Roberto Senesi

List of Publications by Year
in descending order

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161 papers	3,036 citations	136950 32 h-index	214800 47 g-index
164 all docs	164 docs citations	164 times ranked	1510 citing authors

#	Article	IF	Citations
1	Hydrogen Detection Limits and Instrument Sensitivity of High-Resolution Broadband Neutron Spectrometers. Analytical Chemistry, 2022, 94, 5023-5028.	6.5	2
2	Ultralow Power System-on-Chip SRAM Characterization by Alpha and Neutron Irradiation. IEEE Transactions on Nuclear Science, 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. European Physical Journal Plus, 2021, 136, 1.	2.6	5
4	Looking for Minor Phenolic Compounds in Extra Virgin Olive Oils Using Neutron and Raman Spectroscopies. Antioxidants, 2021, 10, 643.	5.1	5
5	Thermal neutron cross sections of amino acids from average contributions of functional groups. Journal of Physics Condensed Matter, 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. Physics Open, 2021, 7, 100073.	1.5	2
7	MWCNT/rGO/natural rubber latex dispersions for innovative, piezo-resistive and cement-based composite sensors. Scientific Reports, 2021, 11, 18975.	3.3	6
8	The instrument suite of the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163402.	1.6	90
9	Cu-based alloys as a benchmark for T-PGAA quantitative analysis at spallation neutron sources. Journal of Analytical Atomic Spectrometry, 2020, 35, 331-340.	3.0	8
10	Effect of coating systems as a barrier to humidity for lutherie woods studied by neutron radiography. Journal of Cultural Heritage, 2020, 43, 255-260.	3.3	0
11	Hydrogen nuclear mean kinetic energy in water down the Mariana Trench: Competition of pressure and salinity. Journal of Chemical Physics, 2020, 153, 134306.	3.0	1
12	Neutronic Calculations for the Shielding Design of the VESPA Instrument at the European Spallation Source. Journal of Surface Investigation, 2020, 14, S190-S194.	0.5	0
13	A Python Algorithm to Analyze Inelastic Neutron Scattering Spectra Based on the y-Scale Formalism. Journal of Chemical Theory and Computation, 2020, 16, 7671-7680.	5.3	5
14	Stretchable conductors made of single wall carbon nanotubes self-grafted on polymer films. Journal of Physics: Conference Series, 2020, 1548, 012023.	0.4	0
15	Chemometrics tools for Advanced Spectroscopic Analyses. Journal of Physics: Conference Series, 2020, 1548, 012030.	0.4	1
16	Hydrogen Dynamics in Supercritical Water Probed by Neutron Scattering and Computer Simulations. Journal of Physical Chemistry Letters, 2020, 11, 9461-9467.	4.6	11
17	Carbon Nanotube-Based Stretchable Hybrid Material Film for Electronic Devices and Applications. Journal of Nanoscience and Nanotechnology, 2020, 20, 4549-4556.	0.9	2
18	The effective isotropy of the hydrogen local potential in biphenyl and other hydrocarbons. Journal of Chemical Physics, 2020, 153, 234306.	3.0	5

