility of di-propylene glycol methylether in its aqueous mixtures by quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2010 , 133, 234506	3.9	5
46	VI Workshop in Electron Volt Neutron Spectroscopy: Frontiers and Horizons. <i>Journal of Physics: Conference Series</i> , 2014 , 571, 011001	0.3	4
45	Dynamics of Caged Hydronium Ions and Super-protonic Conduction in (H3O)SbTeO6. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010 , 224, 279-287	3.1	4
44	Inelastic neutron scattering study of undeuterated [Mn9O7(OAc)11(thme)(py)3(H2O)2]. <i>Polyhedron</i> , 2005 , 24, 2455-2458	2.7	4
43	Heads or tails: how do chemically substituted fullerenes melt?. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 17202-9	3.6	4
42	Simultaneous thermodynamic and dynamical characterisation using in situ calorimetry with neutron spectroscopy. <i>Low Temperature Physics</i> , 2019 , 45, 289-293	0.7	3
41	Discussion: Measurement and Instrumentation. <i>Journal of Physics: Conference Series</i> , 2014 , 571, 012010	0.3	3
40	Over the Horizon: Future Roles of Electron Volt Neutron Spectroscopy. <i>Journal of Physics: Conference Series</i> , 2014 , 571, 012014	0.3	3
39	Induced quadrupolar singlet ground state of praseodymium in a modulated pyrochlore. <i>Physical Review B</i> , 2017 , 96,	3.3	3
38	Baseline Design of a Low Energy Neutron Source at ESS-Bilbao. <i>Physics Procedia</i> , 2014 , 60, 125-137		3
37	Neutron Spectroscopy as a Probe of Macromolecular Structure and Dynamics under Extreme Spatial Confinement. <i>Journal of Physics: Conference Series</i> , 2014 , 549, 012009	0.3	3
36	A McStas simulation of the incident neutron beam on the VESUVIO spectrometer. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012014	0.3	3
35	Neutrons Matter [VII] International Workshop on Electron-Volt Neutron Spectroscopy. <i>Neutron News</i> , 2018 , 29, 4-6	0.4	2
34	Two-dimensional ordering in 1-propanol-graphite-oxide intercalates: isotopic effects. <i>Molecular Physics</i> , 2019 , 117, 3434-3444	1.7	2
33	Guide design study for the high-resolution backscattering spectrometer FIRES. <i>Journal of Physics: Conference Series</i> , 2010 , 251, 012063	0.3	2
32	High-quality InGaAs/InP interfaces by the use of tertiary-butylarsine in MOVPE multi-quantum wells. <i>Journal of Crystal Growth</i> , 2002 , 244, 243-248	1.6	2
31	Hinweise für Streuresonanzen in der Reaktion H+D2. <i>Angewandte Chemie</i> , 2000 , 112, 2860-2864	3.6	2
30	OBSERVATION OF SCATTERING RESONANCES IN THE H+D2 REACTION: DIRECT PROBE OF THE HD2 TRANSITION-STATE GEOMETRY 2002 ,		2

29	Discovery of new neutron-moderating materials at ISIS Neutron and Muon Source. <i>EPJ Web of Conferences</i> , 2020 , 239, 17008	0.3	2
28	Dynamics & Spectroscopy with Neutrons-Recent Developments & Emerging Opportunities. <i>Polymers</i> , 2021 , 13,	4.5	2
27	Fractal dimension as a scaling law for nuclear quantum effects: a neutron Compton scattering study on carbon allotropes. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012007	0.3	2
26	Model selection in neutron Compton scattering - a Bayesian approach with physical constraints. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012012	0.3	2
25	Robust measurement of para-ortho H ₂ ratios to characterise the ISIS hydrogen moderators. <i>Journal of Physics: Conference Series</i> , 2018 , 1021, 012055	0.3	2
24	Neutron-resonance capture analysis on the VESUVIO spectrometer: Towards high-throughput material characterisation. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012015	0.3	1
