

# Jerzy W Mietelski

## List of Publications by Year in descending order

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Version: 2024-02-01

103  
papers

2,393  
citations

257450

24  
h-index

223800

46  
g-index

103  
all docs

103  
docs citations

103  
times ranked

1928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Air radioactivity in Marambio Base: The peculiar character of Antarctic Peninsula. <i>Journal of Environmental Radioactivity</i> , 2022, 251-252, 106930.	1.7	0
2	Searching for the "smoking gun" of the miscarried 2019 Nenoksa nuclear cruise missile test: a null result. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 350-358.	1.2	0
3	Fabrication, characterization and analysis of a prototype high purity germanium detector for $^{76}\text{Ge}$ -based neutrinoless double beta decay experiments. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	3
4	Nuclear Reactions That Occur in Human Body During Proton Therapy. <i>Acta Physica Polonica A</i> , 2021, 139, 454-456.	0.5	4
5	Investigations of Muon Flux Variations Detected Using Veto Detectors of the Digital Gamma-rays Spectrometer. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7916.	2.5	1
6	Europe-Wide Atmospheric Radionuclide Dispersion by Unprecedented Wildfires in the Chernobyl Exclusion Zone, April 2020. <i>Environmental Science &amp; Technology</i> , 2021, 55, 13834-13848.	10.0	12
7	Sources and variation of isotopic ratio of airborne radionuclides in Western Arctic lichens and mosses. <i>Chemosphere</i> , 2020, 239, 124783.	8.2	15
8	Anthropogenic radionuclides in Antarctic biota " dosimetric considerations. <i>Journal of Environmental Radioactivity</i> , 2020, 213, 106140.	1.7	4
9	The radioactive contamination study in south-western Greenland tundra in 2012"2013. <i>Journal of Environmental Radioactivity</i> , 2020, 212, 106125.	1.7	2
10	Cosmic-Ray Extremely Distributed Observatory. <i>Symmetry</i> , 2020, 12, 1835.	2.2	33
11	Search for tritium in air in a room equipped with $^{14}\text{MeV}$ neutron generator with tritiated targets. <i>Journal of Environmental Radioactivity</i> , 2020, 217, 106218.	1.7	1
12	Environmental radioactivity aspects of recent nuclear accidents associated with undeclared nuclear activities and suggestion for new monitoring strategies. <i>Journal of Environmental Radioactivity</i> , 2020, 214-215, 106151.	1.7	8
13	Range-based method of alpha-particle spectrometry using LiF fluorescent nuclear track detectors. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 160, 107837.	5.0	5
14	Airborne concentrations and chemical considerations of radioactive ruthenium from an undeclared major nuclear release in 2017. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16750-16759.	7.1	44
15	Detection of background thermal neutrons in a modified low-background germanium gamma-ray spectrometer. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 1331-1339.	1.5	1
16	Low-background, digital gamma-ray spectrometer with BEGe detector and active shield: commissioning, optimisation and software development. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 1311-1321.	1.5	9
17	An episode of Ru-106 in air over Europe, September"October 2017 " Geographical distribution of inhalation dose over Europe. <i>Journal of Environmental Radioactivity</i> , 2019, 205-206, 79-92.	1.7	14
18	Reexamination of Proton-induced Reactions on $^{98}\text{Mo}$ at 19-26 MeV and Study of Target Yield of Resultant Radionuclides. <i>Acta Physica Polonica B</i> , 2019, 50, 1583.	0.8	2

