

Pedro Vaz

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

327
papers

5,454
citations

37
h-index

57
g-index

390
ext. papers

5,935
ext. citations

2.1
avg. IF

3.9
L-index

#	Paper	IF	Citations
327	First $^{80}\text{Se}(n,\gamma)$ cross section measurement with high resolution in the full stellar energy range 1 eV - 100 keV and its astrophysical implications for the s-process. <i>EPJ Web of Conferences</i> , 2022 , 260, 11026	0.3	0
326	X-ray dosimetry in breast cancer screening: 2D and 3D mammography.. <i>European Journal of Radiology</i> , 2022 , 151, 110278	4.7	0
325	Letter response relatively to the paper entitled: Assessment of the uterine dose in digital mammography and digital breast tomosynthesis.. <i>Radiography</i> , 2022 ,	2	0
324	NEAR: A New Station to Study Neutron-Induced Reactions of Astrophysical Interest at CERN-n_TOF. <i>Universe</i> , 2022 , 8, 255	2.5	0
323	Patients' organ dose and risk assessment in interventional cardiology procedures. <i>Radiation Physics and Chemistry</i> , 2022 , 198, 110253	2.5	0
322	Measurement of the $^{76}\text{Ge}(n,\gamma)$ cross section at the n_TOF facility at CERN. <i>Physical Review C</i> , 2021 , 104,	2.7	1
321	Radiative Neutron Capture Cross-Section Measurement of Ge Isotopes at n_TOF CERN Facility and Its Importance for Stellar Nucleosynthesis. <i>Acta Physica Polonica A</i> , 2021 , 139, 383-388	0.6	0
320	Measurement of the $^{72}\text{Ge}(n,\gamma)$ cross section over a wide neutron energy range at the CERN n_TOF facility. <i>Physical Review C</i> , 2021 , 103,	2.7	1
319	First Results of the $^{140}\text{Ce}(n,\gamma)^{141}\text{Ce}$ Cross-Section Measurement at n_TOF. <i>Universe</i> , 2021 , 7, 200	2.5	2
318	Imaging neutron capture cross sections: i-TED proof-of-concept and future prospects based on Machine-Learning techniques. <i>European Physical Journal A</i> , 2021 , 57, 1	2.5	4
317	Synthesis and Biological Evaluation of Tc(I) Tricarbonyl Complexes Dual-Targeted at Tumoral Mitochondria. <i>Molecules</i> , 2021 , 26,	4.8	4
316	State-of-the-Art Mobile Radiation Detection Systems for Different Scenarios. <i>Sensors</i> , 2021 , 21,	3.8	13
315	Destruction of the cosmic γ emitter ^{26}Al in massive stars: Study of the key $^{26}\text{Al}(n,p)$ reaction. <i>Physical Review C</i> , 2021 , 104,	2.7	2
314	Assessment of the uterine dose in digital mammography and digital breast tomosynthesis. <i>Radiography</i> , 2021 ,	2	2
313	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. <i>EPJ Web of Conferences</i> , 2020 , 239, 07001	0.3	0
312	$^{80}\text{Se}(n,\gamma)$ cross-section measurement at CERN n TOF. <i>Journal of Physics: Conference Series</i> , 2020 , 1668, 012001	0.3	0
311	Review and new concepts for neutron-capture measurements of astrophysical interest. <i>Journal of Physics: Conference Series</i> , 2020 , 1668, 012013	0.3	1

