Rui Ferreira Marques

List of Publications by Year
in descending order

203	3,238	117619	223791
papers	citations	34 h-index	46 g-index

203	203	203	1944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simulation of proton range monitoring in an anthropomorphic phantom using multi-slat collimators and time-of-flight detection of prompt-gamma quanta. Physica Medica, 2018, 54, 1-14.	0.7	10
2	Rotation-Free Scattered-Radiation Imaging with a Radiotherapy X-Ray Linac. , 2018, , .		0
3	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Np</mml:mi><mml:mprescripts /><mml:none /><mml:mn>237</mml:mn></mml:mmultiscripts></mml:math>in the keV to MeV range at the CERN n_TOF facility. Physical Review C, 2016, 93, .	2.9	11
4	Performance of timing Resistive Plate Chambers with protons from 200 to 800 MeV. Journal of Instrumentation, 2015, 10, C01043-C01043.	1.2	8
5	Performance of timing resistive plate chambers with relativistic neutrons from 300 to 1500 MeV. Journal of Instrumentation, 2015, 10, C02034-C02034.	1.2	9
6	Time-of-Flight Positron Emission Tomography with Resistive Plate Chamber Detectors: An Unlikely but Promising Approach. Acta Physica Polonica A, 2015, 127, 1453-1461.	0.5	1
7	Development of a PET cyclotron based irradiation setup for proton radiobiology. Journal of Instrumentation, 2015, 10, P02010-P02010.	1.2	5
8	Neutron-induced fission cross section ofU234measured at the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	14
9	Measurement and analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Am</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>243</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	26
10	Scatter Fraction, Count Rates, and Noise Equivalent Count Rate of a Single-Bed Position RPC TOF-PET System Assessed by Simulations Following the NEMA NU2-2001 Standards. IEEE Transactions on Nuclear Science, 2014, 61, 1153-1163.	2.0	5
11	Towards very high resolution RPC-PET for small animals. Journal of Instrumentation, 2014, 9, C10012-C10012.	1.2	15
12	Resistive plate chambers in positron emission tomography. European Physical Journal Plus, 2013, 128, 1.	2.6	8
13	Measurement of the neutron-induced fission cross-section of 241Am at the time-of-flight facility n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	9
14	Achieving 0.4-mm FWHM spatial resolution with an RPC-based small-animal PET prototype. , 2013, , .		1
15	On-line measurements of proton beam current from a PET cyclotron using a thin aluminum foil. Journal of Instrumentation, 2013, 8, P07010-P07010.	1.2	5
16	Simulations of a new detection concept for high-energy neutrons based on timing RPCs. Journal of Instrumentation, 2013, 8, P07020-P07020.	1.2	2
17	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>93</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (xmlns:mml reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, .	2.9	39
18	Observation of tumor morphological changes in lung irradiation with orthogonal ray imaging: RTmonitoring - A simulation study. , 2013, , .		0

#	Article	IF	Citations
19	Fast and precise verification of proton beam position, range, and dose using a plastic scintillator at PET-dedicated cyclotrons. , 2013, , .		0
20	Measurement of resolved resonances of232Th(n,Î³) at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	2.9	23
21	Publisher's Note: Measurement of resolved resonances of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>232</mml:mn></mml:msup></mml:math>Th(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (xmlns:mml	2.9	3
22	Experimental sub-millimeter resolution with a small-animal RPC-PET prototype. , 2012, , .		1
23	Measurement and resonance analysis of the237Np neutron capture cross section. Physical Review C, 2012, 85, .	2.9	26
24	On lesion detectability by means of 300ps-FWHM TOF whole-body RPC-PET: An experiment-based simulation study. , 2012, , .		1
25	Towards a high-dynamic dose-range irradiation setup for radiobioloy and radiophysiology. , 2012, , .		3
26	Neutron-induced fission cross section measurement of²³³U,²⁴¹Am and²⁴³Am in the energy range 0.5 MeV â©½<i>E</i>_{<i>n</i>}â©½ 20 MeV at n_TOF at CERN. Physica Scripta, 2012, T150, 014005.	2.5	2
27	TOFtracker: gaseous detector with bidimensional tracking and time-of-flight capabilities. Journal of Instrumentation, 2012, 7, P11012-P11012.	1.2	23
28	Scatter Fraction, count rates, and Noise Equivalent Count Rate of an RPC TOF-PET system: Simulation study following the NEMA NU2-2001 standards. , 2012, , .		1
29	Whole-Body Single-Bed Time-of-Flight RPC-PET: Simulation of Axial and Planar Sensitivities With NEMA and Anthropomorphic Phantoms. IEEE Transactions on Nuclear Science, 2012, 59, 520-529.	2.0	24
30	Preliminary characterization of the external proton beam from a PET cyclotron for use in neutron and proton radiobiology and other dosimetric studies. , 2012, , .		6
31	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	55
32	Spatial resolution of human RPC-PET system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S156-S158.	1.6	14
33	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.4	0
34	The [sup 237]Np(n,f) cross section at the CERN n-TOF facility. , 2011, , .		1
35	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>96</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (xmlns:mml	2.9	17
36	Neutron capture on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>94</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, .	2.9	24

