

Pedro Vaz

List of Publications by Year in descending order

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371
papers

6,518
citations

76326

40
h-index

114465

63
g-index

390
all docs

390
docs citations

390
times ranked

4822
citing authors

#	ARTICLE	IF	CITATIONS
19	Investigation of the $^{240}\text{Pu}(n,\gamma)^{241}\text{Pu}$ ratio and cross section of $^{240}\text{Pu}(n,\gamma)^{241}\text{Pu}$ reaction at the n_TOF/EAR2 facility in the 9 meV to 6 MeV range. Physical Review C, 2020, 102, .	2.9	7
20	Measurement and analysis of $^{155,157}\text{Gd}(n,\gamma)$ from thermal energy to 1 keV. EPJ Web of Conferences, 2020, 239, 01041.	0.3	0
21	Monte Carlo simulations and n-p differential scattering data measured with Proton Recoil Telescopes. EPJ Web of Conferences, 2020, 239, 01024.	0.3	5
22	Investigation of the $^{240}\text{Pu}(n,\gamma)^{241}\text{Pu}$ ratio and cross section of $^{240}\text{Pu}(n,\gamma)^{241}\text{Pu}$ reaction at the n_TOF/EAR2 facility in the 9 meV to 6 MeV range. Physical Review C, 2020, 102, .	2.9	7
23	Neutron capture measurement at the n_TOF facility of the ^{204}Tl and ^{205}Tl s-process branching points. Journal of Physics: Conference Series, 2020, 1668, 012005.	0.4	2
24	New reaction rates for the destruction of ^7Be during big bang nucleosynthesis measured at CERN/n_TOF and their implications on the cosmological lithium problem. EPJ Web of Conferences, 2020, 239, 07001.	0.3	0
25	$^{80}\text{Se}(n,\gamma)$ cross-section measurement at CERN n_TOF. Journal of Physics: Conference Series, 2020, 1668, 012001.	0.4	1
26	Review and new concepts for neutron-capture measurements of astrophysical interest. Journal of Physics: Conference Series, 2020, 1668, 012013.	0.4	1
27	Measurement of the $^{235}\text{U}(n,f)$ cross section at n_TOF from thermal to 170 keV. International Journal of Modern Physics Conference Series, 2020, 50, 2060011.	0.7	0
28	A compact fission detector for fission-tagging neutron capture experiments with radioactive fissile isotopes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163981.	1.6	2
29	Performance Analysis of Geiger-Müller and Cadmium Zinc Telluride Sensors Envisaging Airborne Radiological Monitoring in NORM Sites. Sensors, 2020, 20, 1538.	3.8	12
30	Evaluation of the Portuguese population exposure to ionizing radiation due to x-ray and nuclear medicine procedures from 2013 to 2017. Radiation Physics and Chemistry, 2020, 172, 108762.	2.8	7
31	Assessment of out-of-field doses in radiotherapy treatments of paediatric patients using Monte Carlo methods and measurements. Physica Medica, 2020, 71, 53-61.	0.7	8
32	Dosimetric assessment in different tumour phenotypes with auger electron emitting radionuclides: $^{99\text{m}}\text{Tc}$, ^{125}I , ^{161}Tb , and ^{177}Lu . Radiation Physics and Chemistry, 2020, 172, 108763.	2.8	5
33	Measurement of the $^{154}\text{Gd}(n,\gamma)$ cross section and its astrophysical implications. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135405.	4.1	12
34	Organ dose measurements using an adult anthropomorphic phantom and risk estimation of cancer incidence from CBCT exposures. Radiation Physics and Chemistry, 2020, 171, 108715.	2.8	4
35	Preliminary results on the ^{233}U $\hat{\sigma}$ -ratio measurement at n_TOF. EPJ Web of Conferences, 2020, 239, 01043.	0.3	2
36	Status and perspectives of the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2020, 239, 17001.	0.3	3

