Jovana B Nikolov

List of Publications by Year
in descending order

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63	690	567281 15	642732 23
papers	citations	h-index	g-index

64	64	64	682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sample matrix influence on the efficiency function modeling for uranium isotopes determination by gamma spectrometry. Radiation Physics and Chemistry, 2022, 192, 109891.	2.8	1
2	Experimental Studies to Test a Predictive Indoor Radon Model. International Journal of Environmental Research and Public Health, 2022, 19, 6056.	2.6	6
3	Rapid Determination of the Primary Alkaloids in Illicit Heroin by High-Performance Liquid Chromatography with Tandem Mass Spectrometry (HPLCâ€“MS/MS). Analytical Letters, 2021, 54, 1224-1232.	1.8	6
4	Testing of EFFTRAN and Angle software in comparison to GEANT 4 simulations in gamma spectrometry of cylindrical and noncylindrical sample geometries. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 986, 164768.	1.6	3
5	Application of 90Sr for industrial purposes and dose assessment. Radiation Physics and Chemistry, 2021, 179, 109260.	2.8	5
6	Scintillating and wavelength shifting effect investigation of 3-methylpiridinium salicylate and its application in LSC measurements. Applied Radiation and Isotopes, 2021, 172, 109697.	1.5	2
7	Experimental information on mass- and TKE-dependence of the prompt fission Î³-ray multiplicity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136293.	4.1	15
8	Diagnostic quality assessment of compressed SENSE accelerated magnetic resonance images in standard neuroimaging protocol: Choosing the right acceleration. Physica Medica, 2021, 88, 158-166.	0.7	3
9	Radium interference during radon measurements in water: comparison of one- and two-phase liquid scintillation counting. Arhiv Za Higijenu Rada I Toksikologiju, 2021, 72, 205-215.	0.7	1
10	Cherenkov Radiation Detection on a LS Counter for 226Ra Determination in Water and Its Comparison with Other Common Methods. Materials, 2021, 14, 6719.	2.9	0
11	Radiological characterization of phosphogypsum produced in Serbia. Radiation Physics and Chemistry, 2020, 166, 108463.	2.8	28
12	210Pb/210bi detection in waters by cherenkov counting â€“ perspectives and new possibilities. Radiation Physics and Chemistry, 2020, 166, 108474.	2.8	6
13	Radiological, structural and chemical characterization of raw materials and ceramic tiles in Serbia. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 861-874.	1.5	4
14	Heavy metals and radon content in spring water of Kosovo. Scientific Reports, 2020, 10, 10359.	3.3	7
15	Radioactivity in drinking water supplies in the Vojvodina region, Serbia, and health implication. Environmental Earth Sciences, 2020, 79, 1.	2.7	3
16	Radioactivity of building materials in Serbia and assessment of radiological hazard of gamma radiation and radon exhalation. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 1077-1087.	1.5	24
17	Demonstration of cooling by the Muon Ionization Cooling Experiment. Nature, 2020, 578, 53-59.	27.8	61
18	Radiation exposure to zircon minerals in Serbian ceramic industries. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 949-960.	1.5	5

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19	Characterization of californium sources by gamma spectrometry: relevance for nuclear forensics. Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 405-412.	1.5	7
20	Assessment of radiation risk and radon exhalation rate for granite used in the construction industry. Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 565-577.	1.5	10
21	90Sr/90Y determination in milk by Cherenkov radiation after microwave digestion. Journal of Radioanalytical and Nuclear Chemistry, 2019, 320, 679-687.	1.5	4
22	A survey of isotopic composition (2H, 3H, 18O) of groundwater from Vojvodina. Journal of Radioanalytical and Nuclear Chemistry, 2019, 320, 385-394.	1.5	5
23	Optimization of the HPGe detector passive shields by Monte-Carlo simulations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 929, 76-83.	1.6	2
24	Angle vs. LabSOCS for HPGe efficiency calibration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 920, 81-87.	1.6	6
25	Investigation of fast screening LSC method for monitoring 14C activity in wastewater samples. Radiation Measurements, 2019, 121, 1-9.	1.4	1
26	Assessment of radiation risk from drinking water at public fountains on the wider territory of KruÅ¡evac. The University Thought: Publication in Natural Sciences, 2019, 9, 72-76.	0.3	1
27	Evaluation of different LSC methods for 222Rn determination in waters. Applied Radiation and Isotopes, 2018, 142, 56-63.	1.5	7
28	Biogenic fraction determination in fuels â€“ Optimal parameters survey. Fuel, 2017, 191, 330-338.	6.4	13
29	90 Sr determination in water samples using ÄŒerenkov radiation. Journal of Environmental Radioactivity, 2017, 169-170, 197-202.	1.7	16
30	RADIOLOGICAL IMPACTS ASSESSMENT FOR WORKERS IN CERAMIC INDUSTRY IN SERBIA. Radiation Protection Dosimetry, 2017, 176, 411-417.	0.8	1
31	The on-line low temperature nuclear orientation facility NICOLE. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 044010.	3.6	3
32	Possibilities and limitations of color quench correction methods for gross alpha/beta measurements. Applied Radiation and Isotopes, 2017, 122, 164-173.	1.5	10
33	Establishment of rapid LSC method for direct alpha/beta measurements in waters. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 623-627.	1.5	5
34	Concentrations of 226 Ra, 232 Th and 4 0 K in industrial kaolinized granite. Journal of Environmental Radioactivity, 2017, 168, 10-14.	1.7	9
35	PSA discriminator influence on 222Rn efficiency detection in waters by liquid scintillation counting. Applied Radiation and Isotopes, 2016, 112, 80-88.	1.5	9
36	Measurement of tritium in the Sava and Danube Rivers. Journal of Environmental Radioactivity, 2016, 162-163, 56-67.	1.7	13