#	Article	IF	Citations
37	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mi mathvariant="normal">nat</mml:mi></mml:mrow></mml:msup></mml:mrow></mml:math>Pb and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Bi</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>209</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	36
38	Measurement of the236U(n,f) cross section from 170 meV to 2 MeV at the CERNn_TOFfacility. Physical Review C, 2011, 84, .	2.9	14
39	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	68
40	A direct time-of-flight reconstruction for whole-body single-bed RPC-PET: Results from lesion and anthropomorphic simulated data. , 2011, , .		5
41	Study of Photon Strength Function of Actinides: the Case of 235U, 238Np and 241Pu. Journal of the Korean Physical Society, 2011, 59, 1510-1513.	0.7	9
42	Neutron Capture Measuremetns on Minor Actinides at the n_TOF Facility at CERN: Past, Present and Future. Journal of the Korean Physical Society, 2011, 59, 1809-1812.	0.7	2
43	237Np(n,f) Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.7	2
44	Fission Cross-section Measurements of 233U, 245Cm and 241;243Am at CERN n_TOF Facility. Journal of the Korean Physical Society, 2011, 59, 1912-1915.	0.7	3
45	High-energy Neutron-induced Fission Cross Sections of Natural Lead and Bismuth-209. Journal of the Korean Physical Society, 2011, 59, 1904-1907.	0.7	0
46	Radiobiology with cyclotron proton beams: A viability study. , 2010, , .		7
47	Neutron cross-sections for next generation reactors: New data from n_TOF. Applied Radiation and Isotopes, 2010, 68, 643-646.	1.5	7
48	cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Os</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>186</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	36
49	Neutron physics of the Re/Os clock. III. Resonance analyses and stellar (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>92</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>)	2.9	55
50	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>92</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	33
51	cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Os</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>186</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	28
52	ASTROPHYSICS AT nÌ±TOF FACILITY. , 2010, , .		0
53	Study of Neutron-Induced Fission Cross Sections of U, Am, and Cm at nÌ±TOF. , 2010, , .		0
54	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>234</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Np</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>237</mml:mn></mml:mrow></mml:	2.9	72