310	Measurement of the $^{235}\text{U}(n,f)$ cross section at n_{TOF} from thermal to 170 keV. <i>International Journal of Modern Physics Conference Series</i> , 2020 , 50, 2060011	0.7	
309	A compact fission detector for fission-tagging neutron capture experiments with radioactive fissile isotopes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 969, 163981	1.2	1
308	Performance Analysis of Geiger-Müller and Cadmium Zinc Telluride Sensors Envisaging Airborne Radiological Monitoring in NORM Sites. <i>Sensors</i> , 2020 , 20,	3.8	7
307	Evaluation of the Portuguese population exposure to ionizing radiation due to x-ray and nuclear medicine procedures from 2013 to 2017. <i>Radiation Physics and Chemistry</i> , 2020 , 172, 108762	2.5	2
306	Assessment of out-of-field doses in radiotherapy treatments of paediatric patients using Monte Carlo methods and measurements. <i>Physica Medica</i> , 2020 , 71, 53-61	2.7	3
305	Dosimetric assessment in different tumour phenotypes with auger electron emitting radionuclides: ^{99m}Tc , ^{125}I , ^{161}Tb , and ^{177}Lu . <i>Radiation Physics and Chemistry</i> , 2020 , 172, 108763	2.5	2
304	Measurement of the $^{154}\text{Gd}(n,\gamma)$ cross section and its astrophysical implications. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 804, 135405	4.2	5
303	Radiobiological and dosimetric assessment of DNA-intercalated Tc-complexes bearing acridine orange derivatives. <i>EJNMMI Research</i> , 2020 , 10, 79	3.6	7
302	Study of photon strength functions of ^{241}Pu and ^{245}Cm from neutron capture measurements. <i>EPJ Web of Conferences</i> , 2020 , 239, 01015	0.3	0
301	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. <i>EPJ Web of Conferences</i> , 2020 , 239, 01045	0.3	
300	First results of the $^{241}\text{Am}(n,f)$ cross section measurement at the Experimental Area 2 of the n_{TOF} facility at CERN. <i>EPJ Web of Conferences</i> , 2020 , 239, 05014	0.3	
299	Measurement of the ^{244}Cm capture cross sections at both CERN n_{TOF} experimental areas. <i>EPJ Web of Conferences</i> , 2020 , 239, 01034	0.3	
298	Setup for the measurement of the $^{235}\text{U}(n, f)$ cross section relative to n-p scattering up to 1 GeV. <i>EPJ Web of Conferences</i> , 2020 , 239, 01008	0.3	3
297	Neutron capture cross section measurements of ^{241}Am at the n_{TOF} facility. <i>EPJ Web of Conferences</i> , 2020 , 239, 01009	0.3	
296	Dose assessment and reconstruction algorithm optimization in simultaneous breast and lung CT imaging.. <i>Radiation Physics and Chemistry</i> , 2020 , 176, 108972	2.5	
295	First results of the $^{230}\text{Th}(n,f)$ cross section measurements at the CERN n_{TOF} facility. <i>EPJ Web of Conferences</i> , 2020 , 239, 05004	0.3	
294	Accurate measurement of the standard $^{235}\text{U}(n,f)$ cross section from thermal to 170 keV neutron energy. <i>EPJ Web of Conferences</i> , 2020 , 239, 08002	0.3	
293	Measurement of the $^{242}\text{Pu}(n, \gamma)$ cross section from thermal to 500 keV at the Budapest research reactor and CERN n_{TOF} -EAR1 facilities. <i>EPJ Web of Conferences</i> , 2020 , 239, 01019	0.3	

