

Sãndor Sudãr

List of Publications by Year in descending order

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52
papers

1,378
citations

279798

23
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345221

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all docs

52
docs citations

52
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of excitation functions of $^{100}\text{Mo}(p,d+pn)^{99}\text{Mo}$ and $^{100}\text{Mo}(p,2n)^{99m}\text{Tc}$ reactions: Estimation of long-lived Tc-impurity and its implication on the specific activity of cyclotron-produced ^{99m}Tc . <i>Applied Radiation and Isotopes</i> , 2014, 85, 101-113.	1.5	93
2	Isomeric cross-section ratio for the formation of ^{60}Co , ^{67}Zn in neutron, proton, deuteron, and alpha-particle induced reactions in the energy region up to 25 MeV. <i>Physical Review C</i> , 1996, 53, 2885-2892.	2.9	77
3	Cross sections for the formation of ^{69}Zn , ^{71}Zn in neutron induced reactions near their thresholds: Effect of reaction channel on the isomeric cross-section ratio. <i>Physical Review C</i> , 2003, 68, .	2.9	75
4	Measurements and nuclear model calculations on proton-induced reactions on ^{103}Rh up to 40 MeV: evaluation of the excitation function of the $^{103}\text{Rh}(p,n)^{103}\text{Pd}$ reaction relevant to the production of the therapeutic radionuclide ^{103}Pd . <i>Applied Radiation and Isotopes</i> , 2002, 56, 821-831.	1.5	72
5	Cross sections for the formation of ^{195m}gHg , ^{197m}gHg , and ^{196m}gAu in ^1H and ^3He -particle induced reactions on Pt: Effect of level density parameters on the calculated isomeric cross-section ratio. <i>Physical Review C</i> , 2006, 73, .	2.9	71
6	Excitation functions and isomeric cross section ratios of the $^{63}\text{Cu}(n,^1\text{H})^{60}\text{Co}$, $^{65}\text{Cu}(n,^1\text{H})^{62}\text{Co}$, and $^{60}\text{Ni}(n,p)^{60}\text{Co}$ processes from 6 to 15 MeV. <i>Physical Review C</i> , 1994, 49, 1525-1533.	2.9	56
7	Excitation functions of proton and deuteron induced reactions on iron and alpha-particle induced reactions on manganese in the energy region up to 25 MeV. <i>Physical Review C</i> , 1994, 50, 2408-2419.	2.9	52
8	A systematic investigation of reaction cross sections and isomer ratios for neutrons up to 20 MeV on Ni-isotopes and ^{59}Co by measurements with the activation technique and new model studies of the underlying reaction mechanisms. <i>Nuclear Physics A</i> , 2004, 730, 255-284.	1.5	50
9	Influence of reaction channel on the isomeric cross-section ratio. <i>Radiochimica Acta</i> , 2005, 93, 503-506.	1.2	44
10	Excitation Functions of Proton Induced Nuclear Reactions on Enriched ^{66}Zn , ^{67}Zn and ^{68}Zn . <i>Radiochimica Acta</i> , 1990, 50, 19-26.	1.2	43
11	Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometry. <i>Applied Radiation and Isotopes</i> , 2010, 68, 1407-1412.	1.5	40
12	Evaluation of charged particle induced reaction cross section data for production of the important therapeutic radionuclide ^{186}Re . <i>Radiochimica Acta</i> , 2010, 98, 385-395.	1.2	39
13	Charged particle induced reaction cross section data for production of the emerging medically important positron emitter ^{64}Cu : A comprehensive evaluation. <i>Radiochimica Acta</i> , 2009, 97, 669-686.	1.2	36
14	Evaluation of excitation functions of proton and deuteron induced reactions on enriched tellurium isotopes with special relevance to the production of iodine-124. <i>Applied Radiation and Isotopes</i> , 2010, 68, 1760-1773.	1.5	36
15	Nuclear data for production of the therapeutic radionuclides ^{32}P , ^{64}Cu , ^{67}Cu , ^{89}Sr , ^{90}Y and ^{153}Sm via the (n,p) reaction: Evaluation of excitation function and its validation via integral cross-section measurement using a 14 MeV $d(\text{Be})$ neutron source. <i>Applied Radiation and Isotopes</i> , 2006, 64, 717-724.	1.5	35
16	Excitation functions of ^1H -particle induced reactions on enriched ^{123}Sb and $^{\text{nat}}\text{Sb}$ for production of ^{124}I . <i>Applied Radiation and Isotopes</i> , 2011, 69, 699-704.	1.5	34
17	Measurement of (n, t) cross sections at 14 mev and calculation of excitation functions for fast neutron reactions. <i>Nuclear Physics A</i> , 1979, 319, 157-164.	1.5	32
18	Evaluation of excitation functions of ^3He - and ^1H -particle induced reactions on antimony isotopes with special relevance to the production of iodine-124. <i>Applied Radiation and Isotopes</i> , 2011, 69, 94-104.	1.5	32

