

Roberto Capote Noy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3257096/publications.pdf>

Version: 2024-02-01

242
papers

10,468
citations

87723

38
h-index

35952

97
g-index

258
all docs

258
docs citations

258
times ranked

4639
citing authors

#	ARTICLE	IF	CITATIONS
1	Upgrade of recommended nuclear cross section data base for production of therapeutic radionuclides. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1163-1206.	0.7	10
2	Upgrade of IAEA recommended data of selected nuclear reactions for production of PET and SPECT isotopes. Nuclear Data Sheets, 2021, 173, 285-308.	0.7	9
3	Conception and Software Implementation of a Nuclear Data Evaluation Pipeline. Nuclear Data Sheets, 2021, 173, 239-284.	0.7	11
4	Newly Evaluated Neutron Reaction Data on Chromium Isotopes. Nuclear Data Sheets, 2021, 173, 1-41.	0.7	6
5	Nucleon scattering analysis with a lane-consistent dispersive optical potential for Hf, W and Ta isotopes. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 075101.	1.4	1
6	Modeling photon-induced reactions on ^{233}U and ^{238}U actinide targets. Physical Review C, 2021, 103, .	1.1	9
7	An impact of Jacques Raynal on nuclear data evaluation. European Physical Journal A, 2021, 57, 1.	1.0	1
8	Infrastructure for the new paradigm of nuclear reaction evaluation. Annals of Nuclear Energy, 2021, 163, 108494.	0.9	4
9	Measurement of $^{238}\text{U}(n,\gamma)^{239}\text{Pu}$ ratio and cross section of ^{238}U HPRL – International cooperation to identify and monitor priority nuclear data needs for nuclear applications. EPJ Web of Conferences, 2020, 239, 15005.	1.1	17
10	Modeling Compound Nuclear Reactions with EMPIRE. Springer Proceedings in Physics, 2021, , 17-25.	0.1	0
11	Measurement of the $^{238}\text{U}(n,\gamma)^{239}\text{Pu}$ ratio and cross section of ^{238}U		
12	HPRL – International cooperation to identify and monitor priority nuclear data needs for nuclear applications. EPJ Web of Conferences, 2020, 239, 15005.	0.1	15
13	Dispersive optical model description of nucleon scattering on Pb and Bi isotopes. Physical Review C, 2020, 101, .	1.1	5
14	IAEA Photonuclear Data Library 2019. Nuclear Data Sheets, 2020, 163, 109-162.	0.7	85
15	Applying a Template of Expected Uncertainties to Updating $^{239}\text{Pu}(n,f)$ Cross-section Covariances in the Neutron Data Standards Database. Nuclear Data Sheets, 2020, 163, 228-248.	0.7	21
16	Unrecognized Sources of Uncertainties (USU) in Experimental Nuclear Data. Nuclear Data Sheets, 2020, 163, 191-227.	0.7	23
17	Evaluation of the Prompt Fission Gamma Properties for Neutron Induced Fission of ^{235}U , ^{238}U and ^{239}Pu . Nuclear Data Sheets, 2020, 163, 261-279.	0.7	13
18	IRDF-II: A New Neutron Metrology Library. Nuclear Data Sheets, 2020, 163, 1-108.	0.7	100