#	Article	IF	Citations
55	Experimental challenges for the Re/Os clock. , 2010, , .		0
56	Neutron capture measurements on the s-process termination isotopes lead and bismuth. , 2010, , .		0
57	nÌ±TOF Experiment: Past, Present And Future. , 2009, , .		0
58	Uncovering the kiloparsec-scale stellar ring of NGC 5128. Astronomy and Astrophysics, 2009, 502, L5-L8.	5.1	12
59	Whole-body single-bed time-of-flight RPC-PET: Simulation of axial and planar sensitivities with NEMA and anthropomorphic phantoms. , 2009, , .		2
60	High-accuracyU233(n,f)cross-section measurement at the white-neutron source n_TOF from near-thermal to1MeV neutron energy. Physical Review C, 2009, 80, .	2.9	30
61	Efficiency of RPC detectors for whole-body human TOF-PET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 780-783.	1.6	39
62	The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 424-433.	1.6	80
63	The CBM Collaboration. Nuclear Physics A, 2009, 830, 942c-944c.	1.5	1
64	Measurement of charged pions in 12C + 12C collisions at 1 A GeV and 2 A GeV with HADES. European Physical Journal A, 2009, 40, 45-59.	2.5	28
65	Measurement of low-mass e + e â^' pair production in 1 and 2â€‰AÂGeV Câ€“C collision with HADES. European Physical Journal C, 2009, 62, 81-84.	3.9	2
66	Neutron Capture Measurements at the nÌ±TOF Facility. , 2009, , .		0
67	Fission cross-section measurements on [sup 233]U and minor actinides at the CERN nÌ±TOF facility. , 2009, , .		0
68	Temperature-dependent quenching of UV fluorescence of N2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 597, 75-82.	1.6	11
69	Design and Implementation of a Reconfigurable Remote Laboratory, Using Oscilloscope/PLC Network for WWW Access. IEEE Transactions on Industrial Electronics, 2008, 55, 2425-2432.	7.9	42
70	Recent Results at nÌ±TOF and Future Perspectives. AIP Conference Proceedings, 2008, , .	0.4	0
71	Nuclear physics for the Re/Os clock. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014015.	3.6	8
72	The measurement of the 206Pb(n, Î³) cross section and stellar implications. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014020.	3.6	11

#	Article	IF	Citations
73	Experimental study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>91</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math Tj ETQq1 1 0.784314 rgBT /Over	2.9	34
74	Neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>90</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Bottleneck in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:math>-process reaction flow. Physical Review C, 2008, 77, .	2.9	44
75	Measurements of neutron capture cross-sections at n_TOF. AIP Conference Proceedings, 2007, , .	0.4	0
76	Measurement of the Neutron Induced Fission Cross Section on Transuranic (TRU) Elements at the nÌ±TOF Facility at CERN. AIP Conference Proceedings, 2007, , .	0.4	0
77	Measurement of the radiative neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>206</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and its astrophysical implications. Physical Review C, 2007, 76, .	2.9	30
78	Measurement of the neutron capture cross section of thes-only isotopePb204from 1 eV to 440 keV. Physical Review C, 2007, 75, .	2.9	32
79	TheLa139(n,Î³) cross section: Key for the onset of thes-process. Physical Review C, 2007, 75, .	2.9	24
80	Towards a PMT based optical readout GEM TPCâ€"First results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 202-205.	1.6	5
81	RPCâ€"PET: Status and perspectives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 915-918.	1.6	28
82	Neutron reactions and nuclear cosmo-chronology. Progress in Particle and Nuclear Physics, 2007, 59, 165-173.	14.4	7
83	Accurate timing of gamma rays with high-rate Resistive Plate Chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 4-7.	1.6	6
84	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 925-929.	1.4	35
85	RPC-PET: A New Very High Resolution PET Technology. IEEE Transactions on Nuclear Science, 2006, 53, 2489-2494.	2.0	43
86	Measurement of 139La(n,Î³) Cross Section. AIP Conference Proceedings, 2006, , .	0.4	0
87	Measurement of the resonance capture cross section of 204,206Pb and termination of the s-process. AIP Conference Proceedings, 2006, , .	0.4	0
88	Integration and first results of the CAMCAO NIR camera. , 2006, , .		4
89	Neutron Capture Cross Section Measurements at n_TOF of 237Np, 240Pu and 243Am for the Transmutation of Nuclear Waste. AIP Conference Proceedings, 2006, , .	0.4	3
90	Very high position resolution gamma imaging with resistive plate chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 96-99.	1.6	5

