

Carla Andreani

List of Publications by Year in descending order

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220
papers

4,608
citations

94433

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144013

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docs citations

224
times ranked

2157
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Detection Limits and Instrument Sensitivity of High-Resolution Broadband Neutron Spectrometers. <i>Analytical Chemistry</i> , 2022, 94, 5023-5028.	6.5	2
2	Ultralow Power System-on-Chip SRAM Characterization by Alpha and Neutron Irradiation. <i>IEEE Transactions on Nuclear Science</i> , 2021, 68, 2598-2608.	2.0	2
3	The neutron cross section of barite-enriched concrete for radioprotection shielding in the range 1 meVâ€“1 keV. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	5
4	Looking for Minor Phenolic Compounds in Extra Virgin Olive Oils Using Neutron and Raman Spectroscopies. <i>Antioxidants</i> , 2021, 10, 643.	5.1	5
5	Thermal neutron cross sections of amino acids from average contributions of functional groups. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 285901.	1.8	7
6	Time-resolved prompt-gamma activation analysis at spallation neutron sources and applications to cultural heritage, security, and radiation protection. <i>Physics Open</i> , 2021, 7, 100073.	1.5	2
7	Evaluation of the imaging performance of the TECNOMUSE muon tomograph and its feasibility in a real scenario. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	2
8	MWCNT/rGO/natural rubber latex dispersions for innovative, piezo-resistive and cement-based composite sensors. <i>Scientific Reports</i> , 2021, 11, 18975.	3.3	6
9	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.	1.6	90
10	Cu-based alloys as a benchmark for T-PGAA quantitative analysis at spallation neutron sources. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 331-340.	3.0	8
11	Effect of coating systems as a barrier to humidity for lutherie woods studied by neutron radiography. <i>Journal of Cultural Heritage</i> , 2020, 43, 255-260.	3.3	0
12	Hydrogen nuclear mean kinetic energy in water down the Mariana Trench: Competition of pressure and salinity. <i>Journal of Chemical Physics</i> , 2020, 153, 134306.	3.0	1
13	A Python Algorithm to Analyze Inelastic Neutron Scattering Spectra Based on the γ -Scale Formalism. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 7671-7680.	5.3	5
14	Chemometrics tools for Advanced Spectroscopic Analyses. <i>Journal of Physics: Conference Series</i> , 2020, 1548, 012030.	0.4	1
15	Hydrogen Dynamics in Supercritical Water Probed by Neutron Scattering and Computer Simulations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9461-9467.	4.6	11
16	The effective isotropy of the hydrogen local potential in biphenyl and other hydrocarbons. <i>Journal of Chemical Physics</i> , 2020, 153, 234306.	3.0	5
17	Neutrons for Cultural Heritageâ€™ Techniques, Sensors, and Detection. <i>Sensors</i> , 2020, 20, 502.	3.8	19
18	FLUKA simulations and benchmark measurements of the YAP(Ce) scintillators installed on the VESUVIO spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 969, 164012.	1.6	7

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19	Optimization of detection strategies for epithermal neutron spectroscopy using photon-sensitive detectors. Review of Scientific Instruments, 2019, 90, 073901.	1.3	9
20	Composition- Nanostructure Steered Performance Predictions in Steel Wires. Nanomaterials, 2019, 9, 1119.	4.1	15
21	First analysis of ancient burned human skeletal remains probed by neutron and optical vibrational spectroscopy. Science Advances, 2019, 5, eaaw1292.	10.3	19
22	Aggregation States of A β 40, A β 42 and p3 β 42 Amyloid Beta Peptides: A SANS Study. International Journal of Molecular Sciences, 2019, 20, 4126.	4.1	23
23	Validation of a new data-analysis software for multiple-peak analysis of \hat{I}^3 spectra at ISIS pulsed Neutron and Muon Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 938, 51-55.	1.6	3
24	The onset of the tetrabonded structure in liquid water. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	12
25	Egyptian metallic inks on textiles from the 15th century BCE unravelled by non-invasive techniques and chemometric analysis. Scientific Reports, 2019, 9, 7310.	3.3	17
26	Neutronic developments on TOSCA and VESPA: Progress to date. Physica B: Condensed Matter, 2019, 562, 107-111.	2.7	16
27	Sumerian Pottery Technology Studied Through Neutron Diffraction and Chemometrics at Abu Tbeirah (Iraq). Geosciences (Switzerland), 2019, 9, 74.	2.2	3
28	SANS study of Amyloid Unfolded monomers in DMSO, multidimensional aggregates in water medium. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 385-391.	2.6	2
29	Neutron Diffraction and (n, \hat{I}^3)-Based Techniques for Cultural Heritage. , 2019, , 61-77.		2
30	Egyptian Grave Goods of Kha and Merit Studied by Neutron and Gamma Techniques. Angewandte Chemie - International Edition, 2018, 57, 7375-7379.	13.8	11
31	Measurement of the para-hydrogen concentration in the ISIS moderators using neutron transmission and thermal conductivity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 888, 88-95.	1.6	14
32	Hydrogen mean force and anharmonicity in polycrystalline and amorphous ice. Frontiers of Physics, 2018, 13, 1.	5.0	9
33	Egyptian Grave Goods of Kha and Merit Studied by Neutron and Gamma Techniques. Angewandte Chemie, 2018, 130, 7497-7501.	2.0	2
34	The road to a station for epithermal and thermal neutron analysis. Journal of Physics: Conference Series, 2018, 1055, 012017.	0.4	4
35	Neutron resonance capture analysis and chemometric tools: an integrated approach. Journal of Physics: Conference Series, 2018, 1055, 012005.	0.4	1
36	Towards a compact Laser based Neutron source. Journal of Physics: Conference Series, 2018, 1021, 012011.	0.4	0