#	ARTICLE	IF	CITATIONS
19	Results of the Collaborative International Evaluated Library Organisation (CIELO) Project. EPJ Web of Conferences, 2020, 239, 15003.	0.1	3
20	The role of nucleon knockout in pre-equilibrium reactions. Journal of Physics: Conference Series, 2019, 1291, 012009.	0.3	0
21	Recommended Nuclear Data for the Production of Selected Therapeutic Radionuclides. Nuclear Data Sheets, 2019, 155, 56-74.	0.7	27
22	Analysis of neutron bound states of ^{208}Pb by a dispersive optical model potential. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 055103.	1.4	4
23	Recommended nuclear data for medical radioisotope production: diagnostic positron emitters. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 533-666.	0.7	49
24	Quasiparticle nature of excited states in random-phase approximation. Physical Review C, 2019, 99, .	1.1	3
25	Recommended nuclear data for medical radioisotope production: diagnostic gamma emitters. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 487-531.	0.7	39
26	IAEA CIELO Evaluation of Neutron-induced Reactions on ^{235}U and ^{238}U Targets. Nuclear Data Sheets, 2018, 148, 254-292.	0.7	33
27	Giant dipole resonance parameters of ground-state photoabsorption: Experimental values with uncertainties. Atomic Data and Nuclear Data Tables, 2018, 123-124, 1-85.	0.9	39
28	ENDF/B-VIII.0: The 8 th Major Release of the Nuclear Reaction Data Library with CIELO-project Cross Sections, New Standards and Thermal Scattering Data. Nuclear Data Sheets, 2018, 148, 1-142.	0.7	1,324
29	CIELO Collaboration Summary Results: International Evaluations of Neutron Reactions on Uranium, Plutonium, Iron, Oxygen and Hydrogen. Nuclear Data Sheets, 2018, 148, 189-213.	0.7	73
30	Reference Cross Sections for Charged-particle Monitor Reactions. Nuclear Data Sheets, 2018, 148, 338-382.	0.7	165
31	Evaluation of Neutron Reactions on Iron Isotopes for CIELO and ENDF/B-VIII.0. Nuclear Data Sheets, 2018, 148, 214-253.	0.7	48
32	Template for estimating uncertainties of measured neutron-induced fission cross-sections. EPJ Nuclear Sciences & Technologies, 2018, 4, 21.	0.3	15
33	Evaluation of the Neutron Data Standards. Nuclear Data Sheets, 2018, 148, 143-188.	0.7	159
34	Assessment of Novel Techniques for Nuclear Data Evaluation. , 2018, , 105-116.		2
35	Predicting Spectrum Averaged Cross Sections in Prompt Fission Neutron Fields. , 2018, , 117-123.		0
36	Modelling Neutron-induced Reactions on ^{232}U – ^{237}U from 10 keV up to 30 MeV. Nuclear Data Sheets, 2017, 139, 138-170.	0.7	18

#	ARTICLE	IF	CITATIONS
37	Evaluation of cross sections for neutron interactions with ^{238}U in the energy region between 5 keV and 150 keV. <i>European Physical Journal A</i> , 2017, 53, 1.	1.0	8
38	Cross-section measurements for the $^{56}\text{Fe}(n,n^{\hat{3}})^{56}\text{Fe}$ and $^{56}\text{Fe}(n,2n^{\hat{3}})^{55}\text{Fe}$ reactions. <i>Physical Review C</i> , 2017, 96, .	1.1	10
39	The CIELO collaboration: Progress in international evaluations of neutron reactions on Oxygen, Iron, Uranium and Plutonium. <i>EPJ Web of Conferences</i> , 2017, 146, 02001.	0.1	5
40	Predicting the optical observables for nucleon scattering on even-even actinides. <i>Chinese Physics C</i> , 2017, 41, 094105.	1.5	2
41	A Theoretical Study of Deuteron-induced Surrogate Reactions. <i>Journal of Physics: Conference Series</i> , 2017, 863, 012039.	0.3	0
42	Description of nucleon scattering on ^{208}Pb by a fully Lane-consistent dispersive spherical optical model potential. <i>EPJ Web of Conferences</i> , 2017, 146, 12010.	0.1	4
43	Dissemination of data measured at the CERN n_TOF facility. <i>EPJ Web of Conferences</i> , 2017, 146, 07002.	0.1	3
44	A theoretical study of deuteron-induced surrogate reactions. <i>EPJ Web of Conferences</i> , 2017, 146, 12001.	0.1	2
45	A new evaluation of the neutron data standards. <i>EPJ Web of Conferences</i> , 2017, 146, 02025.	0.1	4
46	Generation of ^{238}U Covariance Matrices by Using the Integral Data Assimilation Technique of the CONRAD Code. <i>EPJ Web of Conferences</i> , 2016, 106, 04015.	0.1	7
47	New ^{56}Fe Evaluation for the CIELO project. <i>EPJ Web of Conferences</i> , 2016, 111, 03001.	0.1	2
48	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.	0.1	2
49	High accuracy $^{235}\text{U}(n,f)$ data in the resonance energy region. <i>EPJ Web of Conferences</i> , 2016, 111, 02003.	0.1	7
50	Toward a New Evaluation of Neutron Standards. <i>EPJ Web of Conferences</i> , 2016, 106, 04002.	0.1	4
51	Nucleon scattering on actinides using a dispersive optical model with extended couplings. <i>Physical Review C</i> , 2016, 94, .	1.1	30
52	Neutron capture cross section measurements for ^{238}U in the resonance region at GELINA. <i>European Physical Journal A</i> , 2016, 52, 1.	1.0	22
53	Statistical Hauser-Feshbach theory with width-fluctuation correction including direct reaction channels for neutron-induced reactions at low energies. <i>Physical Review C</i> , 2016, 94, .	1.1	62
54	Scission neutrons for U, Pu, Cm, and Cf isotopes: Relative multiplicities calculated in the sudden limit. <i>Physical Review C</i> , 2016, 93, .	1.1	18