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37	Radiobiological and dosimetric assessment of DNA-intercalated ^{99m}Tc -complexes bearing acridine orange derivatives. EJNMMI Research, 2020, 10, 79.	2.5	9
38	First results of the $^{230}\text{Th}(n,f)$ cross section measurements at the CERN n_TOF facility. EPJ Web of Conferences, 2020, 239, 05004.	0.3	0
39	Accurate measurement of the standard $^{235}\text{U}(n,f)$ cross section from thermal to 170 keV neutron energy. EPJ Web of Conferences, 2020, 239, 08002.	0.3	0
40	Measurement of the $^{242}\text{Pu}(n, \hat{p})$ cross section from thermal to 500 keV at the Budapest research reactor and CERN n_TOF-EAR1 facilities. EPJ Web of Conferences, 2020, 239, 01019.	0.3	0
41	Study of the neutron-induced fission cross section of ^{237}Np at CERN's n_TOF facility over a wide energy range. EPJ Web of Conferences, 2020, 239, 05006.	0.3	0
42	The ^{154}Gd neutron capture cross section measured at the n_TOF facility and its astrophysical implications. EPJ Web of Conferences, 2020, 239, 07003.	0.3	0
43	Study of photon strength functions of ^{241}Pu and ^{245}Cm from neutron capture measurements. EPJ Web of Conferences, 2020, 239, 01015.	0.3	2
44	Measurement of the energy-differential cross-section of the $^{12}\text{C}(n,p)^{12}\text{B}$ and $^{12}\text{C}(n,d)^{11}\text{B}$ reactions at the n_TOF facility at CERN. EPJ Web of Conferences, 2020, 239, 01045.	0.3	0
45	First results of the $^{241}\text{Am}(n,f)$ cross section measurement at the Experimental Area 2 of the n_TOF facility at CERN. EPJ Web of Conferences, 2020, 239, 05014.	0.3	0
46	Measurement of the ^{244}Cm capture cross sections at both CERN n_TOF experimental areas. EPJ Web of Conferences, 2020, 239, 01034.	0.3	4
47	Setup for the measurement of the $^{235}\text{U}(n, f)$ cross section relative to n-p scattering up to 1 GeV. EPJ Web of Conferences, 2020, 239, 01008.	0.3	4
48	Neutron capture cross section measurements of ^{241}Am at the n_TOF facility. EPJ Web of Conferences, 2020, 239, 01009.	0.3	2
49	Dose assessment and reconstruction algorithm optimization in simultaneous breast and lung CT imaging.. Radiation Physics and Chemistry, 2020, 176, 108972.	2.8	0
50	Fission program at n_TOF. EPJ Web of Conferences, 2019, 211, 03006.	0.3	1
51	Measurement of the ^{244}Cm and ^{246}Cm neutron-induced capture cross sections at the n_TOF facility. EPJ Web of Conferences, 2019, 211, 03008.	0.3	3
52	Measurement of the $^{235}\text{U}(n, f)$ cross section relative to the $^6\text{Li}(n, t)$ and $^{10}\text{B}(n, \alpha)$ standards from thermal to 170 keV neutron energy range at n_TOF. European Physical Journal A, 2019, 55, 1.	2.5	20
53	Measurement of the $^{235}\text{U}(n, f)$ cross section up to 300 keV at the CERN n_TOF facility. Physical Review C, 2019, 100, 014607.	2.9	13
54	Study of the photon strength functions and level density in the gamma decay of the n + ^{234}U reaction. EPJ Web of Conferences, 2019, 211, 02002.	0.3	2