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19	Chronic neural interfacing with cerebral cortex using single-walled carbon nanotube-polymer grids. Journal of Neural Engineering, 2020, 17, 036032.	3.5	8
20	TECNOMUSE: a novel, RPC-based, muon tomography scanner for the control of container terminals. Journal of Physics: Conference Series, 2020, 1548, 012021.	0.4	1
21	Neutrons for Cultural Heritageâ€”Techniques, Sensors, and Detection. Sensors, 2020, 20, 502.	3.8	19
22	FLUKA simulations and benchmark measurements of the YAP(Ce) scintillators installed on the VESUVIO spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 164012.	1.6	7
23	Optimization of detection strategies for epithermal neutron spectroscopy using photon-sensitive detectors. Review of Scientific Instruments, 2019, 90, 073901.	1.3	9
24	Compositionâ€•Nanostructure Steered Performance Predictions in Steel Wires. Nanomaterials, 2019, 9, 1119.	4.1	15
25	First analysis of ancient burned human skeletal remains probed by neutron and optical vibrational spectroscopy. Science Advances, 2019, 5, eaaw1292.	10.3	19
26	Aggregation States of AÎ²1â€“40, AÎ²1â€“42 and AÎ²p3â€“42 Amyloid Beta Peptides: A SANS Study. International Journal of Molecular Sciences, 2019, 20, 4126.	4.1	23
27	Validation of a new data-analysis software for multiple-peak analysis of Î³ 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
28	The onset of the tetrabonded structure in liquid water. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	12
29	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
30	Neutronic developments on TOSCA and VESPA: Progress to date. Physica B: Condensed Matter, 2019, 562, 107-111.	2.7	16
31	Sumerian Pottery Technology Studied Through Neutron Diffraction and Chemometrics at Abu Tbeirah (Iraq). Geosciences (Switzerland), 2019, 9, 74.	2.2	3
32	SANS study of Amyloid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e303" altimg="si64.gif"><mml:msub><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo></mml:mrow></mml:msub></mml:math> Unfolded monomers in DMSO, multidimensional aggregates in water medium. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 385-391.	2.8	4
33	Neutron Diffraction and (n, Î³)-Based Techniques for Cultural Heritage. , 2019, , 61-77.		2
34	Egyptian Grave Goods of Kha and Merit Studied by Neutron and Gamma Techniques. Angewandte Chemie - International Edition, 2018, 57, 7375-7379.	13.8	11
35	Hydrogen mean force and anharmonicity in polycrystalline and amorphous ice. Frontiers of Physics, 2018, 13, 1.	5.0	9
36	Egyptian Grave Goods of Kha and Merit Studied by Neutron and Gamma Techniques. Angewandte Chemie, 2018, 130, 7497-7501.	2.0	2

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37	The road to a station for epithermal and thermal neutron analysis. Journal of Physics: Conference Series, 2018, 1055, 012017.	0.4	4
38	The neutron irradiation module at the European Spallation Source ESS. Journal of Physics: Conference Series, 2018, 1021, 012054.	0.4	0
39	Neutron resonance capture analysis and chemometric tools: an integrated approach. Journal of Physics: Conference Series, 2018, 1055, 012005.	0.4	1
40	Towards a compact Laser based Neutron source. Journal of Physics: Conference Series, 2018, 1021, 012011.	0.4	0
41	Neutrons matter: VII international workshop on electron-Volt neutron spectroscopy â€“ A preface to the workshop proceedings. Journal of Physics: Conference Series, 2018, 1055, 011001.	0.4	2
42	A McStas simulation of the incident neutron beam on the VESUVIO spectrometer. Journal of Physics: Conference Series, 2018, 1055, 012014.	0.4	3
43	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
44	VESUVIO+: The Current Testbed for a Next-generation Epithermal Neutron Spectrometer. Journal of Physics: Conference Series, 2018, 1021, 012026.	0.4	18
45	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
46	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
47	Gamma background characterization on VESUVIO: before and after the moderator upgrade. Journal of Physics: Conference Series, 2018, 1055, 012009.	0.4	6
48	Fast neutron irradiation tests of flash memories used in space environment at the ISIS spallation neutron source. AIP Advances, 2018, 8, .	1.3	12
49	Setup and experimental results analysis of COTS Camera and SRAMs at the ISIS neutron facility. , 2018, , .		2
50	Neutrons Matter â€“ VII International Workshop on Electron-Volt Neutron Spectroscopy. Neutron News, 2018, 29, 4-6.	0.2	2
51	Self-grafting carbon nanotubes on polymers for stretchable electronics. European Physical Journal Plus, 2018, 133, 1.	2.6	5
52	Neutron irradiation of an ARM Cortex-M0 Core. , 2018, , .		1
53	Molecular Spectroscopy Science Meetingâ€"MSSM2016. Neutron News, 2017, 28, 15-16.	0.2	0
54	Electron-volt neutron spectroscopy: beyond fundamental systems. Advances in Physics, 2017, 66, 1-73.	14.4	81