#	ARTICLE	IF	CITATIONS
55	Extended optical model for fission. <i>Physical Review C</i> , 2016, 93, .	1.1	22
56	Neutron-induced fission cross section of ^{237}Np in the keV to MeV range at the CERN n_TOF facility. <i>Physical Review C</i> , 2016, 93, .	1.1	11
57	Inclusive Proton Emission Spectra from Deuteron Breakup Reactions. <i>Few-Body Systems</i> , 2016, 57, 307-314.	0.7	57
58	Prompt Fission Neutron Spectra of Actinides. <i>Nuclear Data Sheets</i> , 2016, 131, 1-106.	0.7	127
59	Prompt fission neutron spectra in fast-neutron-induced fission of ^{238}U . <i>Physical Review C</i> , 2015, 92, .	1.1	14
60	Improved data evaluation methodology for energy ranges with missing experimental data. <i>Kerntechnik</i> , 2015, 80, 194-200.	0.2	2
61	Impact of the Normalization Condition and Model Information on Evaluated Prompt Fission Neutron Spectra and Associated Uncertainties. <i>Nuclear Science and Engineering</i> , 2015, 179, 381-397.	0.5	13
62	Preliminary Evaluation and Uncertainty Quantification of the Prompt Fission Neutron Spectrum of ^{239}Pu . <i>Nuclear Data Sheets</i> , 2015, 123, 146-152.	0.7	8
63	Current Issues in Nuclear Data Evaluation Methodology: ^{235}U Prompt Fission Neutron Spectra and Multiplicity for Thermal Neutrons. <i>Nuclear Data Sheets</i> , 2015, 123, 8-15.	0.7	29
64	Random Sampling of Correlated Parameters – a Consistent Solution for Unfavourable Conditions. <i>Nuclear Data Sheets</i> , 2015, 123, 185-190.	0.7	4
65	Recent Work Leading Towards a New Evaluation of the Neutron Standards. <i>Nuclear Data Sheets</i> , 2015, 123, 27-35.	0.7	11
66	Evaluation of the ^{239}Pu prompt fission neutron spectrum induced by neutrons of 500 keV and associated covariances. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 791, 80-92.	0.7	11
67	Evaluation of the Prompt Fission Neutron Spectrum of Thermal-neutron Induced Fission in ^{235}U . <i>Physics Procedia</i> , 2015, 64, 48-54.	1.2	28
68	High-accuracy determination of the ^{238}U prompt fission neutron spectrum induced by neutrons of 500 keV and associated covariances. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 791, 80-92.	1.1	24
69	Uncertainties of mass extrapolations in Hartree-Fock-Bogoliubov mass models. <i>Physical Review C</i> , 2014, 89, .	1.1	55
70	Neutron-induced fission cross section of ^{234}U measured at the CERN n_TOF facility. <i>Physical Review C</i> , 2014, 89, .	1.1	14
71	Measurement and analysis of the ^{243}Am prompt fission neutron spectrum induced by neutrons of 500 keV and associated covariances. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 761, 10-19.	1.1	26
72	Measurement of the MACS of $^{159}\text{Tb}(n, \bar{1})$ at keV by Activation. <i>Nuclear Data Sheets</i> , 2014, 120, 205-207.	0.7	15

#	ARTICLE	IF	CITATIONS
73	Nuclear Data for Medical Applications – Recent Developments and Future Requirements. Nuclear Data Sheets, 2014, 120, 239-241.	0.7	11
74	EMPIRE: A Reaction Model Code for Nuclear Astrophysics. Nuclear Data Sheets, 2014, 120, 180-183.	0.7	0
75	Quasi-differential neutron scattering from ²³⁸ U from 0.5 to 20 MeV. Annals of Nuclear Energy, 2014, 73, 455-464.	0.9	21
76	Elastic and inelastic scattering of neutrons on ²³⁸ U nucleus. EPJ Web of Conferences, 2014, 69, 00008.	0.1	14
77	Impact of model defect and experimental uncertainties on evaluated output. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 723, 163-172.	0.7	23
78	Results of total cross section measurements for ¹⁹⁷ Au in the neutron energy region from 4 to 108 keV at GELINA. European Physical Journal A, 2013, 49, 1.	1.0	24
79	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.	1.0	9
80	Measurement of the MACS of ⁹³ Zr at kT=30keV as a test of a method for Maxwellian neutron spectra generation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 727, 1-6.	0.7	18
81	Dispersive coupled-channels optical-model potential with soft-rotator couplings for Cr, Fe, and Ni isotopes. Physical Review C, 2013, 87, .	1.1	16
82	The ${}^{93}\text{Zr}(n, \gamma){}^{94}\text{Zr}$ reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, .	1.1	39
83	Measurement and modeling of the cross sections for the reaction ${}^{93}\text{Zr}(n, \gamma){}^{94}\text{Zr}$ reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, .		

