

# Betül Aşetin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1978261/publications.pdf>

Version: 2024-02-01

50  
papers

1,534  
citations

687363

13  
h-index

315739

38  
g-index

50  
all docs

50  
docs citations

50  
times ranked

773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon attenuation coefficients of concrete includes barite in different rate. <i>Annals of Nuclear Energy</i> , 2010, 37, 910-914.	1.8	266
2	Radiation shielding of concretes containing different aggregates. <i>Cement and Concrete Composites</i> , 2006, 28, 153-157.	10.7	260
3	Gamma-ray shielding properties of concrete including barite at different energies. <i>Progress in Nuclear Energy</i> , 2010, 52, 620-623.	2.9	182
4	The shielding of $\hat{I}^3$ -rays by concretes produced with barite. <i>Progress in Nuclear Energy</i> , 2005, 46, 1-11.	2.9	161
5	Radiation shielding of concrete containing zeolite. <i>Radiation Measurements</i> , 2010, 45, 827-830.	1.4	105
6	Study on dependence of partial and total mass attenuation coefficients. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 94, 379-385.	2.3	98
7	Natural radioactivity and radiation hazards in some building materials used in Isparta, Turkey. <i>Radiation Physics and Chemistry</i> , 2010, 79, 933-937.	2.8	87
8	Chemical corrosion on gamma-ray attenuation properties of barite concrete. <i>Journal of Saudi Chemical Society</i> , 2012, 16, 199-202.	5.2	51
9	Experimental investigation of $\hat{I}^3$ -ray attenuation coefficients for granites. <i>Annals of Nuclear Energy</i> , 2012, 44, 22-25.	1.8	50
10	Determination of Some Heavyweight Aggregate Half Value Layer Thickness Used for Radiation Shielding. <i>Acta Physica Polonica A</i> , 2012, 121, 138-140.	0.5	40
11	The properties of various igneous rocks for $\hat{I}^3$ -ray shielding. <i>Construction and Building Materials</i> , 2007, 21, 2078-2082.	7.2	33
12	Investigating Radiation Shielding Properties of Different Mineral Origin Heavyweight Concretes. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	21
13	Investigation of Radiation Shielding Properties of Soda-Lime-Silica Glasses Doped with Different Food Materials. <i>Acta Physica Polonica A</i> , 2017, 132, 988-990.	0.5	21
14	The effect of freezing-thawing ( $F\hat{A}T$ ) cycles on the radiation shielding properties of concretes. <i>Building and Environment</i> , 2006, 41, 1070-1073.	6.9	14
15	Determination of Radiation Attenuation Coefficients in Concretes Containing Different Wastes. <i>Acta Physica Polonica A</i> , 2016, 130, 316-317.	0.5	12
16	Determination of Natural Radioactivity Concentrations in Surface Soils in the YeÅ±rmak River in Amasya, Turkey. <i>Acta Physica Polonica A</i> , 2016, 130, 320-321.	0.5	10
17	The Effect of Pumice Rate on the Gamma Absorption Parameters of Concrete. <i>Acta Physica Polonica A</i> , 2012, 121, 144-146.	0.5	8
18	Assessments of Natural Radioactivity Concentration and Radiological Hazard Indices in Surface Soils from the GÅ±zlek Thermal SPA (Amasya-Turkey). <i>Acta Physica Polonica A</i> , 2017, 132, 1200-1202.	0.5	8

