Miroslav JeÅ¡kovskÃ½

List of Publications by Year
in descending order

41 papers	918 citations	567281 15 h-index	477307 29 g-index
42 all docs	42 docs citations	42 times ranked	915 citing authors

#	Article	IF	Citations
1	Iodine-129 in Seawater Offshore Fukushima: Distribution, Inorganic Speciation, Sources, and Budget. Environmental Science & Technology, 2013, 47, 3091-3098.	10.0	193
2	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND). AIP Conference Proceedings, 2017, , .	0.4	126
3	Cesium, iodine and tritium in NW Pacific waters â€“ a comparison of the Fukushima impact with global fallout. Biogeosciences, 2013, 10, 5481-5496.	3.3	116
4	137Cs water profiles in the South Indian Ocean â€“ An evidence for accumulation of pollutants in the subtropical gyre. Progress in Oceanography, 2011, 89, 17-30.	3.2	43
5	Low-level single and coincidence gamma-ray spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2008, 276, 779-787.	1.5	35
6	Long-term variations of 14C and 137Cs in the Bratislava air â€“ implications of different atmospheric transport processes. Journal of Environmental Radioactivity, 2012, 108, 33-40.	1.7	34
7	Development of the Accelerator Mass Spectrometry technology at the Comenius University in Bratislava. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 87-94.	1.4	28
8	Retrospective study of 14C concentration in the vicinity of NPP JaslovskÃ© Bohunice using tree rings and the AMS technique. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 129-132.	1.4	24
9	Analysis of 26Al in meteorite samples by coincidence gamma-ray spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 805-808.	1.5	23
10	Single and Double Beta-Decay<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Values among the Triplet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Zr</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>96</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>,<mml:math	7.8	23
11	Long-term variations of radionuclides in the Bratislava air. Journal of Environmental Radioactivity, 2017, 166, 27-35.	1.7	23
12	Experimental and Monte Carlo determination of HPGe detector efficiency. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1863-1869.	1.5	22
13	A new IBA-AMS laboratory at the Comenius University in Bratislava (Slovakia). Nuclear Instruments & Methods in Physics Research B, 2015, 342, 321-326.	1.4	20
14	Evaluation of elemental content in air-borne particulate matter in low-level atmosphere of Bratislava. Atmospheric Environment, 2008, 42, 8079-8085.	4.1	17
15	Modeling of temporal variations of vertical concentration profile of 7Be in the atmosphere. Atmospheric Environment, 2009, 43, 2000-2004.	4.1	17
16	Distributions of 137Cs and 210Pb in moss collected from Belarus and Slovakia. Journal of Environmental Radioactivity, 2013, 117, 19-24.	1.7	16
17	Geant4-based electromagnetic background model for the CRESST dark matter experiment. European Physical Journal C, 2019, 79, 881.	3.9	15
18	Radiocarbon in the Atmosphere of the Å½lkovce Monitoring Station of the Bohunice NPP: 25 Years of Continuous Monthly Measurements. Radiocarbon, 2015, 57, 355-362.	1.8	14

#	Article	IF	Citations
19	Radiocarbon concentration in tree-ring samples collected in the south-west Slovakia (1974â€“2013). Applied Radiation and Isotopes, 2017, 126, 58-60.	1.5	12
20	Searches for Light Dark Matter with the CRESST-III Experiment. Journal of Low Temperature Physics, 2020, 199, 547-555.	1.4	11
21	Ultra-sensitive radioanalytical technologies for underground physics experiments. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 677-684.	1.5	10
22	A search for double-electron capture of 74Se to excited levels using coincidence/anticoincidence gamma-ray spectrometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 795, 268-275.	1.6	9
23	Recent results from the AMS/IBA laboratory at the Comenius University in Bratislava: preparation of targets and optimization of ion sources. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2101-2108.	1.5	9
24	Radiocarbon analysis of carbonaceous aerosols in Bratislava, Slovakia. Journal of Environmental Radioactivity, 2020, 218, 106221.	1.7	9
25	Preliminary AMS measurements of 10Be at the CENTA facility. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 139-142.	1.4	8
26	Joint Bratislavaâ€“Prague studies of radiocarbon and uranium in the environment using accelerator mass spectrometry and radiometric methods. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 67-73.	1.5	7
27	PIXE beam line at the CENTA facility of the Comenius University in Bratislava: first results. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1409-1415.	1.5	7
28	Lithium-Containing Crystals for Light Dark Matter Search Experiments. Journal of Low Temperature Physics, 2020, 199, 510-518.	1.4	6
29	Cryogenic characterization of a $$hbox {LiAlO}_{2}$$ crystal and new results on spin-dependent dark matter interactions with ordinary matter. European Physical Journal C, 2020, 80, 1.	3.9	6
30	Anthropogenic 137 Cs on atmospheric aerosols in Bratislava and around nuclear power plants in Slovakia. Journal of Environmental Radioactivity, 2018, 184-185, 77-82.	1.7	4
31	Determination of metal elements concentrations in human brain tissues using PIXE and EDX methods. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 2313-2319.	1.5	4
32	Latest results of CRESST-IIIâ€™s search for sub-GeV/c² dark matter. Journal of Physics: Conference Series, 2020, 1468, 012038.	0.4	4
33	Recent developments in IBA analysis at CENTA, Bratislava. EPJ Web of Conferences, 2022, 261, 01002.	0.3	4
34	Analysis of environmental radionuclides. , 2019, , 137-261.		3
35	Reference material for natural radionuclides in glass designed for underground experiments. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 619-626.	1.5	2
36	Development of separation procedures for determination of uranium and thorium in the 82Se source of the SuperNEMO experiment: first steps. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 2321-2327.	1.5	2

#	Article	IF	Citations
37	Investigation of suitable targets for accelerator mass spectrometry of 26Al. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 101-106.	1.4	2
38	Analysis of meteorite samples using PIXE technique. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1897-1903.	1.5	2
39	Radioactivity of the Atmospheric Aerosol in Bratislava. AIP Conference Proceedings, 2007, , .	0.4	1
40	Tracing of radiocesium extraction from waters and uranium content in liquid samples by particle induced X-ray emission (PIXE). Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 591-597.	1.5	1
41	Elemental composition of organic and non-organic foods determined by PIXE. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1249-1259.	1.5	1