#	ARTICLE	IF	CITATIONS
91	Neutron-induced fission cross section measurement of ^{233}U , ^{241}Am and ^{243}Am in the energy range 0.5 MeV $\leq E < 20$ MeV at n_TOF at CERN. Physica Scripta, 2012, T150, 014005.		2
92	Estimation of neutron-equivalent dose in organs of patients undergoing radiotherapy by the use of a novel online digital detector. Physics in Medicine and Biology, 2012, 57, 6167-6191.	1.6	52
93	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	1.1	55
94	Interaction of two successive Alpine deformation fronts: constraints from low-temperature thermochronology and structural mapping (NW Iberian Peninsula). International Journal of Earth Sciences, 2012, 101, 1331-1342.	0.9	34
95	Status of the LEgnaRo NeutrOn Source facility (LENOS). Physics Procedia, 2012, 26, 261-273.	1.2	7
96	New Work on Updating and Extending the Nuclear Data Standards. Journal of ASTM International, 2012, 9, 1-14.	0.2	6
97	New Work on Updating and Extending the Nuclear Data Standards. , 2012, , 141-160.		0
98	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.3	0
99	ENDF/B-VII.1 Nuclear Data for Science and Technology: Cross Sections, Covariances, Fission Product Yields and Decay Data. Nuclear Data Sheets, 2011, 112, 2887-2996.	0.7	2,100
100	Covariances of Evaluated Nuclear Cross Section Data for ^{232}Th , ^{180}W , ^{182}W , ^{183}W , ^{184}W , ^{186}W and ^{55}Mn . Nuclear Data Sheets, 2011, 112, 3098-3119.	0.7	19
101	Neutron-induced fission cross-section of ^{233}U in the energy range 0.5 < E < 20 MeV. European Physical Journal A, 2011, 47, 1.	1.0	15
102	Measurement of the neutron-induced fission cross-section of ^{243}Am relative to ^{235}U from 0.5 to 20 MeV. European Physical Journal A, 2011, 47, 1.	1.0	11
103	Giant dipole resonance parameters with uncertainties from photonuclear cross sections. Atomic Data and Nuclear Data Tables, 2011, 97, 567-585.	0.9	39
104	Nuclear data evaluation of ^{55}Mn by the EMPIRE code with emphasis on the capture cross-section. Nuclear Engineering and Design, 2011, 241, 1071-1077.	0.8	2
105	The $^{237}\text{Np}(n,f)$ cross section at the CERN n-TOF facility. , 2011, , .		1
106	$\frac{\sigma_{\text{fission}}}{\sigma_{\text{total}}} = \frac{\sigma_{\text{fission}}}{\sigma_{\text{fission}} + \sigma_{\text{capture}} + \sigma_{\text{scattering}}}$ Zr(σ_{fission}) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.1	17
107	^P Towards an improved evaluation of neutron-induced fission cross sections on actinides. Physical Review C, 2011, 83, .	1.1	22
108	Neutron capture on ^{94}Zr Resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, .	1.1	24