#	Article	IF	Citations
91	Ceramic high-rate timing RPCs. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 66-70.	0.4	15
92	Spatial resolution on a small animal RPC-PET prototype operating under magnetic field. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 157-160.	0.4	4
93	Neutron cross section measurements at n-TOF for ADS related studies. Journal of Physics: Conference Series, 2006, 41, 352-360.	0.4	2
94	Measurement of 139La(n,Î³) Cross Section at n_TOF. AIP Conference Proceedings, 2006, , .	0.4	0
95	Measurement of theSm151(n,Î³) cross section from 0.6 eV to 1 MeV via the neutron time-of-flight technique at the CERN n_TOF facility. Physical Review C, 2006, 73, .	2.9	36
96	New measurement of neutron capture resonances inBi209. Physical Review C, 2006, 74, .	2.9	46
97	Neutron capture cross section ofTh232measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. Physical Review C, 2006, 73, .	2.9	41
98	Resonance capture cross section ofPb207. Physical Review C, 2006, 74, .	2.9	32
99	PRESSURE AND TEMPERATURE DEPENDENCE OF THE PRIMARY SCINTILLATION IN AIR. , 2006, , .		0
100	Measurement of the 151Sm(n,Î³)152Sm cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	1.5	7
101	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	1.5	7
102	Measurements of the 90,91,92,94,96Zr(n, Î³) cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	1.5	2
103	The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 692-702.	1.6	84
104	The effect of temperature on the rate capability of glass timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 555, 72-79.	1.6	40
105	The n_TOF Facility at CERN: Performances and First Physics Results. AIP Conference Proceedings, 2005, , .	0.4	2
106	High-Resolution Study of 237Np Fission Cross Section from 5 eV to 1 MeV. AIP Conference Proceedings, 2005, , .	0.4	2
107	Neutron Capture Cross Sections for the Re/Os Clock. AIP Conference Proceedings, 2005, , .	0.4	1
108	New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. AIP Conference Proceedings, 2005, , .	0.4	0

#	Article	IF	Citations
109	Measurement of the 232Th Neutron Capture Cross Section at the CERN n_TOF Facility. AIP Conference Proceedings, 2005, , .	0.4	0
110	Measurements at n_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation. AIP Conference Proceedings, 2005, , .	0.4	3
111	Performance of a chamber for studying the liquid xenon response to /spl gamma/-rays and nuclear recoils. IEEE Transactions on Nuclear Science, 2005, 52, 2793-2800.	2.0	11
112	Neutron Capture Cross Section Measurement ofSm151at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	7.8	65
113	Measurement of the refractive index and attenuation length of liquid xenon for its scintillation light. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 462-474.	1.6	43
114	Timeâ€“energy relation of the n_TOF neutron beam: energy standards revisited. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 622-630.	1.6	34
115	A study of ageing in timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 121-125.	1.6	4
116	New experimental validation of the pulse height weighting technique for capture cross-section measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 521, 454-467.	1.6	101
117	The scintillation of GEMS coated with wavelength shifters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 57-61.	1.6	4
118	Development of high-rate timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 69-73.	1.6	12
119	Performance of shielded timing RPCs in a 12C fragmentation experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 79-85.	1.6	11
120	An RPC-PET prototype with high spatial resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 139-143.	1.6	27
121	A large area timing RPC prototype for ion collisions in the HADES spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 277-282.	1.6	40
122	The CAMCAO infrared camera. , 2004, 5492, 1699.		5
123	Progress in timing Resistive Plate Chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 272-276.	1.6	15
124	Luminescence and imaging with gas electron multipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 513, 379-387.	1.6	38
125	Single-gap timing RPCs with bidimensional position-sensitive readout for very accurate TOF systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 70-74.	1.6	20
126	Physics at CPLEAR. Physics Reports, 2003, 374, 165-270.	25.6	40

