

# Felix Fernandez-Alonso

## 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.

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	Hydrogen Detection Limits and Instrument Sensitivity of High-Resolution Broadband Neutron Spectrometers.. <i>Analytical Chemistry</i> , <b>2022</b> , 94, 5023-5028	7.8	0
153	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> , <b>2021</b> , 125, 24463-24476	3.8	0
152	Cation Dynamics and Structural Stabilization in Formamidinium Lead Iodide Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 3503-3508	6.4	9
151	Dynamics & Spectroscopy with Neutrons-Recent Developments & Emerging Opportunities. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
150	Emergence of dynamical disorder and phase metastability in carbon nanobowls. <i>Carbon</i> , <b>2021</b> , 183, 196-204	10.4	0
149	Deep-Glassy Ice VI Revealed with a Combination of Neutron Spectroscopy and Diffraction. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 1106-1111	6.4	12
148	Crystal Analyzers for Indirect-Geometry Broadband Neutron Spectrometers: Adding Reality to Idealized Design. <i>Journal of Surface Investigation</i> , <b>2020</b> , 14, S242-S250	0.5	0
147	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> , <b>2020</b> , 957, 163402	1.2	50
146	Discovery of new neutron-moderating materials at ISIS Neutron and Muon Source. <i>EPJ Web of Conferences</i> , <b>2020</b> , 239, 17008	0.3	2
145	Neutron Ray-Tracing Simulations of a New Supermirror Guide for the Osiris Spectrometer. <i>Journal of Surface Investigation</i> , <b>2020</b> , 14, S169-S174	0.5	1
144	The interaction of hydrogen with corannulene, a promising new platform for energy storage. <i>Carbon</i> , <b>2019</b> , 155, 432-437	10.4	7
143	Non-destructive quantitation of hydrogen via mass-resolved neutron spectroscopy. <i>Analyst, The</i> , <b>2019</b> , 144, 3936-3941	5	9
142	Simultaneous thermodynamic and dynamical characterisation using in situ calorimetry with neutron spectroscopy. <i>Low Temperature Physics</i> , <b>2019</b> , 45, 289-293	0.7	3
141	Neutronic developments on TOSCA and VESPA: Progress to date. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 562, 107-111	2.8	12
140	Visualization of the Catalyzed Nuclear-Spin Conversion of Molecular Hydrogen Using Energy-Selective Neutron Imaging. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 11745-11751	3.8	8
139	Two-dimensional ordering in 1-propanol-graphite-oxide intercalates: isotopic effects. <i>Molecular Physics</i> , <b>2019</b> , 117, 3434-3444	1.7	2
138	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> , <b>2019</b> , 947, 162740	1.2	1

137	A tribute to Alan Soper [Foreword by the editors. <i>Molecular Physics</i> , <b>2019</b> , 117, 3195-3196	1.7	
136	Emergence of glassy features in halomethane crystals. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	22
135	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> , <b>2018</b> , 896, 68-74	1.2	65
134	AbINS: The modern software for INS interpretation. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 551, 443-448	2.8	30
133	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> , <b>2018</b> , 888, 88-95	1.2	11
132	VESUVIO+: The Current Testbed for a Next-generation Epithermal Neutron Spectrometer. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1021, 012026	0.3	12
131	Deactivation of a Single-Site Gold-on-Carbon Acetylene Hydrochlorination Catalyst: An X-ray Absorption and Inelastic Neutron Scattering Study. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8493-8505	13.1	43
130	Enhancement of counting statistics and noise reduction in the forward-scattering detectors on the VESUVIO spectrometer. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012008	0.3	6
129	Gamma background characterization on VESUVIO: before and after the moderator upgrade. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012009	0.3	6
128	Neutron-resonance capture analysis on the VESUVIO spectrometer: Towards high-throughput material characterisation. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012015	0.3	1
127	Neutrons Matter [VII International Workshop on Electron-Volt Neutron Spectroscopy. <i>Neutron News</i> , <b>2018</b> , 29, 4-6	0.4	2
126	Spin isomers in the ISIS TS1 cryogenic hydrogen moderator. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1021, 012057	0.3	1
125	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> , <b>2018</b> , 1055, 012006	0.3	1
124	Mass-selective neutron spectroscopy of glassy versus polycrystalline structures in binary mixtures of beryllium and zirconium. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012004	0.3	6
123	ToF-Backscattering spectroscopy at the ISIS Facility: Status and Perspectives. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1021, 012027	0.3	7
122	Nuclear kinetic energies from final-state effects in the harmonic limit. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012011	0.3	1
121	Data analysis of neutron Compton scattering experiments using MANTID. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012016	0.3	9
120	The road to a station for epithermal and thermal neutron analysis. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012017	0.3	1