#	ARTICLE	IF	CITATIONS
109	$\sigma_{\text{nat}}^{235\text{U}(n,f)}$	1.1	36
110	Measurement of the $^{236}\text{U}(n,f)$ cross section from 170 meV to 2 MeV at the CERN n_TOF facility. Physical Review C, 2011, 84, .	1.1	14
111	$\sigma_{\text{Au}}^{197\text{Tm}(n,f)}$	1.1	14
112	Data evaluation methods and improvements to the neutron-capture β -ray spectrum. , 2011, , .		0
113	$^{235}\text{U}(n, f)$, $^{233}\text{U}(n, f)$ and $^{239}\text{Pu}(n, f)$ Prompt Fission Neutron Spectra. Journal of the Korean Physical Society, 2011, 59, 1337-1342.	0.3	16
114	Study of Photon Strength Function of Actinides: the Case of ^{235}U , ^{238}Np and ^{241}Pu . Journal of the Korean Physical Society, 2011, 59, 1510-1513.	0.3	9
115	Renewed Database of GDR Parameters for Atomic Nuclei. Journal of the Korean Physical Society, 2011, 59, 1514-1517.	0.3	3
116	Neutron Capture Measurements on Minor Actinides at the n_TOF Facility at CERN: Past, Present and Future. Journal of the Korean Physical Society, 2011, 59, 1809-1812.	0.3	2
117	$^{237}\text{Np}(n,f)$ Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.3	2
118	Fission Cross-section Measurements of ^{233}U , ^{245}Cm and ^{241}Am ; ^{243}Am at CERN n_TOF Facility. Journal of the Korean Physical Society, 2011, 59, 1912-1915.	0.3	3
119	Towards Improved Evaluation of Neutron-Induced Fission Cross Section. Journal of the Korean Physical Society, 2011, 59, 979-982.	0.3	3
120	High-energy Neutron-induced Fission Cross Sections of Natural Lead and Bismuth-209. Journal of the Korean Physical Society, 2011, 59, 1904-1907.	0.3	0
121	On the Effects of Correlations in Evaluated Nuclear Data on the Uncertainties in Integral Parameters. Journal of the Korean Physical Society, 2011, 59, 1213-1217.	0.3	0
122	Spectrum of prompt fission neutrons from $^{235}\text{U}(n, F)$. Atomic Energy, 2010, 108, 432-443.	0.1	6
123	Neutron cross-sections for next generation reactors: New data from n_TOF. Applied Radiation and Isotopes, 2010, 68, 643-646.	0.7	7
124	Measurements of high-energy neutron-induced fission of ^{208}Pb and ^{209}Bi . EPJ Web of Conferences, 2010, 8, 07009.	0.1	2
125	Nuclear data evaluation methodology including estimates of covariances. EPJ Web of Conferences, 2010, 8, 04001.	0.1	43
126	Combinatorial level densities for practical applications. EPJ Web of Conferences, 2010, 2, 04005.	0.1	1

#	ARTICLE	physics of the Re/Os clock. III. Resonance analyses and stellar	($\langle \text{mml:math} \rangle$ Tj ETQq1 1 0.784314 rgBT /O IFlock 10	CITATIONS
127	cross sections of	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Os} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle$	1.1	36
128		$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle$	1.1	55
129	Neutron physics of the Re/Os clock. I. Measurement of the	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Zr} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle$	1.1	33
130	cross sections of	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Os} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle$	1.1	28
131	Description of analyzing power and (p,n) reaction by a global dispersive coupled-channel optical model potential. , 2010, , .			0
132	ASTROPHYSICS AT n _l ±TOF FACILITY. , 2010, , .			0
133	Study of Neutron-Induced Fission Cross Sections of U, Am, and Cm at n _l ±TOF. , 2010, , .			0
134	Neutron-induced fission cross section of	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{U} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle$	1.1	72
135	Towards predictions of neutron-induced fission cross section. , 2009, , .			0
136	Cross sections of the reaction	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Pa} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle$	1.1	21
137	Towards a prediction of fission cross sections on the basis of microscopic nuclear inputs. Physical Review C, 2009, 79, .		1.1	108
138	High-accuracyU ²³³ (n,f)cross-section measurement at the white-neutron source n _l -TOF from near-thermal to1MeV neutron energy. Physical Review C, 2009, 80, .		1.1	30
139	The determination of beam quality correction factors: Monte Carlo simulations and measurements. Physics in Medicine and Biology, 2009, 54, 4723-4741.		1.6	24
140	The n _l -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.		0.7	80
141	Evaluation and use of the prompt fission neutron spectrum and spectra covariance matrices in criticality and shielding. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 540-552.		0.7	22
142	R1PL â€“ Reference Input Parameter Library for Calculation of Nuclear Reactions and Nuclear Data Evaluations. Nuclear Data Sheets, 2009, 110, 3107-3214.		0.7	1,119
143	Fission cross-section measurements on [²³³ U and minor actinides at the CERN n _l ±TOF facility. , 2009, , .			0
144	Development of Covariance Capabilities in EMPIRE Code. Nuclear Data Sheets, 2008, 109, 2752-2761.		0.7	16