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55	Preliminary results on the ^{233}U capture cross section and alpha ratio measured at n_TOF (CERN) with the fission tagging technique. EPJ Web of Conferences, 2019, 211, 03007.	0.3	3
56	Cross section measurements of $^{155,157}\text{Gd}(n,\gamma)$ induced by thermal and epithermal neutrons. European Physical Journal A, 2019, 55, 1.	2.5	23
57	A survey on emergency thyroid monitoring strategies and capacities in Europe and comparison with international recommendations. Radiation Measurements, 2019, 128, 106086.	1.4	2
58	Small animal image-guided radiotherapy. British Journal of Radiology, 2019, 92, .	2.2	0
59	Measurement of $^{73}\text{Ge}(n,\gamma)$ cross sections and implications for stellar nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 458-465.	4.1	11
60	Child and adult thyroid monitoring after a reactor accident (CATHYMAR): Technical recommendations and remaining gaps. Radiation Measurements, 2019, 128, 106069.	1.4	11
61	Increasing organ dose accuracy through voxel phantom organ matching with individual patient anatomy. Radiation Physics and Chemistry, 2019, 159, 35-46.	2.8	1
62	Dosimetric assessment of the exposure of radiotherapy patients due to cone-beam CT procedures. Radiation and Environmental Biophysics, 2019, 58, 21-37.	1.4	1
63	Measurement of the ^{244}Cm and ^{246}Cm Neutron-Induced Cross Sections at the n_TOF Facility. Springer Proceedings in Physics, 2019, , 117-122.	0.2	0
64	Data for the s Process from n_TOF. Springer Proceedings in Physics, 2019, , 63-70.	0.2	1
65	Characterization and First Test of an i-TED Prototype at CERN n_TOF. Springer Proceedings in Physics, 2019, , 169-173.	0.2	0
66	$^{7}\text{Be}(n,p)^{6}\text{Li}$ Cross Section Measurement for the Cosmological Lithium Problem at the n_TOF Facility at CERN. Springer Proceedings in Physics, 2019, , 25-32.	0.2	0
67	Preparation and characterization of ^{235}U samples for $^{235}\text{U}(n,\gamma)^{236}\text{U}$ cross section measurement at the n_TOF facility at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 142-147.	1.6	2
68	Radiative neutron capture on ^{242}Pu in the resonance region at the CERN n_TOF-EAR1 facility. Physical Review C, 2018, 97, .	2.9	21
69	Monte Carlo dose distribution calculation at nuclear level for Auger-emitting radionuclide energies. Applied Radiation and Isotopes, 2018, 135, 72-77.	1.5	9
70	Experimental setup and procedure for the measurement of the $^{7}\text{Be}(n,p)^{6}\text{Li}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 27-33.	1.6	14
71	Measurement of the radiative capture cross section of the s-process branching points ^{204}Tl and ^{171}Tm at the n_TOF facility (CERN). EPJ Web of Conferences, 2018, 178, 03004.	0.3	1
72	First Measurement of $^{72}\text{Ge}(n,\gamma)$ at n_TOF. EPJ Web of Conferences, 2018, 184, 02005.	0.3	0

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73	Measurement and analysis of the ^{241}Am neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2018, 97, .	2.9	9
74	Activity estimation and biokinetic analysis of $^{99\text{m}}\text{Tc}$ -DMSA in renal infant patients using a gamma camera. Physica Medica, 2018, 52, 9-17.	0.7	2
75	Measurement and resonance analysis of the $^{7\text{Be}}$ σ_{p} cross section at the CERN n_TOF facility in the ener. Physical Review C, 2018, 97, .	7.8	107
76	Dosimetry assessment of DNA damage by Auger-emitting radionuclides: Experimental and Monte Carlo studies. Radiation Physics and Chemistry, 2017, 140, 278-282.	2.8	5
77	Entrance surface dose distribution and organ dose assessment for cone-beam computed tomography using measurements and Monte Carlo simulations with voxel phantoms. Radiation Physics and Chemistry, 2017, 140, 428-434.	2.8	1
78	Evaluation of Acridine Orange Derivatives as DNA-Targeted Radiopharmaceuticals for Auger Therapy: Influence of the Radionuclide and Distance to DNA. Scientific Reports, 2017, 7, 42544.	3.3	57
79	Neutron spectroscopy of ^{26}Mg states: Constraining the stellar neutron source $^{22}\text{Ne}(\hat{n},n)^{25}\text{Mg}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 1-6.	4.1	32
80	Influence of X-ray scatter radiation on image quality in Digital Breast Tomosynthesis (DBT). Radiation Physics and Chemistry, 2017, 140, 300-304.	2.8	1
81	Neutron capture cross section measurement of ^{238}U at the CERN n_TOF facility in the energy region from 1 eV to 700 keV. Physical Review C, 2017, 95, .	2.9	12
82	High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERN. European Physical Journal A, 2017, 53, 1.	2.5	41
83	Monte carlo simulations of the n_TOF lead spallation target with the Geant4 toolkit: A benchmark study. EPJ Web of Conferences, 2017, 146, 03030.	0.3	0
84	Measurement of the $^{238}\text{U}(n,\hat{\gamma})$ cross section up to 80 keV with the Total Absorption Calorimeter at the CERN n_TOF facility. Physical Review C, 2017, 96, .	2.9	8
85	RENEB – Running the European Network of biological dosimetry and physical retrospective dosimetry. International Journal of Radiation Biology, 2017, 93, 2-14.	1.8	52
86	Capabilities of the RENEB network for research and large scale radiological and nuclear emergency situations. International Journal of Radiation Biology, 2017, 93, 136-141.	1.8	11
87	The Nuclear Astrophysics program at n_TOF (CERN). EPJ Web of Conferences, 2017, 165, 01014.	0.3	1
88	$^{7\text{Be}}(n,\hat{\gamma})$ and $^{7\text{Be}}(n,p)$ cross-section measurement for the cosmological lithium problem at the n_TOF facility at CERN. EPJ Web of Conferences, 2017, 146, 01012.	0.3	1
89	The ^{236}U neutron capture cross-section measured at the n_TOF CERN facility. EPJ Web of Conferences, 2017, 146, 11054.	0.3	1