292	Study of the neutron-induced fission cross section of ^{237}Np at CERN's n_TOF facility over a wide energy range. <i>EPJ Web of Conferences</i> , 2020 , 239, 05006	0.3	
291	The ^{154}Gd neutron capture cross section measured at the n_TOF facility and its astrophysical implications. <i>EPJ Web of Conferences</i> , 2020 , 239, 07003	0.3	
290	Organ dose measurements using an adult anthropomorphic phantom and risk estimation of cancer incidence from CBCT exposures. <i>Radiation Physics and Chemistry</i> , 2020 , 171, 108715	2.5	1
289	Preliminary results on the ^{233}U β -ratio measurement at n_TOF. <i>EPJ Web of Conferences</i> , 2020 , 239, 01043	0.3	1
288	Status and perspectives of the neutron time-of-flight facility n_TOF at CERN. <i>EPJ Web of Conferences</i> , 2020 , 239, 17001	0.3	1
287	Neutron Capture on the s-Process Branching Point ^{171}Tm via Time-of-Flight and Activation. <i>Physical Review Letters</i> , 2020 , 125, 142701	7.4	6
286	Measurement of the β -ratio and (n,γ) cross section of ^{235}U from 0.2 to 200 eV at n_TOF. <i>Physical Review C</i> , 2020 , 102,	2.7	1
285	Measurement and analysis of $^{155,157}\text{Gd}(n,\gamma)$ from thermal energy to 1 keV. <i>EPJ Web of Conferences</i> , 2020 , 239, 01041	0.3	
284	Monte Carlo simulations and n-p differential scattering data measured with Proton Recoil Telescopes. <i>EPJ Web of Conferences</i> , 2020 , 239, 01024	0.3	2
283	Investigation of the $^{240}\text{Pu}(n,f)$ reaction at the n_TOF/EAR2 facility in the 9 meV \leq MeV range. <i>Physical Review C</i> , 2020 , 102,	2.7	3
282	Neutron capture measurement at the n TOF facility of the ^{204}Tl and ^{205}Tl s-process branching points. <i>Journal of Physics: Conference Series</i> , 2020 , 1668, 012005	0.3	2
281	Study of the photon strength functions and level density in the gamma decay of the n + ^{234}U reaction. <i>EPJ Web of Conferences</i> , 2019 , 211, 02002	0.3	1
280	Preliminary results on the ^{233}U capture cross section and alpha ratio measured at n_TOF (CERN) with the fission tagging technique. <i>EPJ Web of Conferences</i> , 2019 , 211, 03007	0.3	3
279	Cross section measurements of $^{155,157}\text{Gd}(n,\gamma)$ induced by thermal and epithermal neutrons. <i>European Physical Journal A</i> , 2019 , 55, 1	2.5	16
278	A survey on emergency thyroid monitoring strategies and capacities in Europe and comparison with international recommendations. <i>Radiation Measurements</i> , 2019 , 128, 106086	1.5	1
277	Measurement of $^{73}\text{Ge}(n,\gamma)$ cross sections and implications for stellar nucleosynthesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 458-465	4.2	5
276	Child and adult thyroid monitoring after a reactor accident (CATHyMARA): Technical recommendations and remaining gaps. <i>Radiation Measurements</i> , 2019 , 128, 106069	1.5	6
275	Increasing organ dose accuracy through voxel phantom organ matching with individual patient anatomy. <i>Radiation Physics and Chemistry</i> , 2019 , 159, 35-46	2.5	0