#	ARTICLE	IF	CITATIONS
145	Evaluation of Tungsten Nuclear Reaction Data with Covariances. Nuclear Data Sheets, 2008, 109, 2905-2909.	0.7	21
146	An ENDF-6 compatible evaluation for neutron induced reactions of ^{232}Th in the unresolved resonance region. Annals of Nuclear Energy, 2008, 35, 1223-1231.	0.9	26
147	Covariances of Prompt Fission Neutron Spectra. Nuclear Data Sheets, 2008, 109, 2840-2845.	0.7	7
148	A Global Dispersive Coupled-Channel Optical Model Potential for Actinides. Journal of Nuclear Science and Technology, 2008, 45, 333-340.	0.7	38
149	A new formalism for reference dosimetry of small and nonstandard fields. Medical Physics, 2008, 35, 5179-5186.	1.6	462
150	Recent Results at n_{\pm} TOF and Future Perspectives. AIP Conference Proceedings, 2008, , .	0.3	0
151	Nuclear physics for the Re/Os clock. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014015.	1.4	8
152	The measurement of the $^{206}\text{Pb}(n, \hat{1}^3)$ cross section and stellar implications. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014020.	1.4	11
153	Experimental study of the $^{90}\text{Zr}(n, \hat{1}^3)$ cross section and its astrophysical implications. $\frac{\sigma_{\text{exp}}}{\sigma_{\text{th}}} = \frac{1.1 \pm 0.1}{1.0 \pm 0.1} \approx 1.1$		
154	Transmission through multi-humped fission barriers with absorption: A recursive approach. Physical Review C, 2008, 77, .	1.1	26
155	Bottleneck in the $^{90}\text{Zr}(n, \hat{1}^3)$ cross section and its astrophysical implications. $\frac{\sigma_{\text{exp}}}{\sigma_{\text{th}}} = \frac{1.1 \pm 0.1}{1.0 \pm 0.1} \approx 1.1$	1.1	44
156	Deformation-dependent Tamura-Udagawa-Lenske multistep direct model. Physical Review C, 2008, 78, .	1.1	7
157	A Global Dispersive Coupled-Channel Optical Model Potential for Actinides. Journal of Nuclear Science and Technology, 2008, 45, 333-340.	0.7	3
158	Measurements of neutron capture cross-sections at n_{\pm} TOF. AIP Conference Proceedings, 2007, , .	0.3	0
159	Measurement of the Neutron Induced Fission Cross Section on Transuranic (TRU) Elements at the n_{\pm} TOF Facility at CERN. AIP Conference Proceedings, 2007, , .	0.3	0
160	Measurement of the radiative neutron capture cross section of ^{206}Pb and its astrophysical implications. Physical Review C, 2007, 76, .	1.1	30
161	Measurement of the neutron capture cross section of the s-only isotope ^{204}Pb from 1 eV to 440 keV. Physical Review C, 2007, 75, .	1.1	32
162	Approximate Lane consistency of the dispersive coupled-channels potential for actinides. Physical Review C, 2007, 76, .	1.1	16