#	Article	IF	Citations
127	Low-temperature performance of a large area avalanche photodiode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 53-57.	1.6	14
128	The GEM scintillation in Heâ€“CF4, Arâ€“CF4, Arâ€“TEA and Xeâ€“TEA mixtures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 88-92.	1.6	64
129	Time analysis of the light pulses on gaseous active scintillators using GEMs with He/CF4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 374-378.	1.6	8
130	Perspectives for positron emission tomography with RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 88-93.	1.6	50
131	Resistive plate chambers for time-of-flight measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 513, 8-12.	1.6	17
132	Mini-strip ionization chamber for Î³-ray imaging. IEEE Transactions on Nuclear Science, 2003, 50, 122-125.	2.0	2
133	Performance of a tracking device based on the GEM scintillation. IEEE Transactions on Nuclear Science, 2002, 49, 281-284.	2.0	20
134	Development of large area and of position-sensitive timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 170-175.	1.6	10
135	Liquid-xenon Î³-camera with ionisation readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 435-439.	1.6	5
136	CCD readout of GEM-based neutron detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 357-361.	1.6	62
137	Two-dimensional readout in a liquid xenon ionisation chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 477, 184-190.	1.6	11
138	A large area timing RPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 328-342.	1.6	24
139	Detection of scintillation light of liquid xenon with a LAAPD. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 488, 572-578.	1.6	15
140	Pressure dependence of secondary NIR scintillation in Ar and Ar/CF/sub 4/. IEEE Transactions on Nuclear Science, 2001, 48, 330-335.	2.0	8
141	Optical readout of GEMs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 471, 125-130.	1.6	31
142	Quality control of GEM detectors using scintillation techniques. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 442, 417-422.	1.6	16
143	High-resolution RPCs for large TOF systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 295-301.	1.6	60
144	Study of scintillation light from microstructure based detectors. IEEE Transactions on Nuclear Science, 2000, 47, 933-938.	2.0	21

#	Article	IF	Citations
145	Study of large area avalanche photodiode for detecting liquid xenon scintillation. IEEE Transactions on Nuclear Science, 2000, 47, 1307-1310.	2.0	21
146	Pulse processing for the PET liquid xenon multiwire ionisation chamber. IEEE Transactions on Nuclear Science, 2000, 47, 2119-2126.	2.0	6
147	A spark-protected high-rate detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 431, 154-159.	1.6	33
148	Single-electron pulse-height spectra in thin-gap parallel-plate chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 433, 513-517.	1.6	10
149	Rate effects in a proportional counter with resistive cathode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 408, 496-502.	1.6	9
150	Transient behaviour and rate effects in resistive detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 419, 485-489.	1.6	8
151	Effect of the drift field on avalanche gain and charge collection in microgap detectors at high pressure. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 419, 460-463.	1.6	1
152	Rate effects in radiation detectors with resistive electrodes. IEEE Transactions on Nuclear Science, 1998, 45, 263-268.	2.0	4
153	Optimization of anode dimensions for microgap detectors at high pressure. IEEE Transactions on Nuclear Science, 1998, 45, 269-274.	2.0	0
154	Low temperature performance of photomultiplier tubes illuminated in pulsed mode by visible and vacuum ultraviolet light. Review of Scientific Instruments, 1997, 68, 34-40.	1.3	15
155	Experimental measurement of the ratio in antiproton annihilations at rest in gaseous hydrogen at 15 and 27 bar. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 403, 383-389.	4.1	10
156	Performance study of liquid xenon detector for PET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 427-432.	1.6	31
157	Performance of microstrip and microgap gas detectors at high pressure. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 135-139.	1.6	4
158	Observation of the CP-conserving Ks â†' Ï€+Ï€âˆ'Ï€0 decay amplitude. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 313-318.	4.1	11
159	The CPLEAR detector at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 379, 76-100.	1.6	48
160	Ageing studies with argon/methane based gas mixtures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 367, 298-301.	1.6	2
161	Internal shocks in a relativistic wind as a source for gamma-ray bursts?. Astrophysics and Space Science, 1995, 231, 441-444.	1.4	20
162	X-ray detection and ageing. Applied Radiation and Isotopes, 1995, 46, 485-486.	1.5	0