#	ARTICLE	IF	CITATIONS
19	Activation cross section for the $^{125}\text{Te}(p,xn)$ reactions in 5.5â€“100.5MeV energy range. <i>Annals of Nuclear Energy</i> , 2013, 60, 341-343.	1.8	7
20	Activation cross sections for the ( $\hat{1}^3,n$ ) reactions on zirconium isotopes. <i>Annals of Nuclear Energy</i> , 2014, 65, 181-183.	1.8	7
21	Natural Radioactivity and Radiation Hazards in Coals Extracted in Amasya, Turkey. <i>Acta Physica Polonica A</i> , 2015, 128, B-360-B-362.	0.5	6
22	Investigation of Radiation Absorption Properties of Some India Granites. <i>Acta Physica Polonica A</i> , 2015, 128, B-370-B-372.	0.5	6
23	Calculation of the (p,n) Reaction Cross Section of Radionuclides Used for PET Applications. <i>Acta Physica Polonica A</i> , 2016, 130, 318-319.	0.5	6
24	Investigation of Production Reaction Cross Section for $^{137}\text{Cs}$ Used in Radiotherapy. <i>Acta Physica Polonica A</i> , 2015, 128, B-363-B-364.	0.5	6
25	Determination of Gamma-ray Attenuation Coefficients at Different Energies in Amasya Marbles. <i>Acta Physica Polonica A</i> , 2015, 128, B-395-B-397.	0.5	5
26	Cross Sections Calculation of ( $\hat{1}^3,N$ ) Reactions for Some Elements. <i>Acta Physica Polonica A</i> , 2015, 128, B-411-B-414.	0.5	5
27	Determination of the Natural Radioactivity Level of Amasya Äžeyhçui Region. <i>Acta Physica Polonica A</i> , 2016, 130, 309-310.	0.5	5
28	Calculation of Gamma Strength Functions for Photonucleon Reactions. <i>Acta Physica Polonica A</i> , 2015, 128, B-414-B-417.	0.5	5
29	Variation of Photoneutron Cross Section with Mass Number. <i>Acta Physica Polonica A</i> , 2015, 128, B-409-B-411.	0.5	5
30	Investigation of Double Differential Cross Sections of ( $\hat{1}^3,p$ ) Reaction for $^{12}\text{C}$ Nuclei. <i>Acta Physica Polonica A</i> , 2016, 130, 313-315.	0.5	5
31	Boraboy Lake from Amasya Turkey: natural radioactivity and heavy metal content in water, sediment, and soil. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	5
32	Theoretical Cross-Section Calculation of In-111, Tc-99m, Co-57 Radioisotopes Used for Kidney Imaging. <i>Acta Physica Polonica A</i> , 2016, 130, 311-312.	0.5	4
33	Theoretical Photoneutron Cross Sections and the Effect of Gamma Strength Functions for W, Ag, Nb. <i>Acta Physica Polonica A</i> , 2017, 132, 1076-1079.	0.5	4
34	Photon Attenuation Coefficients of Iron Doped Clay at 662~keV. <i>Acta Physica Polonica A</i> , 2013, 123, 343-344.	0.5	3
35	Shielding Property of Natural Biomass Against Gamma Rays. <i>International Journal of Phytoremediation</i> , 2014, 16, 247-256.	3.1	3
36	Theoretical Production of Radiopharmaceuticals Used in Myocardial Perfusion Scintigraphy. <i>Acta Physica Polonica A</i> , 2016, 130, 304-305.	0.5	3

#	ARTICLE	IF	CITATIONS
37	Calculations of Double Differential Cross Sections on <sup>56</sup> Fe, <sup>63</sup> Cu and <sup>90</sup> Zr Neutron Emission in Proton Induced Reactions. Acta Physica Polonica A, 2017, 132, 1181-1185.	0.5	3
38	Radiation Shielding Properties of Mortars and Plasters Used in Historical Buildings. Acta Physica Polonica A, 2017, 132, 986-987.	0.5	3
39	Investigation of radiation Shielding Properties of of Some Building Materials. AIP Conference Proceedings, 2007, , .	0.4	2
40	Natural Radioactivity of Boron Added Clay Samples. , 2011, , .		2
41	Radiation shielding properties of concretes including quiclime (CaO). AIP Conference Proceedings, 2017, , .	0.4	2
42	Determination of natural radioactivity levels in soil and travertine of the region of Tokat and Sivas, Turkey. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	2
43	Investigation of External Radiation Dose Changes in Some X-ray Applications. Acta Physica Polonica A, 2015, 128, B-365-B-367.	0.5	2
44	Theoretical cross section calculations of medical <sup>13</sup> N and <sup>18</sup> F radioisotope using alpha induced reaction. AIP Conference Proceedings, 2017, , .	0.4	1
45	The Concentrations of [ <sup>40</sup> K], [ <sup>226</sup> Ra] and [ <sup>232</sup> Th] in Soil Sample in Osmaniye (Turkey). , 2011, , .		0
46	Natural radioactivity concentration of peanuts in Osmaniye-Turkey. , 2012, , .		0
47	Radiation absorption properties of different plaster samples. , 2012, , .		0
48	Measurements of natural radionuclides in some soil samples from Amasya (Turkey). , 2012, , .		0
49	Investigation of the excitation functions for some medical radioisotopes production. EPJ Web of Conferences, 2016, 128, 01003.	0.3	0
50	The Theoretical Production of In Isotopes by Insertion of Alpha Particles into Cd Nucleus. Acta Physica Polonica A, 2017, 132, 1080-1081.	0.5	0