274	Fission program at n_TOF. <i>EPJ Web of Conferences</i> , 2019 , 211, 03006	0.3	1
273	Measurement of the ²⁴⁴ Cm and ²⁴⁶ Cm neutron-induced capture cross sections at the n_TOF facility. <i>EPJ Web of Conferences</i> , 2019 , 211, 03008	0.3	2
272	Measurement of the ²³⁵ U(n, f) cross section relative to the ⁶ Li(n, t) and ¹⁰ B(n, (alpha)) standards from thermal to 170 keV neutron energy range at n_TOF. <i>European Physical Journal A</i> , 2019 , 55, 1	2.5	13
271	Measurement of the ⁷⁰ Ge(n, n̄) cross section up to 300 keV at the CERN n_TOF facility. <i>Physical Review C</i> , 2019 , 100,	2.7	3
270	Measurement of the (²⁴⁴)Cm and (²⁴⁶)Cm Neutron-Induced Cross Sections at the n_TOF Facility. <i>Springer Proceedings in Physics</i> , 2019 , 117-122	0.2	
269	Data for the s Process from n_TOF. <i>Springer Proceedings in Physics</i> , 2019 , 63-70	0.2	
268	Characterization and First Test of an i-TED Prototype at CERN n_TOF. <i>Springer Proceedings in Physics</i> , 2019 , 169-173	0.2	
267	(⁷)Be(n,p)(⁷)Li Cross Section Measurement for the Cosmological Lithium Problem at the n_TOF Facility at CERN. <i>Springer Proceedings in Physics</i> , 2019 , 25-32	0.2	
266	Dosimetric assessment of the exposure of radiotherapy patients due to cone-beam CT procedures. <i>Radiation and Environmental Biophysics</i> , 2019 , 58, 21-37	2	1
265	Preparation and characterization of ³³ S samples for ³³ S(n, n̄) ³⁰ Si cross-section measurements at the n_TOF facility at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 890, 142-147	1.2	1
264	Radiative neutron capture on Pu242 in the resonance region at the CERN n_TOF-EAR1 facility. <i>Physical Review C</i> , 2018 , 97,	2.7	14
263	Monte Carlo dose distribution calculation at nuclear level for Auger-emitting radionuclide energies. <i>Applied Radiation and Isotopes</i> , 2018 , 135, 72-77	1.7	7
262	Experimental setup and procedure for the measurement of the ⁷ Be(n,p) ⁷ Li reaction at n_TOF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 887, 27-33	1.2	13
261	Activity estimation and biokinetic analysis of Tc-DMSA in renal infant patients using a gamma camera. <i>Physica Medica</i> , 2018 , 52, 9-17	2.7	1
260	⁷ Be(n,p) ⁷ Li Reaction and the Cosmological Lithium Problem: Measurement of the Cross Section in a Wide Energy Range at n_TOF at CERN. <i>Physical Review Letters</i> , 2018 , 121, 042701	7.4	38
259	Measurement and resonance analysis of the ³³ S(n, n̄) ³⁰ Si cross section at the CERN n_TOF facility in the energy region from 10 to 300 keV. <i>Physical Review C</i> , 2018 , 97,	2.7	4
258	Measurement of the radiative capture cross section of the s-process branching points ²⁰⁴ Tl and ¹⁷¹ Tm at the n_TOF facility (CERN). <i>EPJ Web of Conferences</i> , 2018 , 178, 03004	0.3	1
257	First Measurement of ⁷² Ge(n, n̄) at n_TOF. <i>EPJ Web of Conferences</i> , 2018 , 184, 02005	0.3	

256	Measurement and analysis of the Am241 neutron capture cross section at the n_TOF facility at CERN. <i>Physical Review C</i> , 2018 , 97,	2.7	6
255	Dosimetry assessment of DNA damage by Auger-emitting radionuclides: Experimental and Monte Carlo studies. <i>Radiation Physics and Chemistry</i> , 2017 , 140, 278-282	2.5	3
254	Entrance surface dose distribution and organ dose assessment for cone-beam computed tomography using measurements and Monte Carlo simulations with voxel phantoms. <i>Radiation Physics and Chemistry</i> , 2017 , 140, 428-434	2.5	1
253	Evaluation of Acridine Orange Derivatives as DNA-Targeted Radiopharmaceuticals for Auger Therapy: Influence of the Radionuclide and Distance to DNA. <i>Scientific Reports</i> , 2017 , 7, 42544	4.9	37
252	Neutron spectroscopy of 26Mg states: Constraining the stellar neutron source $^{22}\text{Ne}(\text{n},\text{p})^{25}\text{Mg}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 768, 1-6	4.2	21
251	Influence of X-ray scatter radiation on image quality in Digital Breast Tomosynthesis (DBT). <i>Radiation Physics and Chemistry</i> , 2017 , 140, 300-304	2.5	0
250	Neutron capture cross section measurement of U238 at the CERN n_TOF facility in the energy region from 1 eV to 700 keV. <i>Physical Review C</i> , 2017 , 95,	2.7	10
249	High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERN. <i>European Physical Journal A</i> , 2017 , 53, 1	2.5	30
248	Monte carlo simulations of the n_TOF lead spallation target with the Geant4 toolkit: A benchmark study. <i>EPJ Web of Conferences</i> , 2017 , 146, 03030	0.3	
247	The ^{236}U neutron capture cross-section measured at the n_TOF CERN facility. <i>EPJ Web of Conferences</i> , 2017 , 146, 11054	0.3	0
246	Characterization of the n_TOF EAR-2 neutron beam. <i>EPJ Web of Conferences</i> , 2017 , 146, 03020	0.3	1
245	High accuracy $^{234}\text{U}(\text{n},\text{f})$ cross section in the resonance energy region. <i>EPJ Web of Conferences</i> , 2017 , 146, 04057	0.3	1
244	The measurement programme at the neutron time-of-flight facility n_TOF at CERN. <i>EPJ Web of Conferences</i> , 2017 , 146, 11002	0.3	1
243	New measurement of the $^{242}\text{Pu}(\text{n},\text{p})$ cross section at n_TOF-EAR1 for MOX fuels: Preliminary results in the RRR. <i>EPJ Web of Conferences</i> , 2017 , 146, 11045	0.3	1
242	The n_TOF facility: Neutron beams for challenging future measurements at CERN. <i>EPJ Web of Conferences</i> , 2017 , 146, 03001	0.3	1
241	Dissemination of data measured at the CERN n_TOF facility. <i>EPJ Web of Conferences</i> , 2017 , 146, 07002	0.3	2
240	High precision measurement of the radiative capture cross section of ^{238}U at the n_TOF CERN facility. <i>EPJ Web of Conferences</i> , 2017 , 146, 11028	0.3	
239	Time-of-flight and activation experiments on ^{147}Pm and ^{171}Tm for astrophysics. <i>EPJ Web of Conferences</i> , 2017 , 146, 01007	0.3	