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37	Neutrons matter: VII international workshop on electron-Volt neutron spectroscopy – A preface to the workshop proceedings. Journal of Physics: Conference Series, 2018, 1055, 011001.	0.4	2
38	Absolute efficiency calibration of a coaxial HPGe detector for quantitative PGAA and T-PGAA. Journal of Physics: Conference Series, 2018, 1055, 012010.	0.4	3
39	VESUVIO+: The Current Testbed for a Next-generation Epithermal Neutron Spectrometer. Journal of Physics: Conference Series, 2018, 1021, 012026.	0.4	18
40	A complementary compact laser based neutron source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 323-326.	1.6	1
41	Enhancement of counting statistics and noise reduction in the forward-scattering detectors on the VESUVIO spectrometer. Journal of Physics: Conference Series, 2018, 1055, 012008.	0.4	6
42	Gamma background characterization on VESUVIO: before and after the moderator upgrade. Journal of Physics: Conference Series, 2018, 1055, 012009.	0.4	6
43	Fast neutron irradiation tests of flash memories used in space environment at the ISIS spallation neutron source. AIP Advances, 2018, 8, .	1.3	12
44	Setup and experimental results analysis of COTS Camera and SRAMs at the ISIS neutron facility. , 2018, , .		2
45	Neutrons Matter – VII International Workshop on Electron-Volt Neutron Spectroscopy. Neutron News, 2018, 29, 4-6.	0.2	2
46	Neutron irradiation of an ARM Cortex-M0 Core. , 2018, , .		1
47	Electron-volt neutron spectroscopy: beyond fundamental systems. Advances in Physics, 2017, 66, 1-73.	14.4	81
48	Probing Our Heritage with Neutrons – One Successful Story. Neutron Scattering Applications and Techniques, 2017, , 3-18.	0.2	0
49	Characterisation of the incident beam and current diffraction capabilities on the VESUVIO spectrometer. Measurement Science and Technology, 2017, 28, 095501.	2.6	55
50	Compositional studies of functional orthodontic archwires using prompt-gamma activation analysis at a pulsed neutron source. Journal of Analytical Atomic Spectrometry, 2017, 32, 1420-1427.	3.0	14
51	Characterization of $\hat{\gamma}^3$ -ray background at IMAT beamline of ISIS Spallation Neutron Source. Journal of Instrumentation, 2017, 12, P08005-P08005.	1.2	8
52	A neutron study of sealed pottery from the grave-goods of Kha and Merit. Journal of Analytical Atomic Spectrometry, 2017, 32, 1342-1347.	3.0	14
53	High-energy neutrons characterization of a safety critical computing system. , 2017, , .		4
54	Atomic Quantum Dynamics in Materials Research. Experimental Methods in the Physical Sciences, 2017, , 403-457.	0.1	27