#	ARTICLE	IF	CITATIONS
163	The $^{139}\text{La}(n,\hat{1}^3)$ cross section: Key for the onset of the s-process. <i>Physical Review C</i> , 2007, 75, .	1.1	24
164	Angular distributions of protons scattered by ^{40}Ar nuclei with excitation of the $2^+(1.46\text{ MeV})$ and $3\hat{2}^+(3.68\text{ MeV})$ collective levels for incident energies of 25.1, 32.5, and 40.7 MeV. <i>Physical Review C</i> , 2007, 75, .	1.1	3
165	Neutron reactions and nuclear cosmo-chronology. <i>Progress in Particle and Nuclear Physics</i> , 2007, 59, 165-173.	5.6	7
166	EMPIRE: Nuclear Reaction Model Code System for Data Evaluation. <i>Nuclear Data Sheets</i> , 2007, 108, 2655-2715.	0.7	630
167	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 261, 925-929.	0.6	35
168	New cross section measurements for neutron-induced reactions on Cr, Ni, Cu, Ta and W isotopes obtained with the activation technique. , 2007, , .		2
169	Neutron-induced fission cross section on actinides using microscopic fission energy surfaces. , 2007, , .		2
170	The neutron capture cross sections of $^{237}\text{Np}(n,\hat{1}^3)$ and $^{240}\text{Pu}(n,\hat{1}^3)$ and its relevance in the transmutation of nuclear waste. , 2007, , .		5
171	Deformation dependent TUL multi-step direct model. , 2007, , .		1
172	Evaluation of the ^{103}Rh neutron cross-section data in the unresolved resonance region for improved criticality safety. , 2007, , .		5
173	Evaluation of tungsten isotopes in the fast neutron range including cross section covariance estimation. , 2007, , .		2
174	The Global Assessment of Nuclear Data, GANDR. , 2007, , .		4
175	Simultaneous measurement of the neutron capture and fission yields of ^{233}U . , 2007, , .		5
176	IAEA coordinated research programme: nuclear data for the production of therapeutic radionuclides. , 2007, , .		2
177	Measurement of neutron induced fission of ^{235}U , ^{233}U and ^{245}Cm with the FIC detector at the CERN n_TOF facility. , 2007, , .		4
178	Extension of the nuclear reaction model code EMPIRE to actinides' nuclear data evaluation. , 2007, , .		3
179	Capture cross section measurements of ^{186}Os , ^{187}Os , ^{188}Os at n_TOF: the resolved resonance region. , 2007, , .		5
180	The ^{234}U neutron capture cross section measurement at the n_TOF facility. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
181	Lane consistency of the dispersive coupled-channel optical model potential. , 2007, , .		4
182	Neutron resonance spectroscopy at n_TOF at CERN. , 2007, , .		1
183	Measurement of the $^{90,91,92,93,94,96}\text{Zr}(n,\hat{1}^3)$ and $^{139}\text{La}(n,\hat{1}^3)$ cross sections at n_TOF. , 2007, , .		10
184	EMPIRE ultimate expansion: resonances and covariances. , 2007, , .		1
185	Improved lead and bismuth ($n,\hat{1}^3$) cross sections and their astrophysical impact. , 2007, , .		6
186	Measurement of the $^{197}\text{Au}(n,\hat{1}^3)$ cross section at n_TOF: towards a new standard. , 2007, , .		4
187	Seismic triggering in a stable continental area: The Lugo 1995â€“1997 seismic sequences (NW Spain). Journal of Geodynamics, 2006, 41, 440-449.	0.7	29
188	Measurement of $^{139}\text{La}(n,\hat{1}^3)$ Cross Section. AIP Conference Proceedings, 2006, , .	0.3	0
189	Measurement of the resonance capture cross section of $^{204,206}\text{Pb}$ and termination of the s-process. AIP Conference Proceedings, 2006, , .	0.3	0
190	Neutron Capture Cross Section Measurements at n_TOF of ^{237}Np , ^{240}Pu and ^{243}Am for the Transmutation of Nuclear Waste. AIP Conference Proceedings, 2006, , .	0.3	3
191	Neutron cross section measurements at n-TOF for ADS related studies. Journal of Physics: Conference Series, 2006, 41, 352-360.	0.3	2
192	Monte Carlo correction factors for a Farmer 0.6 cm ³ ion chamber dose measurement in the build-up region of the 6 MV clinical beam. Physics in Medicine and Biology, 2006, 51, 1523-1532.	1.6	21
193	Measurement of the $^{151}\text{Sm}(n,\hat{1}^3)$ 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, .	1.1	36
194	New measurement of neutron capture resonances in ^{209}Bi . Physical Review C, 2006, 74, .	1.1	46
195	Neutron capture cross section of ^{232}Th measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. Physical Review C, 2006, 73, .	1.1	41
196	Resonance capture cross section of ^{207}Pb . Physical Review C, 2006, 74, .	1.1	32
197	Fission of light actinides: $^{232}\text{Th}(n,f)$ and $^{231}\text{Pa}(n,f)$ reactions. Physical Review C, 2006, 74, .	1.1	70
198	NUCLEAR DATABASES FOR ENERGY APPLICATIONS: AN IAEA PERSPECTIVE. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
199	Measurement of the $^{151}\text{Sm}(n,\hat{1}^3)^{152}\text{Sm}$ cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	0.6	7
200	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	0.6	7
201	Measurements of the $^{90,91,92,94,96}\text{Zr}(n, \hat{1}^3)$ cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	0.6	2
202	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.	0.7	84
203	Recent Developments of the Nuclear Reaction Model Code EMPIRE. AIP Conference Proceedings, 2005, , .	0.3	19
204	Improvement of the Fission Channel in the EMPIRE Code. AIP Conference Proceedings, 2005, , .	0.3	1
205	Neutron Capture Cross Sections for the Re/Os Clock. AIP Conference Proceedings, 2005, , .	0.3	1
206	New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. AIP Conference Proceedings, 2005, , .	0.3	0
207	Measurements at n_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation. AIP Conference Proceedings, 2005, , .	0.3	3
208	Is a global coupled-channel dispersive optical model potential for actinides feasible?. Physical Review C, 2005, 72, .	1.1	37
209	Dispersive coupled-channel analysis of nucleon scattering from Th232 up to 200 MeV. Physical Review C, 2005, 72, .	1.1	56
210	Level densities of transitional Sm nuclei. Physical Review C, 2005, 71, .	1.1	13
211	252 Monte Carlo study on IMRT and Radiosurgery dosimetry performed by ionization chamber. Radiotherapy and Oncology, 2005, 76, S120.	0.3	0
212	414 Dose error contribution in film dosimetry due to interference effect using a document scanner. Radiotherapy and Oncology, 2005, 76, S182.	0.3	0
213	471 Conversion factors for reference dosimetry of 6 MV narrow photon fields using a PTW-31014 Pinpoint ion chamber. Radiotherapy and Oncology, 2005, 76, S203-S204.	0.3	0
214	Neutron Capture Cross Section Measurement of Sm151 at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	2.9	65
215	Measurement of the n_TOF beam profile with a micromegas detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 102-114.	0.7	54
216	The WinALPHA code for the analysis of alpha-particle spectra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 522-528.	0.7	21