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91	Characterization of the n_TOF EAR-2 neutron beam. EPJ Web of Conferences, 2017, 146, 03020.	0.3	1
92	High accuracy $^{234}\text{U}(n,f)$ cross section in the resonance energy region. EPJ Web of Conferences, 2017, 146, 04057.	0.3	1
93	The measurement programme at the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2017, 146, 11002.	0.3	2
94	New measurement of the $^{242}\text{Pu}(n,\hat{f}^3)$ cross section at n_TOF-EAR1 for MOX fuels: Preliminary results in the RRR. EPJ Web of Conferences, 2017, 146, 11045.	0.3	1
95	The n_TOF facility: Neutron beams for challenging future measurements at CERN. EPJ Web of Conferences, 2017, 146, 03001.	0.3	1
96	Dissemination of data measured at the CERN n_TOF facility. EPJ Web of Conferences, 2017, 146, 07002.	0.3	3
97	High precision measurement of the radiative capture cross section of ^{238}U at the n_TOF CERN facility. EPJ Web of Conferences, 2017, 146, 11028.	0.3	0
98	Time-of-flight and activation experiments on ^{147}Pm and ^{171}Tm for astrophysics. EPJ Web of Conferences, 2017, 146, 01007.	0.3	0
99	The $^{33}\text{S}(n,\hat{f}^{\pm})^{30}\text{Si}$ cross section measurement at n_TOF-EAR2 (CERN): From 0.01 eV to the resonance region. EPJ Web of Conferences, 2017, 146, 08004.	0.3	3
100	Measurement of the $^{240}\text{Pu}(n,f)$ cross-section at the CERN n_TOF facility: First results from experimental area II (EAR-2). EPJ Web of Conferences, 2017, 146, 04030.	0.3	6
101	Measurement of the neutron capture cross section of the fissile isotope ^{235}U with the CERN n_TOF total absorption calorimeter and a fission tagging based on micromegas detectors. EPJ Web of Conferences, 2017, 146, 11021.	0.3	7
102	Measurement of the ^{241}Am neutron capture cross section at the n_TOF facility at CERN. EPJ Web of Conferences, 2017, 146, 11022.	0.3	1
103	The CERN n_TOF facility: a unique tool for nuclear data measurement. EPJ Web of Conferences, 2016, 122, 05001.	0.3	3
104	Overview of the PREPARE WP3: management of contaminated goods in post-accidental situation – Synthesis of European stakeholders' panels. Radioprotection, 2016, 51, S83-S91.	1.0	12
105	Towards the high-accuracy determination of the ^{238}U fission cross section at the threshold region at CERN – n_TOF. EPJ Web of Conferences, 2016, 111, 02002.	0.3	2
106	High accuracy $^{235}\text{U}(n,f)$ data in the resonance energy region. EPJ Web of Conferences, 2016, 111, 02003.	0.3	7
107	Experiments with neutron beams for the astrophysical s process. Journal of Physics: Conference Series, 2016, 665, 012020.	0.4	2
108	Nuclear data activities at the n_TOF facility at CERN. European Physical Journal Plus, 2016, 131, 1.	2.6	26