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55	Orthodontic archwire composition and phase analyses by neutron spectroscopy. <i>Dental Materials Journal</i> , 2017, 36, 282-288.	1.8	15
56	Compact accelerator-driven neutron sources. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	8
57	Virtual unrolling and deciphering of Herculaneum papyri by X-ray phase-contrast tomography. <i>Scientific Reports</i> , 2016, 6, 27227.	3.3	27
58	Research opportunities with compact accelerator-driven neutron sources. <i>Physics Reports</i> , 2016, 654, 1-58.	25.6	91
59	Radiative neutron capture as a counting technique at pulsed spallation neutron sources: a review of current progress. <i>Reports on Progress in Physics</i> , 2016, 79, 094301.	20.1	14
60	Soft confinement of water in graphene-oxide membranes. <i>Carbon</i> , 2016, 108, 199-203.	10.3	27
61	Isotope identification capabilities using time resolved prompt gamma emission from epithermal neutrons. <i>Journal of Instrumentation</i> , 2016, 11, C03060-C03060.	1.2	19
62	Direct Measurements of Quantum Kinetic Energy Tensor in Stable and Metastable Water near the Triple Point: An Experimental Benchmark. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2216-2220.	4.6	33
63	Evolution of Hydrogen Dynamics in Amorphous Ice with Density. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2038-2042.	4.6	28
64	Probing the effects of 2D confinement on hydrogen dynamics in water and ice adsorbed in graphene oxide sponges. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 31680-31684.	2.8	20
65	Neutron resonance transmission imaging for 3D elemental mapping at the ISIS spallation neutron source. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 745-750.	3.0	29
66	Measurement of proton momentum distributions using a direct geometry instrument. <i>Journal of Physics: Conference Series</i> , 2014, 571, 012007.	0.4	12
67	Discussion: Nuclear Quantum Dynamics - Protons and Beyond. <i>Journal of Physics: Conference Series</i> , 2014, 571, 012004.	0.4	3
68	Applications of Compact Accelerator-driven Neutron Sources: An Updated Assessment from the Perspective of Materials Research in Italy. <i>Physics Procedia</i> , 2014, 60, 228-237.	1.2	2
69	Measurements of gamma-ray background spectra at spallation neutron source beamlines. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1897-1903.	3.0	19
70	Neutrons and music: Imaging investigation of ancient wind musical instruments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 336, 63-69.	1.4	7
71	The Harmonic Picture of Nuclear Mean Kinetic Energies in Heavy Water. <i>Journal of Physics: Conference Series</i> , 2014, 571, 012003.	0.4	16
72	Discussion: Measurement and Instrumentation. <i>Journal of Physics: Conference Series</i> , 2014, 571, 012010.	0.4	4

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73	Epithermal neutron instrumentation at ISIS. <i>Journal of Physics: Conference Series</i> , 2014, 571, 012005.	0.4	9
74	Temperature dependence of the zero point kinetic energy in ice and water above room temperature. <i>Chemical Physics</i> , 2013, 427, 111-116.	1.9	34
75	A combined INS and DINS study of proton quantum dynamics of ice and water across the triple point and in the supercritical phase. <i>Chemical Physics</i> , 2013, 427, 106-110.	1.9	32
76	From neutron Compton profiles to momentum distribution: Assessment of direct numerical determination. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 704, 36-39.	1.6	5
77	Direct Measurement of Competing Quantum Effects on the Kinetic Energy of Heavy Water upon Melting. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3251-3256.	4.6	64
78	Simultaneous and integrated neutron-based techniques for material analysis of a metallic ancient flute. <i>Measurement Science and Technology</i> , 2013, 24, 095601.	2.6	10
79	Pulsed neutron gamma-ray logging in archaeological site survey. <i>Measurement Science and Technology</i> , 2013, 24, 125903.	2.6	11
80	The quantum nature of the OH stretching mode in ice and water probed by neutron scattering experiments. <i>Journal of Chemical Physics</i> , 2013, 139, 074504.	3.0	39
81	Neutron and alpha SER in advanced NAND Flash memories. , 2013, , .		2
82	Localization of inclusions in multiple prompt gamma ray analysis: a feasibility study. <i>Journal of Physics: Conference Series</i> , 2013, 470, 012001.	0.4	3
83	Spherical momentum distribution of the protons in hexagonal ice from modeling of inelastic neutron scattering data. <i>Journal of Chemical Physics</i> , 2012, 136, 024504.	3.0	43
84	Diamond detector for high rate monitors of fast neutrons beams. , 2012, , .		3
85	Diamond detectors for fast neutron measurements at pulsed spallation sources. <i>Journal of Instrumentation</i> , 2012, 7, C05015-C05015.	1.2	28
86	Modern and Historical Engineering Components Investigated by Neutron Diffraction on ENGIN-X. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2012, 6, 408-418.	0.5	4
87	Neutron-Induced Upsets in NAND Floating Gate Memories. <i>IEEE Transactions on Device and Materials Reliability</i> , 2012, 12, 437-444.	2.0	21
88	Temperature dependence of neutron-induced soft errors in SRAMs. <i>Microelectronics Reliability</i> , 2012, 52, 289-293.	1.7	24
89	Interaction of single water molecules with silanols in mesoporous silica. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6022.	2.8	30
90	Imaging of cultural heritage objects using neutron resonances. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 992.	3.0	29