23	A silicon analyser for the OSIRIS spectrometer: An analytical and Monte Carlo simulation study. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 947, 162740	1.2	1
22	Discussion: Theoretical Horizons and Calculation. <i>Journal of Physics: Conference Series</i> , 2014 , 571, 012013	0.3	1
21	Crystallization of para-Hydrogen: a quantum phase transition at finite temperature?. <i>Journal of Physics: Conference Series</i> , 2015 , 663, 012006	0.3	1
20	Guiding Criteria for Instrument Design at Long-pulse Neutron Sources. <i>Journal of Physics: Conference Series</i> , 2015 , 663, 012011	0.3	1
19	Baseline design of a low energy neutron source at ESS-Bilbao. <i>Journal of Physics: Conference Series</i> , 2014 , 549, 012001	0.3	1
18	Spectroscopic Signatures of the Alloy-Alloy Interface in InGaAs/GaAs(001) Stepped Quantum Wells: a Frequency- and Time-Resolved Study. <i>Advanced Engineering Materials</i> , 2002 , 4, 574-577	3.5	1
17	Spontaneous quantum dot formation at In _x Ga _{1-x} As In _y Ga _{1-y} As interfaces. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002 , 91-92, 33-37	3.1	1
16	Neutron Ray-Tracing Simulations of a New Supermirror Guide for the Osiris Spectrometer. <i>Journal of Surface Investigation</i> , 2020 , 14, S169-S174	0.5	1
15	Spin isomers in the ISIS TS1 cryogenic hydrogen moderator. <i>Journal of Physics: Conference Series</i> , 2018 , 1021, 012057	0.3	1
14	Nitrogen doping and the performance of superconducting radio-frequency niobium cavities: insights from neutron diffraction and neutron Compton scattering. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012006	0.3	1
13	Nuclear kinetic energies from final-state effects in the harmonic limit. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012011	0.3	1
12	The road to a station for epithermal and thermal neutron analysis. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012017	0.3	1

11	Neutrons matter: VII international workshop on electron-Volt neutron spectroscopy A preface to the workshop proceedings. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 011001	0.3	1
10	Observation of the stretch mode in H2 and D2 by inelastic neutron scattering spectroscopy. <i>Journal of Physics: Conference Series</i> , 2018 , 1055, 012001	0.3	1
9	Bayesian Inference in MANTID A Update. <i>Journal of Physics: Conference Series</i> , 2018 , 1021, 012012	0.3	1
8	Crystal Analyzers for Indirect-Geometry Broadband Neutron Spectrometers: Adding Reality to Idealized Design. <i>Journal of Surface Investigation</i> , 2020 , 14, S242-S250	0.5	0
7	Spectroscopic Signatures of Hydrogen-Bonding Motifs in Protonic Ionic Liquid Systems: Insights from Diethylammonium Nitrate in the Solid State. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 24463-24476	2.8	0
6	Emergence of dynamical disorder and phase metastability in carbon nanobowls. <i>Carbon</i> , 2021 , 183, 196-204	2.4	0
5	Hydrogen Detection Limits and Instrument Sensitivity of High-Resolution Broadband Neutron Spectrometers.. <i>Analytical Chemistry</i> , 2022 , 94, 5023-5028	7.8	0
4	Molecular Spectroscopy Science Meeting MSSM2016. <i>Neutron News</i> , 2017 , 28, 15-16	0.4	
3	Molecular (and Lattice) Dynamics to Analyse Neutron Scattering Experiments 2016 MDANSE2016. <i>Neutron News</i> , 2017 , 28, 17-18	0.4	
2	High-quality, Cr-doped InGaAs/InP(001) MQWs grown by tert-butylarsine in a MOVPE apparatus. <i>Journal of Crystal Growth</i> , 2003 , 248, 149-152	1.6	
1	A tribute to Alan Soper Foreword by the editors. <i>Molecular Physics</i> , 2019 , 117, 3195-3196	1.7	