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109	Assessment of the Absorbed Dose in the Kidney of Nuclear Nephrology Paediatric Patients using ICRP Biokinetic Data and Monte Carlo Simulations with Mass-Scaled Paediatric Voxel Phantoms. Radiation Protection Dosimetry, 2016, 174, 121-135.	0.8	0
110	Cancer risk estimation in Digital Breast Tomosynthesis using GEANT4 Monte Carlo simulations and voxel phantoms. Physica Medica, 2016, 32, 717-723. http://www.w3.org/1998/Math/MathML	0.7	11
111	$\frac{1}{7} \int_0^{\infty} \sigma_{\text{fission}}(E) \phi(E) dE$	7.8	94
112	In vivo measurements for biokinetic and monte carlo simulations of absorbed dose in paediatric patients using radiopharmaceuticals. Physica Medica, 2016, 32, 229-230.	0.7	1
113	Neutron-induced fission cross section of ^{237}Np in the keV to MeV range at the CERN n_TOF facility. Physical Review C, 2016, 93, .	2.9	11
114	Fission Fragment Angular Distribution measurements of ^{235}U and ^{238}U at CERN n_TOF facility. EPJ Web of Conferences, 2016, 111, 10002.	0.3	14
115	Integral measurement of the $^{12}\text{C}(n, p)^{12}\text{B}$ reaction up to 10 GeV. European Physical Journal A, 2016, 52, 1.	2.5	9
116	Response of the REWARD detection system to the presence of a Radiological Dispersal Device. Radiation Measurements, 2016, 88, 20-32.	1.4	2
117	Experimental setup and procedure for the measurement of the $^{7}\text{Be}(n, \alpha)^{4}\text{He}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 197-205.	1.6	21
118	Nuclear Data for the Thorium Fuel Cycle and the Transmutation of Nuclear Waste. , 2016, , 207-214.		1
119	Response of the REWARD detection system to the presence of a Radiological Dispersal Device. , 2015, , .		0
120	Material assessment for ITER's collective Thomson Scattering first mirror. , 2015, , .		1
121	Experimental neutron capture data of ^{58}Ni from the CERN n_TOF facility. EPJ Web of Conferences, 2015, 93, 02009.	0.3	0
122	Radiological protection, safety and security issues in the industrial and medical applications of radiation sources. Radiation Physics and Chemistry, 2015, 116, 48-55.	2.8	24
123	Dosimetric characterization and organ dose assessment in digital breast tomosynthesis: Measurements and Monte Carlo simulations using voxel phantoms. Medical Physics, 2015, 42, 3788-3800.	3.0	17
124	Realising the European network of biodosimetry: RENEB--status quo. Radiation Protection Dosimetry, 2015, 164, 42-45.	0.8	41
125	Estimation of the collective ionizing dose in the Portuguese population for the years 2011 and 2012, due to nuclear medicine exams. Revista Espanola De Medicina Nuclear E Imagen Molecular, 2015, 34, 1-8.	0.0	8
126	Estimation of the collective ionizing dose in the Portuguese population for the years 2011 and 2012, due to nuclear medicine exams. Revista Espanola De Medicina Nuclear E Imagen Molecular, 2015, 34, 1-8.	0.2	0