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19	Some aspects of cesium-137 entry into "market basket" in Kyiv. <i>Environment &amp; Health</i> , 2019, , 17-20.	0.4	1
20	Study on the sorption process on geological materials of long-lived radioactive isotopes <sup>90</sup> Sr and <sup>137</sup> Cs in model systems with the use of short-lived isotopes of <sup>85</sup> Sr, <sup>134</sup> Cs. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 81-93.	1.5	4
21	Determination of element composition and extraterrestrial material occurrence in moss and lichen samples from King George Island (Antarctica) using reactor neutron activation analysis and SEM microscopy. <i>Environmental Science and Pollution Research</i> , 2018, 25, 436-446.	5.3	18
22	Measurement of <sup>131</sup> I activity in air indoor Polish nuclear medical hospital as a tool for an internal dose assessment. <i>Radiation and Environmental Biophysics</i> , 2018, 57, 77-82.	1.4	10
23	Medical activated charcoal tablets as a cheap tool for passive monitoring of gaseous <sup>131</sup> I activity in air of nuclear medicine departments. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 723-726.	1.5	1
24	Plutonium and thorium isotopes in the bottom sediments of some Mazurian Lakes (Poland). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 2389-2399.	1.5	2
25	Variations of plutonium isotopic ratios in Antarctic ecosystems. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1511-1518.	1.5	8
26	Activation of ITER materials in JET: nuclear characterisation experiments for the long-term irradiation station. <i>Nuclear Fusion</i> , 2018, 58, 096013.	3.5	17
27	Potential Source Apportionment and Meteorological Conditions Involved in Airborne <sup>131</sup> I Detections in January/February 2017 in Europe. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8488-8500.	10.0	29
28	The sources of high airborne radioactivity in cryoconite holes from the Caucasus (Georgia). <i>Scientific Reports</i> , 2018, 8, 10802.	3.3	34
29	Modeling of the <sup>137</sup> Cs and <sup>90</sup> Sr contamination transportation process performed for the vicinity of National Radioactive Wastes Disposal in R <sup>3</sup> A <sup>1</sup> / <sub>4</sub> an (NE Poland). <i>Computer Science and Mathematical Modelling</i> , 2018, .	0.2	0
30	Gamma emitters in atmospheric precipitation in Krakow (Southern Poland) during the years 2005-2015. <i>Journal of Environmental Radioactivity</i> , 2017, 166, 10-16.	1.7	9
31	Measurement of <sup>131</sup> I activity in thyroid of nuclear medical staff and internal dose assessment in a Polish nuclear medical hospital. <i>Radiation and Environmental Biophysics</i> , 2017, 56, 19-26.	1.4	18
32	Status of ITER material activation experiments at JET. <i>Fusion Engineering and Design</i> , 2017, 124, 1150-1155.	1.9	10
33	Variations in Pu isotopic composition in soils from the Spitsbergen (Norway): Three potential pollution sources of the Arctic region. <i>Chemosphere</i> , 2017, 178, 231-238.	8.2	12
34	<sup>131</sup> I age-dependent inhalation dose in Southern Poland from Fukushima accident. <i>Radiation and Environmental Biophysics</i> , 2017, 56, 9-17.	1.4	7
35	<sup>47</sup> Sc production development by cyclotron irradiation of <sup>48</sup> Ca. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 429-434.	1.5	52
36	Determination of Technetium-99 in Peat by Flow Injection-Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Letters</i> , 2016, 49, 2755-2765.	1.8	4