#	ARTICLE	IF	CITATIONS
217	Time-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.	0.7	34
218	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.	0.7	101
219	An EGSnc Monte Carlo study of the microionization chamber for reference dosimetry of narrow irregular IMRT beamlets. Medical Physics, 2004, 31, 2416-2422.	1.6	80
220	A low-mass neutron flux monitor for the n_TOF facility at CERN. Brazilian Journal of Physics, 2004, 34, 914-918.	0.7	1
221	Nuclear state density calculations: An exact recursive approach. Computer Physics Communications, 2003, 150, 43-52.	3.0	4
222	Dispersion relations in the nuclear optical model. Computer Physics Communications, 2003, 153, 97-105.	3.0	23
223	Liquid chromatographic method for analysis of saponins in Maesa balansae extract active against leishmaniasis. Journal of Chromatography A, 2003, 1012, 39-46.	1.8	13
224	Ionization chamber dosimetry of small photon fields: a Monte Carlo study on stopping-power ratios for radiosurgery and IMRT beams. Physics in Medicine and Biology, 2003, 48, 2081-2099.	1.6	84
225	Analytical expressions for the dispersive contributions to the nucleon-nucleus optical potential. Physical Review C, 2003, 67, .	1.1	25
226	Decay of ^{114}Rh to ^{114}Pd . Physical Review C, 2003, 67, .	1.1	20
227	Experimental dosimetry of a ^{32}P catheter-based endovascular brachytherapy source. Physics in Medicine and Biology, 2003, 48, 2283-2296.	1.6	5
228	The wall correction factor for a spherical ionization chamber used in brachytherapy source calibration. Physics in Medicine and Biology, 2003, 48, 4091-4103.	1.6	5
229	NEUTRON CAPTURE MEASUREMENTS AT THE CERN-NTOF FACILITY FOR ADS APPLICATIONS. , 2003, , .		0
230	SHAPE TRANSITIONS IN THE INTERACTING BOSON MODEL AT FINITE TEMPERATURE. , 2003, , .		0
231	IMPROVED ACCURACY ($\langle N \rangle$, $\hat{\rho}$) MEASUREMENTS AT N_TOF. , 2003, , .		1
232	$K=3$ two-quasiparticle isomer in ^{98}Sr . Physical Review C, 2002, 65, .	1.1	34
233	Dispersive spherical optical model of neutron scattering from ^{27}Al up to 250 MeV. Physical Review C, 2002, 65, .	1.1	18
234	A standard dosimetry procedure for ^{192}Ir sources used for endovascular brachytherapy. Physics in Medicine and Biology, 2002, 47, 4205-4221.	1.6	12

#	ARTICLE	IF	CITATIONS
235	Anisotropy functions for low energy interstitial brachytherapy sources: an EGS4 Monte Carlo study. <i>Physics in Medicine and Biology</i> , 2001, 46, 135-150.	1.6	12
236	Anisotropy function for ^{192}Ir low-dose-rate brachytherapy sources: an EGS4 Monte Carlo study. <i>Physics in Medicine and Biology</i> , 2001, 46, 1487-1499.	1.6	5
237	Anisotropy functions for ^{169}Yb brachytherapy seed models 5, 8 and X1267. An EGS4 Monte Carlo study. <i>Physics in Medicine and Biology</i> , 2000, 45, 3693-3705.	1.6	5
238	Radial dose functions for ^{103}Pd , ^{125}I , ^{169}Yb and ^{192}Ir brachytherapy sources: an EGS4 Monte Carlo study. <i>Physics in Medicine and Biology</i> , 2000, 45, 703-717.	1.6	21
239	BARRIER code: Calculation of fission barriers. <i>Computer Physics Communications</i> , 1999, 120, 57-70.	3.0	33
240	Dose rate constants for ^{125}I , ^{103}Pd , ^{192}Ir and ^{169}Yb brachytherapy sources: an EGS4 Monte Carlo study. <i>Physics in Medicine and Biology</i> , 1998, 43, 1557-1566.	1.6	34
241	Single-particle calculations in an axially deformed Woods-Saxon potential with Cassinian ovals parametrization of the shape deformation. <i>Computer Physics Communications</i> , 1995, 92, 267-276.	3.0	12
242	Exact formulation of particle-hole state densities in the equidistant spacing model with pauli and pairing corrections. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1989, 334, 397-402.	0.3	1