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19	A comprehensive evaluation of charged-particle data for production of the therapeutic radionuclide ^{103}Pd . Applied Radiation and Isotopes, 2009, 67, 1842-1854.	1.5	30
20	Excitation Functions of Neutron Induced Reactions on some Isotopes of Zinc, Gallium and Germanium in the Energy Range of 6.2 to 12.4 MeV. Radiochimica Acta, 1999, 86, 1-10.	1.2	28
21	Pulsed neutron-based on-line coal analysis. Journal of Radioanalytical and Nuclear Chemistry, 1998, 234, 107-112.	1.5	27
22	Investigations of (n, t) cross sections at $14\text{A}^{\circ}7$ MeV. Journal of Inorganic and Nuclear Chemistry, 1975, 37, 1583-1585.	0.5	26
23	Radiochemical determination of cross sections of $\hat{1}\pm$ -particle induced reactions on ^{192}Os for the production of the therapeutic radionuclide $^{193\text{m}}\text{Pt}$. Applied Radiation and Isotopes, 2010, 68, 2001-2006.	1.5	26
24	Determination of Excitation Function of Triton Emission Reaction on Aluminum from Threshold up to 30 MeV via Activation in Diverse Neutron Fields and Unfolding Code Calculations. Nuclear Science and Engineering, 1985, 91, 162-172.	1.1	23
25	Excitation function and isomeric cross-section ratio for the $^{61}\text{Ni}(p,\hat{1}\pm)^{58}\text{Co}$ process. Physical Review C, 1993, 48, 3115-3118.	2.9	23
26	Excitation functions and isomeric cross section ratio of the $^{58}\text{Ni}(n,p)^{58}\text{Co}$ reactions from 2 to 15 MeV. Physical Review C, 1995, 52, 1940-1946.	2.9	19
27	Formation of the isomeric pairs $^{139\text{m}}\text{Nd}$ and $^{141\text{m}}\text{Nd}$ in proton and ^3He -particle-induced nuclear reactions. Physical Review C, 2007, 76, .	2.9	19
28	Energy dependence of the isomeric cross section ratio in the $^{58}\text{Ni}(n,p)^{58}\text{Co}$ reactions. Physical Review C, 1999, 60, .	2.9	17
29	Nuclear model calculations on proton and deuteron induced reactions on ^{122}Te and ^{120}Te with particular reference to the formation of the isomeric states $^{120\text{m}}\text{gl}$. Applied Radiation and Isotopes, 2000, 52, 937-941.	1.5	17
30	Mass number and excitation energy dependence of the $\hat{1}^{\sim}/\hat{1}^{\sim}$ parameter of the spin cut-off factor in the formation of an isomeric pair. Nuclear Physics A, 2018, 979, 113-142.	1.5	17
31	Cross sections of (n,p), (n, $\hat{1}\pm$) and (n,2n) reactions on some isotopes of zirconium in the neutron energy range of $10\text{A}^{\circ}12$ MeV and integral tests of differential cross section data using a $^{14}\text{MeV d}(\text{Be})$ neutron spectrum. Applied Radiation and Isotopes, 2001, 54, 655-662.	1.5	16
32	Evaluation of excitation functions of proton, ^3He - and $\hat{1}\pm$ -particle induced reactions for production of the medically interesting positron-emitter bromine-76. Applied Radiation and Isotopes, 2011, 69, 1490-1505.	1.5	16
33	Experimental study and nuclear model calculations on the $^{192}\text{Os}(p,n)^{192}\text{Ir}$ reaction: Comparison of reactor and cyclotron production of the therapeutic radionuclide ^{192}Ir . Applied Radiation and Isotopes, 2005, 63, 93-98.	1.5	14
34	Formation of the isomeric pair $^{194\text{m}}\text{Ir}$ in interactions of $\hat{1}\pm$ particles with ^{192}Os . Physical Review C, 2011, 84, .	2.9	14
35	Fast neutron spectrum unfolding of a TRIGA Mark II reactor and measurement of spectrum-averaged cross sections: integral tests of differential cross sections of neutron threshold reactions. Radiochimica Acta, 2013, 101, 613-620.	1.2	14
36	Accurate determination of production data of the non-standard positron emitter ^{86}Y via the $^{86}\text{Sr}(p,n)$ -reaction. Radiochimica Acta, 2020, 108, 747-756.	1.2	14