119	Hydrogen dynamics in solid formic acid: insights from simulations with quantum colored-noise thermostats. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012003	0.3	6
118	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> , <b>2018</b> , 1055, 012007	0.3	2
117	Neutrons matter: VII international workshop on electron-Volt neutron spectroscopy I A preface to the workshop proceedings. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 011001	0.3	1
116	Observation of the stretch mode in H2 and D2 by inelastic neutron scattering spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012001	0.3	1
115	Model selection in neutron Compton scattering - a Bayesian approach with physical constraints. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012012	0.3	2
114	A McStas simulation of the incident neutron beam on the VESUVIO spectrometer. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1055, 012014	0.3	3
113	Bayesian Inference in MANTID I An Update. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1021, 012012	0.3	1
112	The TOSCA Spectrometer at ISIS: the Guide Upgrade and Beyond. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1021, 012029	0.3	6
111	Robust measurement of para-ortho H2 ratios to characterise the ISIS hydrogen moderators. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1021, 012055	0.3	2
110	Synthesis and characterization of mixed sodium and lithium fullerides for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 16766-16773	6.7	6
109	Molecular Spectroscopy Science Meeting I MSSM2016. <i>Neutron News</i> , <b>2017</b> , 28, 15-16	0.4	
108	Electron-volt neutron spectroscopy: beyond fundamental systems. <i>Advances in Physics</i> , <b>2017</b> , 66, 1-73	18.4	71
107	Molecular (and Lattice) Dynamics to Analyse Neutron Scattering Experiments 2016 I MDANSE2016. <i>Neutron News</i> , <b>2017</b> , 28, 17-18	0.4	
106	Nuclear dynamics and phase polymorphism in solid formic acid. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 9064-9074	3.6	27
105	Characterisation of the incident beam and current diffraction capabilities on the VESUVIO spectrometer. <i>Measurement Science and Technology</i> , <b>2017</b> , 28, 095501	2	44
104	Atomic Quantum Dynamics in Materials Research. <i>Experimental Methods in the Physical Sciences</i> , <b>2017</b> , 403-457	0.4	24
103	Induced quadrupolar singlet ground state of praseodymium in a modulated pyrochlore. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	3
102	On the microscopic mechanism behind the purely orientational disorder-disorder transition in the plastic phase of 1-chloroadamantane. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 20259-20266	3.6	9

101	Mechanism of enhancement of ferroelectricity of croconic acid with temperature. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 32216-32225	3.6	6
100	Detecting Molecular Rotational Dynamics Complementing the Low-Frequency Terahertz Vibrations in a Zirconium-Based Metal-Organic Framework. <i>Physical Review Letters</i> , <b>2017</b> , 118, 255502	7.4	42
99	Isothermal equation of state and high-pressure phase transitions of synthetic meridianiite (MgSO <sub>4</sub> ·11D <sub>2</sub> O) determined by neutron powder diffraction and quasielastic neutron spectroscopy. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2017</b> , 73, 33-46	1.8	13
98	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> , <b>2017</b> , 870, 79-83	1.2	18
97	Soft confinement of water in graphene-oxide membranes. <i>Carbon</i> , <b>2016</b> , 108, 199-203	10.4	19
96	Unexpected Cation Dynamics in the Low-Temperature Phase of Methylammonium Lead Iodide: The Need for Improved Models. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 4701-4709	6.4	42
95	A robust comparison of dynamical scenarios in a glass-forming liquid. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 3975-81	3.6	10
94	Absorbate-induced ordering and bilayer formation in propanol-graphite-oxide intercalates. <i>Carbon</i> , <b>2016</b> , 100, 546-555	10.4	17
93	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> , <b>2016</b> , 18, 19894-901	3.6	15
92	Heads or tails: how do chemically substituted fullerenes melt?. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 17202-9	3.6	4
91	Dynamics and Structure of Poly(ethylene oxide) Intercalated in the Nanopores of Resorcinol-Formaldehyde Resin Nanoparticles. <i>Macromolecules</i> , <b>2016</b> , 49, 5704-5713	5.5	8
90	Nuclear dynamics in the metastable phase of the solid acid caesium hydrogen sulfate. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 31287-96	3.6	27
89	Monte carlo simulations of the TOSCA spectrometer: Assessment of current performance and future upgrades. <i>EPJ Web of Conferences</i> , <b>2015</b> , 83, 03013	0.3	17
88	FABADA Goes MANTID to Answer an Old Question: How Many Lines Are There?. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 663, 012009	0.3	10
87	Crystallization of para-Hydrogen: a quantum phase transition at finite temperature?. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 663, 012006	0.3	1
86	Guiding Criteria for Instrument Design at Long-pulse Neutron Sources. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 663, 012011	0.3	1
85	Opening the terahertz window on the OSIRIS spectrometer. <i>EPJ Web of Conferences</i> , <b>2015</b> , 83, 03003	0.3	14
84	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> , <b>2014</b> , 118, 25740-25747	3.8	9

