

# Natasa Todorovic

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

713  
citations

566801

15  
h-index

642321

23  
g-index

65  
all docs

65  
docs citations

65  
times ranked

603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Public exposure to radon in drinking water in SERBIA. <i>Applied Radiation and Isotopes</i> , 2012, 70, 543-549.	0.7	81
2	Radioactivity of the soil in Vojvodina (northern province of Serbia and Montenegro). <i>Journal of Environmental Radioactivity</i> , 2005, 78, 11-19.	0.9	74
3	Exposure to radon in the radon spa NiÅ¼ka Banja, Serbia. <i>Radiation Measurements</i> , 2012, 47, 443-450.	0.7	37
4	The possibility of the phosphogypsum use in the production of brick: Radiological and structural characterization. <i>Journal of Hazardous Materials</i> , 2021, 413, 125343.	6.5	31
5	Radiological characterization of phosphogypsum produced in Serbia. <i>Radiation Physics and Chemistry</i> , 2020, 166, 108463.	1.4	28
6	Airborne radioiodine in northern Serbia from Fukushima. <i>Journal of Environmental Radioactivity</i> , 2012, 114, 89-93.	0.9	24
7	Radioactivity of building materials in Serbia and assessment of radiological hazard of gamma radiation and radon exhalation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 1077-1087.	0.7	24
8	Measurement of Danube sediment radioactivity in Serbia and Montenegro using gamma ray spectrometry. <i>Radiation Measurements</i> , 2006, 41, 477-481.	0.7	21
9	Establishment of a method for measurement of gross alpha/beta activities in water from Vojvodina region. <i>Radiation Measurements</i> , 2012, 47, 1053-1059.	0.7	21
10	Different methods for tritium determination in surface water by LSC. <i>Applied Radiation and Isotopes</i> , 2013, 71, 51-56.	0.7	21
11	Natural radioactivity in raw materials used in building industry in Serbia. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 705-716.	1.8	21
12	Optimization of low-level LS counter Quantulus 1220 for tritium determination in water samples. <i>Radiation Physics and Chemistry</i> , 2014, 98, 69-76.	1.4	20
13	Radioactivity of the Bega sedimentâ€™ case study of a contaminated canal. <i>Applied Radiation and Isotopes</i> , 2005, 63, 261-266.	0.7	19
14	Improvement of measuring methods and instrumentation concerning <sup>222</sup> Rn determination in drinking waters â€™ RAD7 and LSC technique comparison. <i>Applied Radiation and Isotopes</i> , 2015, 98, 117-124.	0.7	17
15	<sup>90</sup> Sr determination in water samples using Ä€erenkov radiation. <i>Journal of Environmental Radioactivity</i> , 2017, 169-170, 197-202.	0.9	16
16	Monitoring for exposures to TENORM sources in Vojvodina region. <i>Radiation Protection Dosimetry</i> , 2011, 144, 655-658.	0.4	13
17	Radionuclide, scintillation cocktail and chemical/color quench influence on discriminator setting in gross alpha/beta measurements by LSC. <i>Journal of Environmental Radioactivity</i> , 2015, 144, 41-46.	0.9	13
18	Measurement of tritium in the Sava and Danube Rivers. <i>Journal of Environmental Radioactivity</i> , 2016, 162-163, 56-67.	0.9	13

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19	Biogenic fraction determination in fuels – Optimal parameters survey. Fuel, 2017, 191, 330-338.	3.4	13
20	Indoor radon in rural dwellings of the South-Pannonian region. Radiation Protection Dosimetry, 2007, 123, 378-383.	0.4	10
21	Possibilities and limitations of color quench correction methods for gross alpha/beta measurements. Applied Radiation and Isotopes, 2017, 122, 164-173.	0.7	10
22	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.	0.7	10
23	First tests of the active shield for a gamma ray spectrometer. Radiation Measurements, 2007, 42, 1361-1367.	0.7	9
24	PSA discriminator influence on <sup>222</sup> Rn efficiency detection in waters by liquid scintillation counting. Applied Radiation and Isotopes, 2016, 112, 80-88.	0.7	9
25	Correlation between radon and radium concentrations in soil and estimation of natural radiation hazards in Namom district, Songkhla province (Southern Thailand). Environmental Earth Sciences, 2017, 76, 1.	1.3	9
26	Concentrations of <sup>226</sup> Ra, <sup>232</sup> Th and <sup>40</sup> K in industrial kaolinized granite. Journal of Environmental Radioactivity, 2017, 168, 10-14.	0.9	9
27	Radioactivity in fertilizers and radiological impact. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 2505.	0.7	7
28	Radon in thermal waters in south-east part of Serbia. Radiation Protection Dosimetry, 2014, 160, 239-243.	0.4	7
29	Natural radioactivity around former uranium mine, Gabrovnica in Eastern Serbia. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 477-482.	0.7	7
30	Evaluation of different LSC methods for <sup>222</sup> Rn determination in waters. Applied Radiation and Isotopes, 2018, 142, 56-63.	0.7	7
31	Heavy metals and radon content in spring water of Kosovo. Scientific Reports, 2020, 10, 10359.	1.6	7
32	Radioactivity in the indoor building environment in Serbia. Radiation Protection Dosimetry, 2014, 158, 208-215.	0.4	6
33	Study on quench effects in liquid scintillation counting during tritium measurements. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 253-259.	0.7	6
34	Isotope analyses of the lake sediments in the Plitvice Lakes, Croatia. Open Physics, 2014, 12, .	0.8	6
35	Angle vs. LabSOCS for HPCe efficiency calibration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 920, 81-87.	0.7	6
36	<sup>210</sup> Pb/ <sup>210</sup> Bi detection in waters by cherenkov counting – perspectives and new possibilities. Radiation Physics and Chemistry, 2020, 166, 108474.	1.4	6