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37	Neutron induced reaction cross sections for the radioactive target nucleus ^{99}Tc . Nuclear Physics A, 2009, 815, 1-17.	1.5	12
38	Excitation function of the $^{60}\text{Ni}(p,^{13}\text{C})^{61}\text{Cu}$ reaction from threshold to 16 MeV. Physical Review C, 2016, 93, .	2.9	11
39	Excitation function of alpha-particle-induced reactions on natNi from threshold to 44 MeV. European Physical Journal A, 2017, 53, 1.	2.5	11
40	Excitation functions of the $^{89}\text{Y}(n, n\alpha)^{213}\text{Bi}$ and $^{89}\text{Y}(n, \alpha)^{213}\text{Bi}$ processes. Physical Review C, 1998, 58, 2577-2580.	2.9	9
41	Pulse-shape discrimination in the proportional counting of tritium betas. Nuclear Instruments & Methods, 1973, 112, 399-404.	1.2	8
42	Excitation function and thick target yield of the $^{40}\text{Ar}(\alpha, p)^{43}\text{K}$ reaction: Production of ^{43}K . Applied Radiation and Isotopes, 1995, 46, 1413-1420.	1.5	8
43	An Am/Be neutron source and its use in integral tests of differential neutron reaction cross-section data. Applied Radiation and Isotopes, 2010, 68, 1656-1661.	1.5	8
44	Recent Neutron Activation Cross Section Measurements. Journal of Nuclear Science and Technology, 2002, 39, 192-197.	1.3	7
45	Excitation function of the $^{192}\text{Os}(^3\text{He}, n)$ -reaction for production of ^{191}Pt . Applied Radiation and Isotopes, 2009, 67, 1074-1077.	1.5	6
46	Measurements of excitation functions of α -particle induced reactions on ^{nat}Ni : possibility of production of the medical isotopes ^{61}Cu and ^{67}Cu . Radiochimica Acta, 2018, 106, 87-93.	1.2	6
47	Determination of (n, charged particle) reaction cross sections for frt-relevant materials. Radiation Effects, 1986, 92, 97-100.	0.4	4
48	Study of deuteron induced reactions on natural iron and copper and their use for monitoring beam parameters and for thin layer activation technique. , 1997, , .		4
49	Excitation functions of proton-induced nuclear reactions on ^{86}Sr , with particular emphasis on the formation of isomeric states in ^{86}Y and ^{85}Y . European Physical Journal A, 2022, 58, 1.	2.5	3
50	Evaluations of Charged Particle Data for Production of the Therapeutic Radionuclides ^{103}Pd , ^{186}Re and ^{67}Cu . Journal of the Korean Physical Society, 2011, 59, 1987-1990.	0.7	2
51	Neutron induced reaction cross-section of ^{115}In around 14 MeV. Zeitschrift für Physik A, Atomic Nuclei, 1990, 337, 39-44.	0.3	1
52	Excitation functions of nuclear reactions leading to the soft-radiation emitting radionuclides ^{45}Ca , ^{49}V and ^{204}Tl in beam collimator materials used in proton therapy. Radiochimica Acta, 2010, 98, 447-457.	1.2	1