83	Recent and future developments on TOSCA at ISIS. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 554, 012003		83
82	Mass-selective Neutron Spectroscopy Beyond the Proton. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 571, 012002	0.3	12
81	VI Workshop in Electron Volt Neutron Spectroscopy: Frontiers and Horizons. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 571, 011001	0.3	4
80	The Harmonic Picture of Nuclear Mean Kinetic Energies in Heavy Water. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 571, 012003	0.3	11
79	VESUVIO Data Analysis Goes MANTID. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 571, 012009	0.3	15
78	Discussion: Measurement and Instrumentation. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 571, 012010	0.3	3
77	Over the Horizon: Future Roles of Electron Volt Neutron Spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 571, 012014	0.3	3
76	Discussion: Theoretical Horizons and Calculation. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 571, 012013	0.3	1
75	The VESUVIO Spectrometer Now and When?. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 571, 012006	0.3	7
74	Baseline Design of a Low Energy Neutron Source at ESS-Bilbao. <i>Physics Procedia</i> , <b>2014</b> , 60, 125-137		3
73	Intercalation and Confinement of Poly(ethylene oxide) in Porous Carbon Nanoparticles with Controlled Morphologies. <i>Macromolecules</i> , <b>2014</b> , 47, 8729-8737	5.5	11
72	Neutron Spectroscopy as a Probe of Macromolecular Structure and Dynamics under Extreme Spatial Confinement. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 549, 012009	0.3	3
71	Hydrogen-bond structure and anharmonicity in croconic acid. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 26234-9	3.6	10
70	Identifying the role of terahertz vibrations in metal-organic frameworks: from gate-opening phenomenon to shear-driven structural destabilization. <i>Physical Review Letters</i> , <b>2014</b> , 113, 215502	7.4	159
69	Baseline design of a low energy neutron source at ESS-Bilbao. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 549, 012001	0.3	1
68	Equation of state of synthetic mirabilite (Na <sub>2</sub> SO <sub>4</sub> ·10D <sub>2</sub> O) determined by powder neutron diffraction. <i>Journal of Applied Crystallography</i> , <b>2013</b> , 46, 448-460	3.8	9
67	Hydrogen/deuterium isotope effects in water and aqueous solutions of organic molecules and proteins. <i>Chemical Physics</i> , <b>2013</b> , 424, 62-69	2.3	5
66	Confinement of poly(ethylene oxide) in the nanometer-scale pores of resins and carbon nanoparticles. <i>Soft Matter</i> , <b>2013</b> , 9, 10960	3.6	13

65	Ferroelectric behaviour in solid croconic acid using neutron scattering and first-principles density functional theory. <i>Chemical Physics</i> , <b>2013</b> , 427, 95-100	2.3	17
64	Hydrogen Bonding in the Organic Ferroelectric Croconic Acid: Insights from Experiment and First-Principles Modelling. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, SA001	1.5	10
63	Mass-selective neutron spectroscopy of lithium hydride and deuteride: Experimental assessment of the harmonic and impulse approximations. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	21
62	An Introduction to Neutron Scattering. <i>Experimental Methods in the Physical Sciences</i> , <b>2013</b> , 1-136	0.4	21
61	On the mechanism of proton conductivity in H3OSbTeO6. <i>Journal of Physics and Chemistry of Solids</i> , <b>2012</b> , 73, 808-817	3.9	6
60	Vibron quasibound state in the noncentrosymmetric tetragonal heavy-fermion compound CeCuAl3. <i>Physical Review Letters</i> , <b>2012</b> , 108, 216402	7.4	44
59	Tunable uptake of poly(ethylene oxide) by graphite-oxide-based materials. <i>Carbon</i> , <b>2012</b> , 50, 5232-5241	10.4	21
58	Two-Dimensional Subnanometer Confinement of Ethylene Glycol and Poly(ethylene oxide) by Neutron Spectroscopy: Molecular Size Effects. <i>Macromolecules</i> , <b>2012</b> , 45, 3137-3144	5.5	39
57	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> , <b>2012</b> , 1, 550-554	6.6	37
56	Improved description of soft layered materials with van der Waals density functional theory. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 424216	1.8	134
55	Solid para-hydrogen as the paradigmatic quantum crystal: Three observables probed by ultrahigh-resolution neutron spectroscopy. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	17
54	Inelastic neutron scattering studies on the odd-membered antiferromagnetic wheel Cr8Ni. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	10
53	Polymers under extreme two-dimensional confinement: Poly(ethylene oxide) in graphite oxide. <i>Soft Matter</i> , <b>2011</b> , 7, 7173	3.6	43
52	Probing the binding and spatial arrangement of molecular hydrogen in porous hosts via neutron Compton scattering. <i>Faraday Discussions</i> , <b>2011</b> , 151, 171-97; discussion 199-212	3.6	26
51	H/D isotope effects in protein thermal denaturation: the case of bovine serum albumin. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 1881-8	3.4	27
50	Ab initio nuclear momentum distributions in lithium hydride: Assessing nonadiabatic effects. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	26
49	Guide design study for the high-resolution backscattering spectrometer FIRES. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 251, 012063	0.3	2
48	Reduced mobility of di-propylene glycol methylether in its aqueous mixtures by quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 234506	3.9	5