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91	Non destructive neutron diffraction measurements of cavities, inhomogeneities, and residual strain in bronzes of Ghiberti's relief from the Gates of Paradise. Journal of Applied Physics, 2011, 109, 064908.	2.5	8
92	Ground state proton dynamics in stable phases of water. Chemical Physics Letters, 2011, 518, 1-6.	2.6	12
93	Diamond detectors for fast neutron irradiation experiments. Nuclear Physics, Section B, Proceedings Supplements, 2011, 215, 242-246.	0.4	17
94	Fission diamond detector tests at the ISIS spallation neutron source. Nuclear Physics, Section B, Proceedings Supplements, 2011, 215, 313-315.	0.4	22
95	Comment on "High-energy neutron scattering from hydrogen using a direct geometry spectrometer". Physical Review B, 2011, 84, .	3.2	5
96	Investigation of Residual Stress Distribution of Wheel Rims Using Neutron Diffraction. Materials Science Forum, 2011, 681, 522-526.	0.3	2
97	Fission diamond detectors for fast-neutron ToF spectroscopy. Europhysics Letters, 2011, 94, 62001.	2.0	33
98	Single-crystal diamond detector for time-resolved measurements of a pulsed fast-neutron beam. Europhysics Letters, 2010, 92, 68003.	2.0	39
99	Scaling trends of neutron effects in MLC NAND Flash memories. , 2010, , .		11
100	Quantum effects in water: proton kinetic energy maxima in stable and supercooled liquid. Brazilian Journal of Physics, 2009, 39, 318-321.	1.4	27
101	Pietro Paolo et al. Reply. Physical Review Letters, 2009, 103, .	7.8	11
102	A silicon photomultiplier readout for time of flight neutron spectroscopy with $\hat{3}$ -ray detectors. Review of Scientific Instruments, 2009, 80, 095108.	1.3	6
103	A nondestructive stratigraphic and radiographic neutron study of Lorenzo Ghiberti's reliefs from paradise and north doors of Florence baptistry. Journal of Applied Physics, 2009, 106, 074909.	2.5	15
104	-Ray background sources in the VESUVIO spectrometer at ISIS spallation neutron source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 121-124.	1.6	19
105	Characterization of the neutron field at the ISIS-VESUVIO facility by means of a bonner sphere spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 612, 143-148.	1.6	39
106	Novel Neutron Imaging Techniques for Cultural Heritage Objects. Neutron Scattering Applications and Techniques, 2009, , 229-252.	0.2	8
107	Constant-q data representation in Neutron Compton scattering on the VESUVIO spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 244-252.	1.6	8
108	Prompt gamma activation analysis and time of flight neutron diffraction on "black boxes" in the "Ancient Charm" project. Journal of Radioanalytical and Nuclear Chemistry, 2008, 278, 661-664.	1.5	5