#	Article	IF	Citations
163	Low temperature test of photomultiplier tubes. Applied Radiation and Isotopes, 1995, 46, 495-496.	1.5	3
164	Tests of CPT symmetry and quantum mechanics with experimental data from CPLEAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 364, 239-245.	4.1	85
165	Recent results on the properties of CsI photocathodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 360, 411-415.	1.6	14
166	Observation of electron multiplication in liquid xenon with a microstrip plate. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 365, 568-571.	1.6	27
167	Liquid xenon multiwire chamber for positron tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 367, 58-61.	1.6	13
168	Inclusive measurement of $$ar p$$ annihilation at rest in gaseous hydrogen to final states containingï•andf 2. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1995, 65, 199-205.	1.5	3
169	Performance analysis based on a Monte Carlo simulation of a liquid xenon PET detector. IEEE Transactions on Nuclear Science, 1995, 42, 2298-2302.	2.0	18
170	Purification of liquid xenon and impurity monitoring for a PET detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 349, 500-505.	1.6	31
171	Bose-Einstein correlations in $$ar p$$ p annihilations at rest. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1994, 63, 541-547.	1.5	9
172	Two pion Bose-Einstein correlations in p annihilations at rest. Nuclear Physics A, 1993, 558, 43-51.	1.5	9
173	Recent results of the CPLEAR experiment. Nuclear Physics A, 1993, 558, 437-447.	1.5	1
174	A study of T violation via the semileptonic decays of neutral kaons in CPLEAR. Nuclear Physics A, 1993, 558, 449-456.	1.5	2
175	Recent results on CP violation from the CPLEAR experiment. Nuclear Physics, Section B, Proceedings Supplements, 1993, 31, 196-199.	0.4	0
176	Emission spectra of gaseous avalanches and their time structure. IEEE Transactions on Nuclear Science, 1993, 40, 657-660.	2.0	1
177	VUV emissions in gaseous detectors. Journal of Optics, 1993, 24, 19-22.	0.3	2
178	Fragments and radicals in gaseous detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 323, 284-288.	1.6	10
179	The CPLEAR particle identification detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 311, 78-90.	1.6	9
180	First results from the CP lear experiment. Nuclear Physics, Section B, Proceedings Supplements, 1992, 27, 285-290.	0.4	0

#	Article	IF	Citations
181	Determination of the relative branching ratios for. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 154-158.	4.1	26
182	Status of the CP LEAR experiment and first results. Nuclear Physics, Section B, Proceedings Supplements, 1991, 24, 45-54.	0.4	0
183	Left-right ambiguity in the SQS mode. Nuclear Physics, Section B, Proceedings Supplements, 1990, 16, 505.	0.4	0
184	Azimuthal influence on dead time effects in the SQS mode. Nuclear Physics, Section B, Proceedings Supplements, 1990, 16, 508.	0.4	0
185	Left-right ambiguity in drift chambers operated in the self-quenched streamer mode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 292, 530-532.	1.6	0
186	Study of the time development of SQS pulses by the induced charge method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 279, 339-342.	1.6	1
187	Photosensitive mixtures in the SQS mode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 283, 705-708.	1.6	4
188	Time and positioning characteristics of the SQS mode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 283, 778-780.	1.6	2
189	The charge distribution of self-quenching streamers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 267, 93-100.	1.6	7
190	Time development of the asymmetry in the charges induced by SQS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 272, 921-923.	1.6	6
191	Photon breeding of self-quenching streamers (SQS). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 263, 368-374.	1.6	8
192	Light emission associated with self-quenching streamers (SQS). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 263, 375-380.	1.6	5
193	K-series X-rays from anti-protonic hydrogen and deuterium. Nuclear Physics A, 1988, 486, 604-622.	1.5	41
194	Background suppression in a gas scintillation proportional counter for exotic x-rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 252, 605-608.	1.6	4
195	A Gas Scintillation Proportional Detector for Exotic Hydrogen Atom X-Rays. IEEE Transactions on Nuclear Science, 1986, 33, 391-394.	2.0	10
196	Room temperature liquid ionization chambers using tetramethylsilane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1985, 241, 607-609.	1.6	10
197	Measurement of the K-line intensity ratios in muonic hydrogen between 0.25 and 150 torr gas pressures. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 143, 65-68.	4.1	46
198	A large-area xenon gas scintillation proportional counter (GSPC) with timing information for the detection of low energy X-rays. Nuclear Instruments & Methods in Physics Research, 1983, 207, 429-435.	0.9	9

#	Article	IF	Citations
199	A large-area xenon gas scintillation proportional counter (GSPC) with timing information for the detection of low energy muonic X-rays. Nuclear Instruments & Methods, 1980, 176, 105-109.	1.2	11
200	The liquid xenon detector for PET: recent results. , 0, , .		3
201	A liquid xenon detector for positron emission tomography. , 0, , .		2
202	Pressure dependence of secondary NIR scintillation. , 0, , .		3
203	Performance of a tracking device based on the GEM scintillation. , 0, , .		3