47	Dynamics of Caged Hydronium Ions and Super-protonic Conduction in (H <sub>3</sub> O)SbTeO <sub>6</sub> . <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2010</b> , 224, 279-287	3.1	4
46	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> , <b>2009</b> , 130, 205101	3.9	33
45	Phase behaviour and thermoelastic properties of perdeuterated ammonia hydrate and ice polymorphs from 0 to 2 GPa. <i>Journal of Applied Crystallography</i> , <b>2009</b> , 42, 846-866	3.8	27
44	Localized Relaxational Dynamics of Succinonitrile. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 15007-15013	3.3	7
43	Simultaneous neutron scattering and Raman scattering. <i>Applied Spectroscopy</i> , <b>2009</b> , 63, 727-32	3.1	33
42	Strong physisorption site for H <sub>2</sub> in K- and Li-doped porous carbons. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 224701	3.9	22
41	Spin dynamics in liquid and rotationally disordered solid oxygen. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	6
40	Quantum delocalization of molecular hydrogen in alkali-graphite intercalates. <i>Physical Review Letters</i> , <b>2008</b> , 101, 126101	7.4	29
39	Dynamics of lipidβaccharide nanoparticles by quasielastic neutron scattering. <i>Chemical Physics</i> , <b>2008</b> , 345, 239-244	2.3	9
38	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> , <b>2008</b> , 14, 5144-58	4.8	33
37	Standing spin waves in an antiferromagnetic molecular Cr 6 horseshoe. <i>Europhysics Letters</i> , <b>2007</b> , 79, 17003	1.6	13
36	Nature of the bound states of molecular hydrogen in carbon nanohorns. <i>Physical Review Letters</i> , <b>2007</b> , 98, 215503	7.4	61
35	Proton-Containing Yttrium-Doped Barium Cerate: A Simultaneous Structural and Dynamic Study by Neutron Scattering. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 6574-6580	3.8	13
34	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> , <b>2007</b> , 13, 8445-53	4.8	67
33	Correlated atomic motions in liquid deuterium fluoride studied by coherent quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 234509	3.9	9
32	Inelastic neutron scattering study of a quantum spin trimer. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	7
31	Observation of fractional Stokes-Einstein behavior in the simplest hydrogen-bonded liquid. <i>Physical Review Letters</i> , <b>2007</b> , 98, 077801	7.4	35
30	The high-pressure phase diagram of ammonia dihydrate. <i>High Pressure Research</i> , <b>2007</b> , 27, 201-212	1.6	50