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55	Characterisation of the incident beam and current diffraction capabilities on the VESUVIO spectrometer. Measurement Science and Technology, 2017, 28, 095501.	2.6	55
56	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
57	Characterization of Î³-ray background at IMAT beamline of ISIS Spallation Neutron Source. Journal of Instrumentation, 2017, 12, P08005-P08005.	1.2	8
58	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
59	High-energy neutrons characterization of a safety critical computing system. , 2017, , .		4
60	Atomic Quantum Dynamics in Materials Research. Experimental Methods in the Physical Sciences, 2017, , 403-457.	0.1	27
61	Orthodontic archwire composition and phase analyses by neutron spectroscopy. Dental Materials Journal, 2017, 36, 282-288.	1.8	15
62	Research opportunities with compact accelerator-driven neutron sources. Physics Reports, 2016, 654, 1-58.	25.6	91
63	Radiative neutron capture as a counting technique at pulsed spallation neutron sources: a review of current progress. Reports on Progress in Physics, 2016, 79, 094301.	20.1	14
64	Soft confinement of water in graphene-oxide membranes. Carbon, 2016, 108, 199-203.	10.3	27
65	Isotope identification capabilities using time resolved prompt gamma emission from epithermal neutrons. Journal of Instrumentation, 2016, 11, C03060-C03060.	1.2	19
66	Direct Measurements of Quantum Kinetic Energy Tensor in Stable and Metastable Water near the Triple Point: An Experimental Benchmark. Journal of Physical Chemistry Letters, 2016, 7, 2216-2220.	4.6	33
67	Evolution of Hydrogen Dynamics in Amorphous Ice with Density. Journal of Physical Chemistry Letters, 2015, 6, 2038-2042.	4.6	28
68	Probing the effects of 2D confinement on hydrogen dynamics in water and ice adsorbed in graphene oxide sponges. Physical Chemistry Chemical Physics, 2015, 17, 31680-31684.	2.8	20
69	Neutron resonance transmission imaging for 3D elemental mapping at the ISIS spallation neutron source. Journal of Analytical Atomic Spectrometry, 2015, 30, 745-750.	3.0	29
70	Measurement of proton momentum distributions using a direct geometry instrument. Journal of Physics: Conference Series, 2014, 571, 012007.	0.4	12
71	Applications of Compact Accelerator-driven Neutron Sources: An Updated Assessment from the Perspective of Materials Research in Italy. Physics Procedia, 2014, 60, 228-237.	1.2	2
72	Measurements of gamma-ray background spectra at spallation neutron source beamlines. Journal of Analytical Atomic Spectrometry, 2014, 29, 1897-1903.	3.0	19

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73	Neutrons and music: Imaging investigation of ancient wind musical instruments. Nuclear Instruments & Methods in Physics Research B, 2014, 336, 63-69.	1.4	7
74	VI Workshop in Electron Volt Neutron Spectroscopy: Frontiers and Horizons. Journal of Physics: Conference Series, 2014, 571, 011001.	0.4	6
75	Discussion: Measurement and Instrumentation. Journal of Physics: Conference Series, 2014, 571, 012010.	0.4	4
76	Over the Horizon: Future Roles of Electron Volt Neutron Spectroscopy. Journal of Physics: Conference Series, 2014, 571, 012014.	0.4	6
77	Discussion: Theoretical Horizons and Calculation. Journal of Physics: Conference Series, 2014, 571, 012013.	0.4	3
78	Temperature dependence of the zero point kinetic energy in ice and water above room temperature. Chemical Physics, 2013, 427, 111-116.	1.9	34
79	Membrane thickness and the mechanism of action of the short peptaibol trichogin GA IV. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1013-1024.	2.6	56
80	A combined INS and DINS study of proton quantum dynamics of ice and water across the triple point and in the supercritical phase. Chemical Physics, 2013, 427, 106-110.	1.9	32
81	From neutron Compton profiles to momentum distribution: Assessment of direct numerical determination. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 704, 36-39.	1.6	5
82	Direct Measurement of Competing Quantum Effects on the Kinetic Energy of Heavy Water upon Melting. Journal of Physical Chemistry Letters, 2013, 4, 3251-3256.	4.6	64
83	Pulsed neutron gamma-ray logging in archaeological site survey. Measurement Science and Technology, 2013, 24, 125903.	2.6	11
84	The quantum nature of the OH stretching mode in ice and water probed by neutron scattering experiments. Journal of Chemical Physics, 2013, 139, 074504.	3.0	39
85	Localization of inclusions in multiple prompt gamma ray analysis: a feasibility study. Journal of Physics: Conference Series, 2013, 470, 012001.	0.4	3
86	Spherical momentum distribution of the protons in hexagonal ice from modeling of inelastic neutron scattering data. Journal of Chemical Physics, 2012, 136, 024504.	3.0	43
87	Direct kinetic energy extraction from neutron Compton profiles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, 70-76.	1.6	9
88	Interaction of single water molecules with silanols in mesoporous silica. Physical Chemistry Chemical Physics, 2011, 13, 6022.	2.8	30
89	Non destructive neutron diffraction measurements of cavities, inhomogeneities, and residual strain in bronzes of Ghibertiâ€™s relief from the Gates of Paradise. Journal of Applied Physics, 2011, 109, 064908.	2.5	8
90	Electron volt neutron spectrometers. Physics Reports, 2011, 508, 45-90.	25.6	48

