

# Iskender Atilla Reyhancan

## List of Publications by Year in descending order

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31  
papers

1,221  
citations

687363

13  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the spin-dependent structure function $g_1(x)$ of the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 329, 399-406.	4.1	311
2	Spin structure of the proton from polarized inclusive deep-inelastic muon-proton scattering. Physical Review D, 1997, 56, 5330-5358.	4.7	233
3	A new measurement of the spin-dependent structure function $g_1(x)$ of the deuteron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 248-254.	4.1	149
4	Polarisation of valence and non-strange sea quarks in the nucleon from semi-inclusive spin asymmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 93-100.	4.1	95
5	Spin asymmetry in muon-proton deep inelastic scattering on a transversely-polarized target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 336, 125-130.	4.1	89
6	Neutron shielding of EPDM rubber with boric acid: Mechanical, thermal properties and neutron absorption tests. Progress in Nuclear Energy, 2016, 89, 102-109.	2.9	79
7	Flexible neutron shielding composite material of EPDM rubber with boron trioxide: Mechanical, thermal investigations and neutron shielding tests. Radiation Physics and Chemistry, 2017, 131, 7-12.	2.8	67
8	Properties of Heavyweight Concrete for Structural and Radiation Shielding Purposes. Arabian Journal for Science and Engineering, 2016, 41, 1573-1584.	1.1	54
9	Large enhancement of deuteron polarization with frequency modulated microwaves. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 372, 339-343.	1.6	22
10	A line-shape analysis for spin-1 NMR signals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 398, 109-125.	1.6	17
11	$(n, \hat{1}\pm)$ Reaction Cross Sections of $^{44}\text{Ca}$ , $^{45}\text{Sc}$ , and $^{51}\text{V}$ Nuclei from 13.6 to 14.9 MeV. Nuclear Science and Engineering, 1998, 130, 254-260.	1.1	17
12	$^{16}\text{O}(n,p)^{16}\text{N}$ Reaction Cross Sections around 14 MeV. Nuclear Science and Engineering, 2000, 135, 260-266.	1.1	16
13	Measurements of isomeric cross sections for $(n,2n)$ reaction on $^{140}\text{Ce}$ , $^{142}\text{Nd}$ and $^{144}\text{Sm}$ isotopes around 14 MeV. Annals of Nuclear Energy, 2003, 30, 1539-1547.	1.8	15
14	Measurements and model calculations of activation cross sections for $^{232}\text{Th}(n,2n)^{231}\text{Th}$ reaction between 13.57 and 14.83 MeV neutrons. Annals of Nuclear Energy, 2011, 38, 2359-2362.	1.8	12
15	Newly developed semi-empirical formulas for $(p, \hat{1}\pm)$ at 17.9 MeV and $(p, np)$ at 22.3 MeV reaction cross-sections. Pramana - Journal of Physics, 2010, 74, 931-943.	1.8	9
16	Modification of the radial beam port of ITU TRIGA Mark II research reactor for BNCT applications. Applied Radiation and Isotopes, 2015, 99, 110-116.	1.5	6
17	A Monte Carlo Library Least Square approach in the Neutron Inelastic-scattering and Thermal-capture Analysis (NISTA) process in bulk coal samples. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 843, 29-33.	1.6	5
18	Measurements and statistical model calculations of activation cross sections for $^{19}\text{F}(n,p)^{19}\text{O}$ reaction between 13.6 and 14.9 MeV neutron energies. Annals of Nuclear Energy, 2003, 30, 1001-1007.	1.8	4

#	ARTICLE	IF	CITATIONS
19	A portable fast neutron radiography system for non-destructive analysis of composite materials. Nukleonika, 2019, 64, 97-101.	0.8	4
20	Measurements and model calculations of activation cross sections for (n,p) reactions on <sup>152</sup> Sm isotope between 13.57 and 14.83MeV neutrons. Applied Radiation and Isotopes, 2012, 70, 765-769.	1.5	3
21	<sup>65</sup> Cu isomeric cross sections for (n, $\hat{I}_{\pm}$ ) reaction using approximately 14MeV neutrons. Applied Radiation and Isotopes, 2015, 99, 86-89.	1.5	3
22	A large Streamer Chamber muon tracking detector in a high-flux fixed-target application. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 435, 354-374.	1.6	2
23	Cross-section measurements for the <sup>97</sup> Mo (n,p) <sup>97m</sup> Nb reaction at the neutron energies from 13.6 to 14.9 MeV. Annals of Nuclear Energy, 2003, 30, 1821-1828.	1.8	2
24	Measurements and model calculations of isomeric cross section for (n, $\hat{I}_{\pm}$ ) reaction on <sup>140</sup> Ce isotope around 14MeV neutrons. Annals of Nuclear Energy, 2012, 47, 81-84.	1.8	2
25	Measurements of activation cross-sections for the <sup>19</sup> F(n, $\hat{I}_{\pm}$ ) <sup>16</sup> N reaction for neutrons with energies between 13 and 15MeV. Annals of Nuclear Energy, 2006, 33, 159-162.	1.8	1
26	Measurements of Isomeric Cross Sections for (n, $\hat{I}_{\pm}$ ) Reaction on <sup>144</sup> Sm Isotope for Neutrons Around 14 MeV. Nuclear Science and Engineering, 2013, 174, 202-207.	1.1	1
27	Measurements of isomeric cross sections for the (n, $\hat{I}_{\pm}$ ) reaction on the <sup>142</sup> Nd isotope at approximately 14MeV neutrons. Applied Radiation and Isotopes, 2014, 91, 44-48.	1.5	1
28	Cross sections of ground and isomeric states for (n,p) reaction on Sm-154 between 13.57 and 14.83MeV neutrons. Applied Radiation and Isotopes, 2016, 113, 79-83.	1.5	1
29	Dose evaluation of <sup>142</sup> Pr radioisotope by Monte Carlo method in eye brachytherapy. Radiation Physics and Chemistry, 2020, 177, 109150.	2.8	1
30	Measurements and statistical model calculations of activation cross-sections for <sup>26</sup> Mg(n, $\hat{I}_{\pm}$ ) <sup>23</sup> Ne reaction between 13.6 and 14.9MeV neutron energies. Annals of Nuclear Energy, 2008, 35, 1068-1072.	1.8	0
31	Measurements of activation cross sections by cyclic activation method for (n,2n) reaction on <sup>144</sup> Sm isotope around 14 MeV neutron energy. Radiochimica Acta, 2018, 107, 33-37.	1.2	0