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37	Experimental Studies to Test a Predictive Indoor Radon Model. International Journal of Environmental Research and Public Health, 2022, 19, 6056.	1.2	6
38	Reinvestigation of the irregularities in the 3H decay. Astroparticle Physics, 2013, 47, 38-44.	1.9	5
39	Establishment of rapid LSC method for direct alpha/beta measurements in waters. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 623-627.	0.7	5
40	Radiation exposure to zircon minerals in Serbian ceramic industries. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 949-960.	0.7	5
41	A survey of isotopic composition (2H, 3H, 18O) of groundwater from Vojvodina. Journal of Radioanalytical and Nuclear Chemistry, 2019, 320, 385-394.	0.7	5
42	Application of 90Sr for industrial purposes and dose assessment. Radiation Physics and Chemistry, 2021, 179, 109260.	1.4	5
43	Coincidence Techniques in Gamma-ray Spectroscopy. Physics Procedia, 2012, 31, 84-92.	1.2	4
44	90Sr/90Y determination in milk by Cherenkov radiation after microwave digestion. Journal of Radioanalytical and Nuclear Chemistry, 2019, 320, 679-687.	0.7	4
45	Radiological, structural and chemical characterization of raw materials and ceramic tiles in Serbia. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 861-874.	0.7	4
46	Estimation of absorbed gamma dose rate from granite by Monte Carlo simulation approach. Journal of Radiological Protection, 2020, 40, 596-611.	0.6	4
47	Possibility of Prompt238U Activity Concentration Determination by Gamma-Ray Spectroscopy. Japanese Journal of Applied Physics, 2005, 44, 377-379.	0.8	3
48	Time resolved spectroscopy of cosmic-ray muons induced background. Astroparticle Physics, 2013, 42, 103-111.	1.9	3
49	Establishment of a method for 222Rn determination in water by low-level liquid scintillation counter. Radiation Protection Dosimetry, 2014, 162, 110-114.	0.4	3
50	Radioactivity in drinking water supplies in the Vojvodina region, Serbia, and health implication. Environmental Earth Sciences, 2020, 79, 1.	1.3	3
51	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.	0.7	3
52	Estimating the soil erosion and deposition rate using 137Cs tracer method in the catchment of Drenova reservoir (B&H). Nuclear Technology and Radiation Protection, 2012, 27, 247-253.	0.3	3
53	Potential factors affecting accumulation of unsupported 210Pb in soil. Radiation Physics and Chemistry, 2014, 99, 74-78.	1.4	2
54	Scintillating and wavelength shifting effect investigation of 3-methylpyridinium salicylate and its application in LSC measurements. Applied Radiation and Isotopes, 2021, 172, 109697.	0.7	2

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55	Search for TENORM in the Tisza River Sediment. Journal of Radiation Research, 2008, 49, 241-248.	0.8	1
56	RADIOLOGICAL IMPACTS ASSESSMENT FOR WORKERS IN CERAMIC INDUSTRY IN SERBIA. Radiation Protection Dosimetry, 2017, 176, 411-417.	0.4	1
57	Improved non-destructive method for 90 Sr activity determination in aqueous solutions using Monte Carlo simulation. Applied Radiation and Isotopes, 2018, 137, 199-204.	0.7	1
58	Investigation of fast screening LSC method for monitoring 14C activity in wastewater samples. Radiation Measurements, 2019, 121, 1-9.	0.7	1
59	Cherenkov counting. , 2020, , 393-530.		1
60	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.	0.4	1
61	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.	1.8	0
62	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.	0.3	0
63	DETERMINATION OF TRITIUM ACTIVITY CONCENTRATION IN WATER IN THE VICINITY OF NUCLEAR FACILITIES IN SERBIA. , 0, , .		0
64	Evaluation of patient specific quality assurance of gated field in field radiation therapy technique using two-dimensional detector array. Journal of Health Sciences, 0, , .	0.5	0
65	Cherenkov Radiation Detection on a LS Counter for 226Ra Determination in Water and Its Comparison with Other Common Methods. Materials, 2021, 14, 6719.	1.3	0