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109	The very low angle detector for high-energy inelastic neutron scattering on the VESUVIO spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 589, 296-303.	1.6	4
110	Neutron-induced soft errors in advanced flash memories. , 2008, , .		15
111	Factors impacting the temperature dependence of soft errors in commercial SRAMs. , 2008, , .		7
112	Proton Momentum Distribution of Liquid Water from Room Temperature to the Supercritical Phase. Physical Review Letters, 2008, 100, 177801.	7.8	75
113	Excess of Proton Mean Kinetic Energy in Supercooled Water. Physical Review Letters, 2008, 100, 127802.	7.8	84
114	Composition and corrosion phases of Etruscan Bronzes from Villanovan Age. Measurement Science and Technology, 2008, 19, 034004.	2.6	19
115	Facility for fast neutron irradiation tests of electronics at the ISIS spallation neutron source. Applied Physics Letters, 2008, 92, 114101.	3.3	63
116	Advances on detectors for low-angle scattering of epithermal neutrons. Measurement Science and Technology, 2008, 19, 047001.	2.6	5
117	He4adsorbed in cylindrical silica nanopores: Effect of size on the single-atom mean kinetic energy. Physical Review B, 2007, 75, .	3.2	14
118	Proton quantum coherence observed in water confined in silica nanopores. Journal of Chemical Physics, 2007, 127, 154501.	3.0	68
119	A New Hardware/Software Platform and a New 1/E Neutron Source for Soft Error Studies: Testing FPGAs at the ISIS Facility. IEEE Transactions on Nuclear Science, 2007, 54, 1184-1189.	2.0	77
120	Structure and Single Proton Dynamics of Bulk Supercooled Water. Journal of Molecular Liquids, 2007, 136, 236-240.	4.9	3
121	Resolution function in deep inelastic neutron scattering using the Foil Cycling Technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 498-510.	1.6	25
122	DINS measurements on VESUVIO in the Resonance Detector configuration: proton mean kinetic energy in water. Journal of Instrumentation, 2006, 1, P04001-P04001.	1.2	41
123	VLAD for epithermal neutron scattering experiments at large energy transfers. Journal of Physics: Conference Series, 2006, 41, 451-459.	0.4	2
124	Comparison of Cadmiumâ€Zincâ€Telluride semiconductor and Yttriumâ€Aluminumâ€Perovskite scintillator as photon detectors for epithermal neutron spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 337-340.	1.6	6
125	Development of the Very Low Angle Detector (VLAD) for detection of epithermal neutrons at low momentum transfers. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 421-425.	0.4	3
126	Investigation of high-energy inelastic neutron scattering from liquid water confined in silica xerogel. Physica B: Condensed Matter, 2006, 385-386, 1095-1097.	2.7	2

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127	The O-H stretching band in ice Ih derived via eV neutron spectroscopy on VESUVIO using the new very low angle detector bank. Applied Physics A: Materials Science and Processing, 2006, 83, 453-460.	2.3	13
128	Mean kinetic energy of helium atoms in fluid ³ He and ³ He- ⁴ He mixtures. Journal of Physics Condensed Matter, 2006, 18, 5587-5596.	1.8	9
129	Texture and structure studies on marbles from Villa Adriana via neutron diffraction technique. Journal of Neutron Research, 2006, 14, 55-58.	1.1	6
130	Foil cycling technique for the VESUVIO spectrometer operating in the resonance detector configuration. Review of Scientific Instruments, 2006, 77, 095103.	1.3	44
131	Resolution of the VESUVIO spectrometer for High-energy Inelastic Neutron Scattering experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 552, 463-476.	1.6	44
132	Development of the very low angle detector for epithermal neutron scattering at low momentum transfers. IEEE Transactions on Nuclear Science, 2005, 52, 1092-1097.	2.0	9
133	Pressure dependence of protein dynamics investigated using elastic and quasielastic neutron scattering. Journal of Physics Condensed Matter, 2005, 17, S3101-S3109.	1.8	7
134	Measurement of momentum distribution of light atoms and molecules in condensed matter systems using inelastic neutron scattering. Advances in Physics, 2005, 54, 377-469.	14.4	219
135	A resonant detector for high-energy inelastic neutron scattering experiments. Applied Physics Letters, 2004, 85, 5454-5456.	3.3	39
136	YAP scintillators for resonant detection of epithermal neutrons at pulsed neutron sources. Review of Scientific Instruments, 2004, 75, 4880-4890.	1.3	52
137	VESUVIO - the double difference inverse geometry spectrometer at ISIS. Physica B: Condensed Matter, 2004, 350, E659-E662.	2.7	23
138	Photon detectors for epithermal neutron scattering at high- λ and low- q . Physica B: Condensed Matter, 2004, 350, E857-E859.	2.7	9
139	CdZnTe \hat{I}^3 detector for deep inelastic neutron scattering on the VESUVIO spectrometer. Applied Physics A: Materials Science and Processing, 2004, 78, 903-913.	2.3	34
140	Development of resonant detectors for epithermal neutron spectroscopy at pulsed neutron sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 259-260.	1.6	3
141	Cadmium-Zinc-Telluride photon detector for epithermal neutron spectroscopy - pulse height response characterisation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 526, 477-492.	1.6	41
142	The resonant detector and its application to epithermal neutron spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 529, 293-300.	1.6	21
143	Recent developments of the e.VERDI project at ISIS. Physica B: Condensed Matter, 2004, 350, E837-E840.	2.7	2
144	Assessment of a silicon detector for pulsed neutron scattering experiments. Physica B: Condensed Matter, 2004, 350, E853-E856.	2.7	7