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37	Plutonium isotopes in the atmosphere of Central Europe: Isotopic composition and time evolution vs. circulation factors. <i>Science of the Total Environment</i> , 2016, 569-570, 937-947.	8.0	22
38	Strontium-90 activity concentration in soil samples from the exclusion zone of the Fukushima daiichi nuclear power plant. <i>Scientific Reports</i> , 2016, 6, 23925.	3.3	88
39	The study of natural and artificial radionuclides incorporation in teeth and head bones of animals lived nearby Caetitã© uranium mine, Brazil. <i>Journal of Environmental Radioactivity</i> , 2016, 162-163, 39-44.	1.7	4
40	Lead shielding efficiency from the gamma background measurements in the salt cavern of the Polkowiceâ€”Sieroszowice copper mine. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 773-780.	1.5	8
41	Combined, sequential procedure for determination of <sup>137</sup> Cs, <sup>40</sup> K, <sup>63</sup> Ni, <sup>90</sup> Sr, <sup>230</sup> , <sup>232</sup> Th, <sup>234</sup> , <sup>238</sup> U, <sup>237</sup> Np, <sup>238</sup> , <sup>239</sup> + <sup>240</sup> Pu and <sup>241</sup> Am applied for study on contamination of soils near Å»arnowiec Lake (northern) Tj ETQq11.50.784317 rgBT	1.5	0
42	Potassium influence on the sorption of <sup>134</sup> Cs and <sup>83</sup> Rb by AMP in fresh and salty waters. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 305, 439-443.	1.5	3
43	Radioactivity in the Kuwait marine environment â€” Baseline measurements and review. <i>Marine Pollution Bulletin</i> , 2015, 100, 651-661.	5.0	40
44	Plutonium, <sup>90</sup> Sr and <sup>241</sup> Am in human bones from southern and northeastern parts of Poland. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1379-1388.	1.5	3
45	Long-range transport of gaseous <sup>131</sup> I and other radionuclides from Fukushima accident to Southern Poland. <i>Atmospheric Environment</i> , 2014, 91, 137-145.	4.1	20
46	Cosmogenic <sup>22</sup> Na, <sup>7</sup> Be and terrestrial <sup>137</sup> Cs, <sup>40</sup> K radionuclides in ground level air samples collected weekly in Krakã³w (Poland) over years 2003â€”2006. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 300, 747-756.	1.5	26
47	Sources and pathways of artificial radionuclides to soils at a High Arctic site. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12479-12493.	5.3	31
48	Methodological studies of the determination of <sup>99</sup> Tc in matrix-rich environmental samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 403-406.	1.5	0
49	Plutonium in Gorce Mountains area (Southern Poland). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 771-775.	1.5	2
50	Sources and vertical distribution of <sup>137</sup> Cs, <sup>238</sup> Pu, <sup>239</sup> + <sup>240</sup> Pu and <sup>241</sup> Am in peat profiles from southwest Spitsbergen. <i>Applied Geochemistry</i> , 2013, 28, 100-108.	3.0	39
51	Are Kimberlite Pipes a Kind of Macroscopic Nuclear Tracks Formed in Collision with CUDO?. <i>Acta Physica Polonica B</i> , 2013, 44, 787.	0.8	0
52	Determination of iodine concentration in aqueous solutions by proton activation analysis: preliminary results for digested human thyroids. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 291, 415-419.	1.5	0
53	Tracking of Airborne Radionuclides from the Damaged Fukushima Dai-Ichi Nuclear Reactors by European Networks. <i>Environmental Science &amp; Technology</i> , 2011, 45, 7670-7677.	10.0	333
54	Downward migration of Chernobyl-derived radionuclides in soils in Poland and Sweden. <i>Applied Geochemistry</i> , 2011, 26, 105-115.	3.0	53