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91	Ground state proton dynamics in stable phases of water. Chemical Physics Letters, 2011, 518, 1-6.	2.6	12
92	Comment on â€œHigh-energy neutron scattering from hydrogen using a direct geometry spectrometerâ€: Physical Review B, 2011, 84, .	3.2	5
93	Investigation of Residual Stress Distribution of Wheel Rims Using Neutron Diffraction. Materials Science Forum, 2011, 681, 522-526.	0.3	2
94	Changes in the Zero-Point Energy of the Protons as the Source of the Binding Energy of Water to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>-Phase DNA. Physical Review Letters, 2010, 105, 148101.	7.8	27
95	Quantum effects in water: proton kinetic energy maxima in stable and supercooled liquid. Brazilian Journal of Physics, 2009, 39, 318-321.	1.4	27
96	Pietropaoloet al.Reply:. Physical Review Letters, 2009, 103, .	7.8	11
97	A nondestructive stratigraphic and radiographic neutron study of Lorenzo Ghibertiâ€™s reliefs from paradise and north doors of Florence baptistery. Journal of Applied Physics, 2009, 106, 074909.	2.5	15
98	-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
99	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
100	Quantum Behavior of Water Protons in Protein Hydration Shell. Biophysical Journal, 2009, 96, 1939-1943.	0.5	16
101	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
102	Deep inelastic neutron scattering on 207Pb and NaHF2 as a test of a detectors array on the VESUVIO spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 584, 377-382.	1.6	2
103	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
104	Proton Momentum Distribution of Liquid Water from Room Temperature to the Supercritical Phase. Physical Review Letters, 2008, 100, 177801.	7.8	75
105	Excess of Proton Mean Kinetic Energy in Supercooled Water. Physical Review Letters, 2008, 100, 127802.	7.8	84
106	The role of the electronic degrees of freedom in neutron Compton scattering from molecular systems. Journal of Physics Condensed Matter, 2008, 20, 445225.	1.8	1
107	Advances on detectors for low-angle scattering of epithermal neutrons. Measurement Science and Technology, 2008, 19, 047001.	2.6	5
108	Proton Momentum Distribution in a Protein Hydration Shell. Physical Review Letters, 2007, 98, 138102.	7.8	47

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109	He4adsorbed in cylindrical silica nanopores: Effect of size on the single-atom mean kinetic energy. Physical Review B, 2007, 75, .	3.2	14
110	Neutron Compton scattering as a molecular characterization technique: A study onNaHF2. Physical Review B, 2007, 76, .	3.2	9
111	Proton quantum coherence observed in water confined in silica nanopores. Journal of Chemical Physics, 2007, 127, 154501.	3.0	68
112	Structure and Single Proton Dynamics of Bulk Supercooled Water. Journal of Molecular Liquids, 2007, 136, 236-240.	4.9	3
113	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
114	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
115	VLAD for epithermal neutron scattering experiments at large energy transfers. Journal of Physics: Conference Series, 2006, 41, 451-459.	0.4	2
116	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
117	Characterization of the background in epithermal neutron scattering measurements at pulsed neutron sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 826-838.	1.6	29
118	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
119	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
120	The Oâ€“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
121	Mean kinetic energy of helium atoms in fluid3He and3Heâ€“4He mixtures. Journal of Physics Condensed Matter, 2006, 18, 5587-5596.	1.8	9
122	Texture and structure studies on marbles from Villa Adriana via neutron diffraction technique. Journal of Neutron Research, 2006, 14, 55-58.	1.1	6
123	Foil cycling technique for the VESUVIO spectrometer operating in the resonance detector configuration. Review of Scientific Instruments, 2006, 77, 095103.	1.3	44
124	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
125	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
126	Signatures of quantum behavior in the microscopic dynamics of liquid hydrogen and deuterium. Journal of Chemical Physics, 2005, 123, 114509.	3.0	11