238	The $^{33}\text{S}(n,\text{p})^{30}\text{Si}$ cross section measurement at n_TOF-EAR2 (CERN): From 0.01 eV to the resonance region. <i>EPJ Web of Conferences</i> , 2017 , 146, 08004	0.3	1
237	Measurement of the $^{240}\text{Pu}(n,\text{f})$ cross-section at the CERN n_TOF facility: First results from experimental area II (EAR-2). <i>EPJ Web of Conferences</i> , 2017 , 146, 04030	0.3	6
236	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. <i>EPJ Web of Conferences</i> , 2017 , 146, 11021	0.3	7
235	Measurement of the ^{241}Am neutron capture cross section at the n_TOF facility at CERN. <i>EPJ Web of Conferences</i> , 2017 , 146, 11022	0.3	1
234	Measurement of the $^{238}\text{U}(n,\gamma)$ cross section up to 80 keV with the Total Absorption Calorimeter at the CERN n_TOF facility. <i>Physical Review C</i> , 2017 , 96,	2.7	7
233	RENEB - Running the European Network of biological dosimetry and physical retrospective dosimetry. <i>International Journal of Radiation Biology</i> , 2017 , 93, 2-14	2.9	43
232	Capabilities of the RENEB network for research and large scale radiological and nuclear emergency situations. <i>International Journal of Radiation Biology</i> , 2017 , 93, 136-141	2.9	7
231	The Nuclear Astrophysics program at n_TOF (CERN). <i>EPJ Web of Conferences</i> , 2017 , 165, 01014	0.3	
230	$^7\text{Be}(n,\text{p})$ and $^7\text{Be}(n,\text{d})$ cross-section measurement for the cosmological lithium problem at the n_TOF facility at CERN. <i>EPJ Web of Conferences</i> , 2017 , 146, 01012	0.3	1
229	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. <i>Radiation Protection Dosimetry</i> , 2017 , 174, 121-135	0.9	
228	Neutron-induced fission cross section of Np^{237} in the keV to MeV range at the CERN n_TOF facility. <i>Physical Review C</i> , 2016 , 93,	2.7	11
227	Fission Fragment Angular Distribution measurements of ^{235}U and ^{238}U at CERN n_TOF facility. <i>EPJ Web of Conferences</i> , 2016 , 111, 10002	0.3	12
226	Integral measurement of the $^{12}\text{C}(n, \text{p})^{12}\text{B}$ reaction up to 10 GeV. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	9
225	Response of the REWARD detection system to the presence of a Radiological Dispersal Device. <i>Radiation Measurements</i> , 2016 , 88, 20-32	1.5	1
224	Experimental setup and procedure for the measurement of the $^7\text{Be}(n,\text{p})^6\text{He}$ reaction at n_TOF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 830, 197-205	1.2	17
223	Nuclear Data for the Thorium Fuel Cycle and the Transmutation of Nuclear Waste 2016 , 207-214		
222	The CERN n_TOF facility: a unique tool for nuclear data measurement. <i>EPJ Web of Conferences</i> , 2016 , 122, 05001	0.3	3
221	Overview of the PREPARE WP3: management of contaminated goods in post-accidental situation [Synthesis of European stakeholders' panels. <i>Radioprotection</i> , 2016 , 51, S83-S91	1.1	12