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55	Human bones obtained from routine joint replacement surgery as a tool for studies of plutonium, americium and <sup>90</sup> Sr body-burden in general public. <i>Journal of Environmental Radioactivity</i> , 2011, 102, 559-565.	1.7	9
56	Uranium and radium in water samples around the Nikola Tesla B lignite-fired power plant - Obrenovac, Serbia. <i>Nuclear Technology and Radiation Protection</i> , 2011, 26, 11-17.	0.8	1
57	Plutonium, <sup>137</sup> Cs and <sup>90</sup> Sr in selected invertebrates from some areas around Chernobyl nuclear power plant. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 488-493.	1.7	18
58	Sources and distributions of <sup>137</sup> Cs, <sup>238</sup> Pu, <sup>239,240</sup> Pu radionuclides in the north-western Barents Sea. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 323-331.	1.7	29
59	Pilot measurements of <sup>237</sup> Np in forest litter from Poland. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 283, 385-387.	1.5	5
60	<sup>137</sup> Cs and <sup>40</sup> K in fruiting bodies of different fungal species collected in a single forest in southern Poland. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 706-711.	1.7	52
61	SUNLAB – The Project of a Polish Underground Laboratory. , 2010, , .		3
62	<sup>63</sup> Ni in Chernobyl – ruthenium hot particles – and in forest soil samples. <i>Radiochimica Acta</i> , 2010, 98, .	1.2	3
63	Plutonium traces in atmospheric precipitation and in aerosols from Krakow and Bialystok. <i>Radiochimica Acta</i> , 2009, 97, 253-255.	1.2	6
64	Identification and assessment of elevated exposure to natural radiation in Balkan region (Serbia). <i>Radioprotection</i> , 2009, 44, 919-925.	1.0	7
65	<sup>238</sup> Pu, <sup>239+240</sup> Pu, <sup>241</sup> Am, <sup>90</sup> Sr and <sup>137</sup> Cs in mountain soil samples from the Tatra National Park (Poland). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 275, 523-533.	1.5	21
66	Plutonium, americium, <sup>90</sup> Sr and <sup>137</sup> Cs in bones of red fox ( <i>Vulpes vulpes</i> ) from Eastern Poland. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 275, 571-577.	1.5	8
67	<sup>137</sup> Cs, <sup>40</sup> K, <sup>238</sup> Pu, <sup>239+240</sup> Pu and <sup>90</sup> Sr in biological samples from King George Island (Southern Tj ETQq1 1 0.784314 rgBT / Overl	1.2	23
68	Traces of DU in samples of environmental bio-monitors (non-flowering plants, fungi) and soil from target sites of the Western Balkan region. <i>Journal of Environmental Radioactivity</i> , 2008, 99, 1324-1328.	1.7	12
69	Radionuclides in two rised peat profiles collected from KoÅcieliska Valley in the Tatra Mountains. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2006, 267, 443-448.	1.5	10
70	Gamma-emitters <sup>90</sup> Sr, <sup>238,239+240</sup> Pu and <sup>241</sup> Am in bones and liver of eagles from Poland. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2006, 270, 131-135.	1.5	14
71	Soil-to-fungi transfer of <sup>90</sup> Sr, <sup>239+240</sup> Pu, and <sup>241</sup> Am. <i>Radiochimica Acta</i> , 2006, 94, 75-80.	1.2	19
72	Geographical distribution of <sup>90</sup> Sr contamination in Poland. <i>Radiochimica Acta</i> , 2006, 94, 175-179.	1.2	17