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127	Assessment of patient dose reduction by bismuth shielding in CT using measurements, GEANT4 and MCNPX simulations. Radiation Protection Dosimetry, 2015, 165, 175-181.	0.8	12
128	Paediatric CT exposures: comparison between CTDI _{vol} and SSDE methods using measurements and Monte Carlo simulations. Radiation Protection Dosimetry, 2015, 165, 210-215.	0.8	8
129	Determination of backscatter factors in breast tomosynthesis using MCNPX simulations and measurements. Radiation Protection Dosimetry, 2015, 165, 325-330.	0.8	2
130	High-accuracy determination of the $\int U$	2.9	24
131	A dosimetric study of prostate brachytherapy using Monte Carlo simulations with a voxel phantom, measurements and a comparison with a treatment planning procedure. Radiation Protection Dosimetry, 2015, 165, 482-487.	0.8	3
132	Effect of the glandular composition on digital breast tomosynthesis image quality and dose optimisation. Radiation Protection Dosimetry, 2015, 165, 337-341.	0.8	1
133	Assessment of the occupational exposure in real time during interventional cardiology procedures. Radiation Protection Dosimetry, 2015, 165, 304-309.	0.8	6
134	The new vertical neutron beam line at the CERN n_TOF facility design and outlook on the performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 799, 90-98.	1.6	82
135	The nucleosynthesis of heavy elements in Stars: the key isotope ²⁵ Mg. EPJ Web of Conferences, 2014, 66, 07016.	0.3	1
136	Measurements of neutron cross sections for advanced nuclear energy systems at n_TOF (CERN). EPJ Web of Conferences, 2014, 66, 10001.	0.3	2
137	Neutron cross-sections for advanced nuclear systems: the n_TOF project at CERN. EPJ Web of Conferences, 2014, 79, 01003.	0.3	0
138	²³⁸ U(n, $\hat{\nu}$) ³ reaction cross section measurement with C6D6 detectors at the n_TOF CERN facility.. EPJ Web of Conferences, 2014, 66, 03061.	0.3	1
139	Implementation of the quality management system at the Laboratory of Radiological Protection and Safety (LPSR) in Portugal. Accreditation and Quality Assurance, 2014, 19, 355-360.	0.8	9
140	Experimental tests of an advanced proton-to-neutron converter at ISOLDE-CERN. Nuclear Instruments & Methods in Physics Research B, 2014, 336, 143-148.	1.4	22
141	Experimental neutron capture data of ^{62}Ni from the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	28
142	Measurement of the $^{12}\text{C}(n,p)^{12}\text{B}$ cross section at n_TOF at CERN by in-beam activation analysis. Physical Review C, 2014, 89, .	2.9	31
143	Measurement of the $^{12}\text{C}(n,p)^{12}\text{B}$ cross section at n_TOF at CERN by in-beam activation analysis. Physical Review C, 2014, 90, .	2.9	14
144	Does the Number of Irradiated Cells Influence the Spatial Distribution of Bystander Effects? Dose-Response, 2014, 12, dose-response.1.	1.6	6

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145	Image quality and dose assessment in digital breast tomosynthesis: A Monte Carlo study. Radiation Physics and Chemistry, 2014, 104, 158-162.	2.8	14
146	Dosimetric effect of tissue heterogeneity for 125I prostate implants. Reports of Practical Oncology and Radiotherapy, 2014, 19, 392-398.	0.6	14
147	Radiation protection and dosimetry issues in the medical applications of ionizing radiation. Radiation Physics and Chemistry, 2014, 104, 23-30.	2.8	7
148	Optimal photon energy comparison between digital breast tomosynthesis and mammography: A case study. Physica Medica, 2014, 30, 482-488.	0.7	17
149	Measurement and analysis of the α neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 89, .	2.9	14
150	Neutron-induced fission cross section of U234 measured at the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	14
151	Measurement of the angular distribution of fission fragments using a PPAC assembly at CERN n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 743, 79-85.	1.6	28
152	Evaluation of the radiation field and shielding assessment of the experimental area of HIE-ISOLDE. Radiation Protection Dosimetry, 2014, 161, 347-351.	0.8	0
153	Measurement and analysis of the α neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 89, .	2.9	26
154	Tissue composition and density impact on the clinical parameters for 125I prostate implants dosimetry. Physica Medica, 2014, 30, 799-808.	0.7	2
155	Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical s-process. Nuclear Data Sheets, 2014, 120, 201-204.	2.2	2
156	The $(n, \hat{1}\pm)$ Reaction in the s-process Branching Point 59Ni. Nuclear Data Sheets, 2014, 120, 208-210.	2.2	14
157	Comparison of unfolding codes for neutron spectrometry with Bonner spheres. Radiation Protection Dosimetry, 2014, 161, 46-52.	0.8	28
158	Assessment of the dose distribution inside a cardiac cath lab using TLD measurements and Monte Carlo simulations. Radiation Physics and Chemistry, 2014, 104, 163-169.	2.8	8
159	GEANT4 simulation of the neutron background of the C6D6 set-up for capture studies at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 760, 57-67.	1.6	31
160	Comparison of different breast planning techniques and algorithms for radiation therapy treatment. Physica Medica, 2014, 30, 160-170.	0.7	12
161	Neutron cross-sections for advanced nuclear systems: the n_TOF project at CERN. EPJ Web of Conferences, 2014, 79, 01003.	0.3	0
162	High-accuracy determination of the neutron flux at n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	71