29	Observation of Hydride Mobility in the Transition-Metal Oxide Hydride LaSrCoO <sub>3</sub> H <sub>0.7</sub> . <i>Advanced Materials</i> , <b>2006</b> , 18, 3304-3308	24	30
28	Proton dynamics in lithium-ammonia solutions and expanded metals. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 024501	3.9	9
27	Pressure dependence of the exchange interaction in the dimeric single-molecule magnet [Mn <sub>4</sub> O <sub>3</sub> Cl <sub>4</sub> (O <sub>2</sub> Cet) <sub>3</sub> (py) <sub>3</sub> ] <sub>2</sub> from inelastic neutron scattering. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	10
26	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> , <b>2006</b> , 45, 8950-7	5.1	71
25	The structure and dynamics of 2-dimensional fluids in swelling clays. <i>Chemical Geology</i> , <b>2006</b> , 230, 182-196	4.6	102
24	Direct determination of the anisotropy and exchange splittings in the dimeric single-molecule magnet [Mn <sub>4</sub> O <sub>3</sub> Cl <sub>4</sub> (O <sub>2</sub> Cet) <sub>3</sub> (py) <sub>3</sub> ] <sub>2</sub> .8MeCN by inelastic neutron scattering. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 6771-6	5.1	9
23	Experimental configurational landscapes in aqueous solutions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2005</b> , 363, 469-90; discussion 490-2	3	6
22	Inelastic neutron scattering study of undeuterated [Mn <sub>9</sub> O <sub>7</sub> (OAc) <sub>11</sub> (thme)(py) <sub>3</sub> (H <sub>2</sub> O) <sub>2</sub> ]. <i>Polyhedron</i> , <b>2005</b> , 24, 2455-2458	2.7	4
21	High-quality, Cr-doped InGaAs/InP(001) MQWs grown by tert-butylarsine in a MOVPE apparatus. <i>Journal of Crystal Growth</i> , <b>2003</b> , 248, 149-152	1.6	
20	Time-resolved differential reflectivity as a probe of on-resonance exciton dynamics in quantum wells. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	8
19	Measurement of the cross section for H+D <sub>2</sub> -kD(v <sub>2</sub> =3,j <sub>2</sub> =0)+D as a function of angle and energy. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 4662-4670	3.9	22
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> , <b>2002</b> , 4, 574-577	3.5	1
17	Spontaneous quantum dot formation at In <sub>x</sub> Ga <sub>1-x</sub> As   In <sub>y</sub> Ga <sub>1-y</sub> As interfaces. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2002</b> , 91-92, 33-37	3.1	1
16	Observation and interpretation of a time-delayed mechanism in the hydrogen exchange reaction. <i>Nature</i> , <b>2002</b> , 416, 67-70	50.4	172
15	High-quality InGaAs/InP interfaces by the use of tertiary-butylarsine in MOVPE multi-quantum wells. <i>Journal of Crystal Growth</i> , <b>2002</b> , 244, 243-248	1.6	2
14	Third-order optical non-linearities in titanium bis-phthalocyanine/toluene solutions. <i>Chemical Physics Letters</i> , <b>2002</b> , 356, 607-613	2.5	11
13	Scattering resonances in the simplest chemical reaction. <i>Annual Review of Physical Chemistry</i> , <b>2002</b> , 53, 67-99	15.7	156
12	State-resolved differential and integral cross sections for the reaction H+D <sub>2</sub> -kD(v <sub>2</sub> =3,j <sub>2</sub> =0 <sub>2</sub> )+D at 1.64 eV collision energy. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 6634-6639	3.9	36

11	OBSERVATION OF SCATTERING RESONANCES IN THE H+D <sub>2</sub> REACTION: DIRECT PROBE OF THE HD <sub>2</sub> TRANSITION-STATE GEOMETRY <b>2002</b> ,		2
10	Forward scattering in the H+D <sub>2</sub> -HD+D reaction: Comparison between experiment and theoretical predictions. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 4534-4545	3.9	31
9	Distribution of Rovibrational Product States for the Prompt Reaction H + D <sub>2</sub> (v=0, j=0) -> HD(v=1, 2, 0) + D near 1.6 eV Collision Energy <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 2228-2233	2.8	32
8	Hinweise für Streuresonanzen in der Reaktion H+D <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2000</b> , 112, 2860-2864	3.6	2
7	Evidence for Scattering Resonances in the H+D <sub>2</sub> Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 2748-2752	16.4	47
6	New Scheme for Measuring the Angular Momentum Spatial Anisotropy of Vibrationally Excited H <sub>2</sub> via the I(1 <sub>g</sub> ) State. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2000</b> , 214,	3.1	8
5	Differential cross sections for H+D <sub>2</sub> -HD (v=2, J=0,3,5)+D at 1.55 eV. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 2490-2498	3.9	28
4	Measurement of the HD(v=2, J=3) product differential cross section for the H+D <sub>2</sub> exchange reaction at 1.55±0.05 eV using the photoloc technique. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 1022-1034	2.9	36
3	Differential cross sections for H+D <sub>2</sub> -HD(v=1, J=1,5,8)+D at 1.7 eV. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 1035-1042	3.9	31
2	The role of three-body interactions in the adsorption of argon in silicalite-1. <i>Molecular Physics</i> , <b>1995</b> , 86, 1021-1030	1.7	11
1	Laser-induced fluorescence diagnostics of a propane/air flame with a manganese fuel additive. <i>Combustion and Flame</i> , <b>1994</b> , 99, 261-268	5.3	12