220	Towards the high-accuracy determination of the ^{238}U fission cross section at the threshold region at CERN n_TOF. <i>EPJ Web of Conferences</i> , 2016 , 111, 02002	0.3	2
219	High accuracy $^{235}\text{U}(n,f)$ data in the resonance energy region. <i>EPJ Web of Conferences</i> , 2016 , 111, 02003	0.3	6
218	Experiments with neutron beams for the astrophysical process. <i>Journal of Physics: Conference Series</i> , 2016 , 665, 012020	0.3	1
217	Nuclear data activities at the n_TOF facility at CERN. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	23
216	Cancer risk estimation in Digital Breast Tomosynthesis using GEANT4 Monte Carlo simulations and voxel phantoms. <i>Physica Medica</i> , 2016 , 32, 717-23	2.7	10
215	$^7\text{Be}(n,n^{\prime})^4\text{He}$ Reaction and the Cosmological Lithium Problem: Measurement of the Cross Section in a Wide Energy Range at n_TOF at CERN. <i>Physical Review Letters</i> , 2016 , 117, 152701	7.4	65
214	Assessment of patient dose reduction by bismuth shielding in CT using measurements, GEANT4 and MCNPX simulations. <i>Radiation Protection Dosimetry</i> , 2015 , 165, 175-81	0.9	11
213	Paediatric CT exposures: comparison between CTDI vol and SSDE methods using measurements and Monte Carlo simulations. <i>Radiation Protection Dosimetry</i> , 2015 , 165, 210-5	0.9	5
212	Determination of backscatter factors in breast tomosynthesis using MCNPX simulations and measurements. <i>Radiation Protection Dosimetry</i> , 2015 , 165, 325-30	0.9	2
211	High-accuracy determination of the $^{238}\text{U}/^{235}\text{U}$ fission cross section ratio up to 1 GeV at n_TOF at CERN. <i>Physical Review C</i> , 2015 , 91,	2.7	21
210	A dosimetric study of prostate brachytherapy using Monte Carlo simulations with a voxel phantom, measurements and a comparison with a treatment planning procedure. <i>Radiation Protection Dosimetry</i> , 2015 , 165, 482-7	0.9	3
209	Effect of the glandular composition on digital breast tomosynthesis image quality and dose optimisation. <i>Radiation Protection Dosimetry</i> , 2015 , 165, 337-41	0.9	1
208	Assessment of the occupational exposure in real time during interventional cardiology procedures. <i>Radiation Protection Dosimetry</i> , 2015 , 165, 304-9	0.9	5
207	The new vertical neutron beam line at the CERN n_TOF facility design and outlook on the performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015 , 799, 90-98	1.2	64
206	Experimental neutron capture data of ^{58}Ni from the CERN n_TOF facility. <i>EPJ Web of Conferences</i> , 2015 , 93, 02009	0.3	
205	Radiological protection, safety and security issues in the industrial and medical applications of radiation sources. <i>Radiation Physics and Chemistry</i> , 2015 , 116, 48-55	2.5	14
204	Dosimetric characterization and organ dose assessment in digital breast tomosynthesis: Measurements and Monte Carlo simulations using voxel phantoms. <i>Medical Physics</i> , 2015 , 42, 3788-800	4.4	12
203	Realising the European network of biodosimetry: RENEB-status quo. <i>Radiation Protection Dosimetry</i> , 2015 , 164, 42-5	0.9	33