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163	Performance of the neutron time-of-flight facility n_TOF at CERN. European Physical Journal A, 2013, 49, 1.	2.5	205
164	Measurement of the neutron-induced fission cross-section of ^{241}Am at the time-of-flight facility n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	9
165	Radiation protection, radiation safety and radiation shielding assessment of HIE-ISOLDE. Radiation Protection Dosimetry, 2013, 155, 351-363.	0.8	7
166	Neutron induced capture and fission discrimination using calorimetric shape decomposition. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 704, 60-67.	1.6	5
167	A new CVD diamond mosaic-detector for (n, γ) reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 190-194.	1.6	26
168	Neutron Capture Cross Section of Unstable ^{63}Ni : Implications for Stellar Nucleosynthesis. Physical Review Letters, 2013, 110, 022501.	7.8	44
169	Dose optimization in CT, in Nuclear Medicine and in PET-CT procedures. , 2013, , .		0
170	Neutron research at the N_TOF facility (CERN): Results and perspectives. , 2013, , .		0
171	Dosimetric assessment and characterisation of the neutron field around a Howitzer container using a Bonner sphere spectrometer, Monte Carlo simulations and the NSDann and NSDUAZ unfolding codes. Radiation Protection Dosimetry, 2013, 154, 346-355.	0.8	3
172	Medical staff extremity dosimetry in CT fluoroscopy: an anthropomorphic hand voxel phantom study. Physics in Medicine and Biology, 2013, 58, 5433-5448.	3.0	16
173	Dose and Time Dependence of Targeted and Untargeted Effects after Very Low doses of ^{137}Cs Particle Irradiation of Human Lung Cancer Cells. Dose-Response, 2013, 11, dose-response.1.	1.6	4
174	Efficiency correction factors of an ACCUSCAN whole-body counter due to the biodistribution of ^{134}Cs , ^{137}Cs and ^{60}Co . Radiation Protection Dosimetry, 2013, 155, 16-24.	0.8	9
175	Estimation of the collective dose in the Portuguese population due to medical procedures in 2010. Radiation Protection Dosimetry, 2013, 154, 446-458.	0.8	14
176	The ^{63}Ni neutron capture cross section. Physical Review Letters, 2013, 110, 022501.	2.9	39
177	reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, . Angular distribution in the neutron-induced fission of actinides. EPJ Web of Conferences, 2013, 62, 08003.	0.3	1
178	THE Am-243 NEUTRON CAPTURE MEASUREMENT AT THE n_TOF FACILITY. , 2013, , .		0
179	Realising the European Network of Biodosimetry (RENEB). Radiation Protection Dosimetry, 2012, 151, 621-625.	0.8	54
180	Assessment of paediatric CT exposure in a Portuguese hospital. Radiation Protection Dosimetry, 2012, 151, 456-462.	0.8	7

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229	cross sections of $\langle \text{math \rangle Os \langle \text{mprescripts$	2.9	36
230	$\langle \text{math \rangle Au \langle \text{mprescripts$	2.8	55
231	The $\langle \text{math \rangle Zr \langle \text{mprescripts$	2.9	33
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