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145	Short-time single particle dynamics in quantum and molecular systems. Physica B: Condensed Matter, 2004, 350, 231-238.	2.7	3
146	Development of new instrumentation for epithermal neutron scattering at very low angles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 121-125.	1.6	3
147	Fabrication of 3D metallic photonic crystals by X-ray lithography. Microelectronic Engineering, 2003, 67-68, 479-486.	2.4	38
148	Double difference method in deep inelastic neutron scattering on the VESUVIO spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 497, 535-549.	1.6	38
149	Phonon Density of States from a Crystal analyzer Inverse-geometry Spectrometer: A Study on Ordered Solid Hydrogen Sulfide and Hydrogen Chloride. Journal of Neutron Research, 2003, 11, 123-143.	1.1	14
150	Kinetic energy of He atoms in liquid $^4\text{He}^*3\text{He}$ mixtures. Physical Review B, 2003, 68, .	3.2	10
151	High-resolution complex structures for two-dimensional photonic crystals realized by x-ray diffraction lithography. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 748.	1.6	5
152	THE RESONANCE DETECTOR SPECTROMETER FOR NEUTRON SPECTROSCOPY IN THE eV ENERGY REGION. , 2003, , .		3
153	? detectors for Deep Inelastic Neutron Scattering in the 1-100 eV energy region. Applied Physics A: Materials Science and Processing, 2002, 74, s189-s190.	2.3	21
154	Electron-volt spectroscopy at a pulsed neutron source using a resonance detector technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 481, 509-520.	1.6	39
155	Title is missing!. Journal of Low Temperature Physics, 2002, 126, 57-62.	1.4	4
156	Deep-Inelastic Neutron Scattering Determination of the Single-Particle Kinetic Energy in Solid and Liquid H_3e . Physical Review Letters, 2001, 86, 4584-4587.	7.8	32
157	Proton dynamics in supercritical water. Journal of Chemical Physics, 2001, 115, 11243-11248.	3.0	38
158	Single particle dynamics in fluid and solid hydrogen sulphide: An inelastic neutron scattering study. Journal of Chemical Physics, 2001, 114, 387.	3.0	46
159	VESUVIO: a novel instrument for performing spectroscopic studies in condensed matter with eV neutrons at the ISIS facility. Physica B: Condensed Matter, 2000, 276-278, 200-201.	2.7	72
160	Dynamics of trypsin under pressure. Physica B: Condensed Matter, 2000, 276-278, 510-511.	2.7	4
161	Single-particle mean kinetic energy in low-density supercritical ^4He . Europhysics Letters, 2000, 50, 202-208.	2.0	10
162	Single-particle dynamics in fluid hydrogen and deuterium. Journal of Physics Condensed Matter, 2000, 12, A139-A145.	1.8	12

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163	Deep inelastic neutron scattering from fluid and solid H ₂ and D ₂ . Neutron News, 2000, 11, 21-25.	0.2	0
164	Deep inelastic neutron scattering from fluid hydrogen and deuterium: From vibrational excitations to the impulse approximation. Physical Review B, 1999, 60, 10008-10021.	3.2	44
165	Orientalional correlation in liquid hydrogen halides: The special case of HCl. Journal of Molecular Liquids, 1998, 78, 217-223.	4.9	4
166	Light and neutron scattering studies of the OH stretching band in liquid and supercritical water. Journal of Chemical Physics, 1998, 108, 450-454.	3.0	36
167	Deep inelastic neutron scattering from fluid para- and orthohydrogen. Journal of Physics Condensed Matter, 1998, 10, 7091-7111.	1.8	24
168	Temperature dependence of molecular kinetic energy in dense fluid parahydrogen. Europhysics Letters, 1997, 37, 329-334.	2.0	9
169	Measurement of the kinetic energy in through the superfluid transition by very high-energy neutron scattering. Journal of Physics Condensed Matter, 1997, 9, 10639-10649.	1.8	28
170	Orientalional correlations and hydrogen bonding in liquid hydrogen chloride. Journal of Chemical Physics, 1997, 107, 214-221.	3.0	29
171	Low frequency dynamics in the enzyme superoxide dismutase revealed by inelastic neutron scattering. Physica B: Condensed Matter, 1997, 234-236, 223-224.	2.7	5
172	Atomic and molecular momentum distributions in quantum fluids by Neutron Compton Scattering. Physica B: Condensed Matter, 1997, 234-236, 329-330.	2.7	5
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