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73	40K, 137Cs, 90Sr, 238,239+240Pu and 241Am in mammals' skulls from owls' pellets and owl skeletons in Poland. <i>Journal of Environmental Radioactivity</i> , 2005, 78, 93-103.	1.7	13
74	Inhalation dose due to presence of 131I in air above septic tank system of an endocrinology hospital. <i>Radiation Protection Dosimetry</i> , 2005, 117, 395-401.	0.8	8
75	Resolving global versus local/regional Pu sources in the environment using sector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 241-245.	3.0	63
76	Resolving Chernobyl vs. global fallout contributions in soils from Poland using Plutonium atom ratios measured by inductively coupled plasma mass spectrometry. <i>Journal of Environmental Radioactivity</i> , 2004, 73, 183-201.	1.7	87
77	137Cs, 40K, 90Sr, 238, 239+240Pu, 241Am and 243+244Cm in forest litter and their transfer to some species of insects and plants in boreal forests: Three case studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 262, 645-660.	1.5	22
78	Design, construction and tests of the ICARUS T600 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 527, 329-410.	1.6	362
79	Elevated plutonium and americium content in skulls of small mammals. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 256, 593-594.	1.5	3
80	Gamma Emitters on Micro-Becquerel Activity Level in Air at Kraków (Poland). <i>Journal of Atmospheric Chemistry</i> , 2003, 46, 103-116.	3.2	22
81	Geotrupine beetles (Coleoptera: Scarabaeoidea) as bio-monitors of man-made radioactivity. <i>Journal of Environmental Monitoring</i> , 2003, 5, 296-301.	2.1	9
82	TRANSURANIC ISOTOPES AND 90Sr IN ATTIC DUST IN THE VICINITY OF TWO NUCLEAR ESTABLISHMENTS IN NORTHERN GERMANY. <i>Health Physics</i> , 2003, 84, 599-607.	0.5	6
83	Plutonium and other alpha emitters in mushrooms from Poland, Spain and Ukraine. <i>Applied Radiation and Isotopes</i> , 2002, 56, 717-729.	1.5	39
84	Radionuclides in raised bogs: a case study of Białystok. <i>Journal of Environmental Monitoring</i> , 2001, 3, 324-329.	2.1	5
85	On a Pure Instrumental Method of 90Sr Determination in Bone Samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2001, 250, 551-553.	1.5	0
86	Sr and stable strontium in bones of wild, herbivorous animals from Poland. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2001, 247, 363-370.	1.5	24
87	Plutonium in the environment of Poland (a review). <i>Radioactivity in the Environment</i> , 2001, 1, 401-412.	0.2	7
88	Application of a low-background gamma-ray spectrometer to the determination of. <i>Applied Radiation and Isotopes</i> , 2000, 53, 121-126.	1.5	3
89	Plutonium and other alpha-emitters in bones of wild, herbivorous animals from north-eastern Poland. <i>Applied Radiation and Isotopes</i> , 2000, 53, 251-257.	1.5	15
90	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 245, 527-537.	1.5	30

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91	Pu-241 in samples of forest soil from Poland. Applied Radiation and Isotopes, 1999, 51, 435-447.	1.5	50
92	Title is missing!. Water, Air, and Soil Pollution, 1998, 102, 355-360.	2.4	4
93	Chernobyl <sup>90</sup> Sr in bilberries from Poland. Journal of Radioanalytical and Nuclear Chemistry, 1997, 222, 183-187.	1.5	13
94	Americium, Curium and rare earths radionuclides in forest litter samples from Poland. Applied Radiation and Isotopes, 1997, 48, 705-713.	1.5	25
95	The method of measurement used in the investigation of radioactive contamination of forests in Poland. Applied Radiation and Isotopes, 1996, 47, 1089-1095.	1.5	27
96	Plutonium from Chernobyl in Poland. Applied Radiation and Isotopes, 1995, 46, 1203-1211.	1.5	78
97	Accumulation of cesium and radiocesium in forest litter in selected regions of poland and its influence on litter-to-mushroom transfer factor. Biological Trace Element Research, 1994, 43-45, 273-277.	3.5	4
98	Radioactive contamination of forests in Poland. Biological Trace Element Research, 1994, 43-45, 715-723.	3.5	4
99	Radioactive contamination of Polish mushrooms. Science of the Total Environment, 1994, 157, 217-226.	8.0	67
100	<sup>90</sup> Sr and <sup>239+240</sup> Pu/ <sup>238</sup> Pu/ <sup>241</sup> Am in some samples of mushrooms and forest soil from Poland. Journal of Radioanalytical and Nuclear Chemistry, 1993, 170, 243-258.	1.5	39
101	Radioactive <sup>125</sup> Sb and <sup>60</sup> Co in "ruthenium" hot particles from Chernobyl fallout. Journal of Radioanalytical and Nuclear Chemistry, 1992, 166, 173-180.	1.5	11
102	Radioactive contamination of the forests of Southern Poland and Finland. Journal of Radioanalytical and Nuclear Chemistry, 1990, 146, 1-13.	1.5	3
103	Long lived isotopes in the Chernobyl radioactive cloud at Cracow. Journal of Radioanalytical and Nuclear Chemistry, 1988, 127, 367-378.	1.5	10