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37	Radioactivity in fertilizers and radiological impact. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 2505.	1.5	7
38	Improvement of measuring methods and instrumentation concerning 222Rn determination in drinking waters â€“ RAD7 and LSC technique comparison. Applied Radiation and Isotopes, 2015, 98, 117-124.	1.5	17
39	Radionuclide, scintillation cocktail and chemical/color quench influence on discriminator setting in gross alpha/beta measurements by LSC. Journal of Environmental Radioactivity, 2015, 144, 41-46.	1.7	13
40	Hydrogeochemistry of thermal groundwaters in the Serbian crystalline core region. Journal of Geochemical Exploration, 2015, 159, 101-114.	3.2	22
41	Natural radioactivity in raw materials used in building industry in Serbia. International Journal of Environmental Science and Technology, 2015, 12, 705-716.	3.5	21
42	Applicability of the Ge(n,Î³) Reaction for Estimating Thermal Neutron Flux. Physics Procedia, 2014, 59, 71-77.	1.2	1
43	Radioactivity in the indoor building environment in Serbia. Radiation Protection Dosimetry, 2014, 158, 208-215.	0.8	6
44	Establishment of a method for 222Rn determination in water by low-level liquid scintillation counter. Radiation Protection Dosimetry, 2014, 162, 110-114.	0.8	3
45	Radon in thermal waters in south-east part of Serbia. Radiation Protection Dosimetry, 2014, 160, 239-243.	0.8	7
46	Magnetic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Hf</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>177</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Hf</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>180</mml:mn></mml:	2.9	7
47	Study on quench effects in liquid scintillation counting during tritium measurements. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 253-259.	1.5	6
48	Natural radioactivity around former uranium mine, Gabrovnica in Eastern Serbia. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 477-482.	1.5	7
49	Isotope analyses of the lake sediments in the Plitvice Lakes, Croatia. Open Physics, 2014, 12, .	1.7	6
50	Optimization of low-level LS counter Quantulus 1220 for tritium determination in water samples. Radiation Physics and Chemistry, 2014, 98, 69-76.	2.8	20
51	A new spin-oriented nuclei facility: POLAREX. EPJ Web of Conferences, 2014, 66, 02034.	0.3	2
52	Reinvestigation of the irregularities in the 3H decay. Astroparticle Physics, 2013, 47, 38-44.	4.3	5
53	Different methods for tritium determination in surface water by LSC. Applied Radiation and Isotopes, 2013, 71, 51-56.	1.5	21
54	Time resolved spectroscopy of cosmic-ray muons induced background. Astroparticle Physics, 2013, 42, 103-111.	4.3	3

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55	A simple model for the assessment of indoor radionuclide Pb-210 surface contamination due to the presence of radon. Nuclear Technology and Radiation Protection, 2013, 28, 68-72.	0.8	0
56	Magnetic Dipole Moment of the Doubly-Closed-Shell Plus One Proton Nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Sc</mml:mi><mml:mprescripts /><mml:none /><mml:mn>49</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2012, 109, 032504.	7.8	12
57	Establishment of a method for measurement of gross alpha/beta activities in water from Vojvodina region. Radiation Measurements, 2012, 47, 1053-1059.	1.4	21
58	Exposure to radon in the radon spa NiÅ¡ka Banja, Serbia. Radiation Measurements, 2012, 47, 443-450.	1.4	37
59	Airborne radioiodine in northern Serbia from Fukushima. Journal of Environmental Radioactivity, 2012, 114, 89-93.	1.7	24
60	Natural radionuclides in drinking waters in Serbia. Applied Radiation and Isotopes, 2012, 70, 2703-2710.	1.5	39
61	Public exposure to radon in drinking water in SERBIA. Applied Radiation and Isotopes, 2012, 70, 543-549.	1.5	81
62	An overview of the radiation properties of spring water in the rural areas of Central Serbia. International Journal of Environmental Analytical Chemistry, 0, , 1-15.	3.3	0
63	DETERMINATION OF TRITIUM ACTIVITY CONCENTRATION IN WATER IN THE VICINITY OF NUCLEAR FACILITIES IN SERBIA. , 0, , .		0