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127	Deep inelastic neutron scattering from orthorhombic ordered HCl: Short-time proton dynamics and anomalous neutron cross sections. Physical Review B, 2005, 72, .	3.2	38
128	Measurement of momentum distribution of lightatoms and molecules in condensed matter systems using inelastic neutron scattering. Advances in Physics, 2005, 54, 377-469.	14.4	219
129	A resonant detector for high-energy inelastic neutron scattering experiments. Applied Physics Letters, 2004, 85, 5454-5456.	3.3	39
130	YAP scintillators for resonant detection of epithermal neutrons at pulsed neutron sources. Review of Scientific Instruments, 2004, 75, 4880-4890.	1.3	52
131	VESUVIOâ€"the double difference inverse geometry spectrometer at ISIS. Physica B: Condensed Matter, 2004, 350, E659-E662.	2.7	23
132	Photon detectors for epithermal neutron scattering at high-Ï‰ and low-q. Physica B: Condensed Matter, 2004, 350, E857-E859.	2.7	9
133	CdZnTe Î³ detector for deep inelastic neutron scattering on the VESUVIO spectrometer. Applied Physics A: Materials Science and Processing, 2004, 78, 903-913.	2.3	34
134	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
135	Cadmiumâ€"Zincâ€"Telluride photon detector for epithermal neutron spectroscopyâ€"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
136	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
137	Recent developments of the e.VERDI project at ISIS. Physica B: Condensed Matter, 2004, 350, E837-E840.	2.7	2
138	Assessment of a silicon detector for pulsed neutron scattering experiments. Physica B: Condensed Matter, 2004, 350, E853-E856.	2.7	7
139	Extraction of the density of phonon states in LiH and NaH. Physica B: Condensed Matter, 2004, 350, E983-E986.	2.7	14
140	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
141	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
142	Water structure in supercritical mixtures of water and rare gases. Journal of Chemical Physics, 2003, 118, 235-241.	3.0	13
143	Kinetic energy of He atoms in liquid4Heâ^'3Hemixtures. Physical Review B, 2003, 68, .	3.2	10
144	THE RESONANCE DETECTOR SPECTROMETER FOR NEUTRON SPECTROSCOPY IN THE EV ENERGY REGION. , 2003, , .		3

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145	? 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
146	Multiple scattering in deep inelastic neutron scattering: Monte Carlo simulations and experiments at the ISIS eVS inverse geometry spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 481, 454-463.	1.6	60
147	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
148	Title is missing!. Journal of Low Temperature Physics, 2002, 126, 57-62.	1.4	4
149	Microscopic Structure in Liquid Hydrogen and Deuterium: An X-Ray Scattering Study. Journal of Low Temperature Physics, 2002, 129, 117-131.	1.4	16
150	Deep-Inelastic Neutron Scattering Determination of the Single-Particle Kinetic Energy in Solid and LiquidH3e. Physical Review Letters, 2001, 86, 4584-4587.	7.8	32
151	Single particle dynamics in fluid and solid hydrogen sulphide: An inelastic neutron scattering study. Journal of Chemical Physics, 2001, 114, 387.	3.0	46
152	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
153	Single-particle mean kinetic energy in low-density supercritical 4 He. Europhysics Letters, 2000, 50, 202-208.	2.0	10
154	Dye-doped zirconia-based Ormosil planar waveguides: optical properties and surface morphology. Journal of Non-Crystalline Solids, 1999, 255, 193-198.	3.1	30
155	Second-harmonic generation in PMMA films doped with organometallic complexes. Radiation Effects and Defects in Solids, 1999, 150, 237-242.	1.2	0
156	DODCI molecules incorporated in solâ€“gel glasses: the interaction with the silica matrix. Chemical Physics Letters, 1998, 291, 167-172.	2.6	17
157	Microscopic structure of the hydrogen-xenon mixture. Physical Review E, 1997, 56, 2993-2999.	2.1	2
158	Rigid-cage effects on the optical properties of the dye 3,3â€²-diethyloxadicarbocyanine incorporated in silica-gel glasses. Applied Physics Letters, 1997, 70, 2969-2971.	3.3	54
159	Optical properties of dye-doped sol-gel glasses. Journal of Luminescence, 1997, 72-74, 475-477.	3.1	7
160	Development of the very low angle detector for epithermal neutron scattering at low momentum transfers. , 0, , .		1
161	Towards Neutron Scattering Identification of Olive Oilâ€™s Antioxidant Properties. Neutron News, 0, , 1-2.	0.2	0