202	Estimation of the collective ionizing dose in the Portuguese population for the years 2011 and 2012, due to nuclear medicine exams. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , 2015 , 34, 1-8	0.4	1
201	Estimation of the collective ionizing dose in the Portuguese population for the years 2011 and 2012, due to nuclear medicine exams. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , 2015 , 34, 1-8	0.1	
200	Radiation protection and dosimetry issues in the medical applications of ionizing radiation. <i>Radiation Physics and Chemistry</i> , 2014 , 104, 23-30	2.5	4
199	Optimal photon energy comparison between digital breast tomosynthesis and mammography: a case study. <i>Physica Medica</i> , 2014 , 30, 482-8	2.7	16
198	Measurement and analysis of the Am241 (n, γ) cross section with liquid scintillator detectors using time-of-flight spectroscopy at the n_TOF facility at CERN. <i>Physical Review C</i> , 2014 , 89,	2.7	20
197	Neutron-induced fission cross section of U234 measured at the CERN n_TOF facility. <i>Physical Review C</i> , 2014 , 89,	2.7	13
196	Measurement of the angular distribution of fission fragments using a PPAC assembly at CERN n_TOF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 743, 79-85	1.2	24
195	Evaluation of the radiation field and shielding assessment of the experimental area of HIE-ISOLDE. <i>Radiation Protection Dosimetry</i> , 2014 , 161, 347-51	0.9	
194	Measurement and analysis of the Am243 neutron capture cross section at the n_TOF facility at CERN. <i>Physical Review C</i> , 2014 , 90,	2.7	24
193	Tissue composition and density impact on the clinical parameters for (125)I prostate implants dosimetry. <i>Physica Medica</i> , 2014 , 30, 799-808	2.7	0
192	Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical s-process. <i>Nuclear Data Sheets</i> , 2014 , 120, 201-204	5.4	2
191	The (n, γ) Reaction in the s-process Branching Point 59Ni. <i>Nuclear Data Sheets</i> , 2014 , 120, 208-210	5.4	9
190	Comparison of unfolding codes for neutron spectrometry with Bonner spheres. <i>Radiation Protection Dosimetry</i> , 2014 , 161, 46-52	0.9	20
189	Assessment of the dose distribution inside a cardiac cath lab using TLD measurements and Monte Carlo simulations. <i>Radiation Physics and Chemistry</i> , 2014 , 104, 163-169	2.5	7
188	GEANT4 simulation of the neutron background of the C6D6 set-up for capture studies at n_TOF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 760, 57-67	1.2	23
187	Comparison of different breast planning techniques and algorithms for radiation therapy treatment. <i>Physica Medica</i> , 2014 , 30, 160-70	2.7	10
186	The nucleosynthesis of heavy elements in Stars: the key isotope 25Mg. <i>EPJ Web of Conferences</i> , 2014 , 66, 07016	0.3	1
185	Measurements of neutron cross sections for advanced nuclear energy systems at n_TOF (CERN). <i>EPJ Web of Conferences</i> , 2014 , 66, 10001	0.3	2

184	Neutron cross-sections for advanced nuclear systems: the n_TOF project at CERN. <i>EPJ Web of Conferences</i> , 2014 , 79, 01003	0.3	
183	$^{238}\text{U}(n,\gamma)$ reaction cross section measurement with C6D6 detectors at the n_TOF CERN facility.. <i>EPJ Web of Conferences</i> , 2014 , 66, 03061	0.3	1
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12	Search for scalar quarks in Z ⁰ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 247, 148-156	4.2	22
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