

# Chavdar Dutsov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3863623/publications.pdf>

Version: 2024-02-01

20  
papers

106  
citations

1684188

5  
h-index

1372567

10  
g-index

20  
all docs

20  
docs citations

20  
times ranked

34  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the accidental coincidence counting rates in TDCR counting. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 977, 164292.	1.6	19
2	Design and performance of a miniature TDCR counting system. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 583-589.	1.5	16
3	Development and applications of a miniature TDCR acquisition system for in-situ radionuclide metrology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161202.	1.6	12
4	Performance of portable TDCR systems developed at LNE-LNHB. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1034, 166721.	1.6	11
5	In quest of the optimal coincidence resolving time in TDCR LSC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 987, 164846.	1.6	6
6	Study of two different coincidence counting algorithms in TDCR measurements. Applied Radiation and Isotopes, 2019, 154, 108895.	1.5	5
7	Partition Coefficients and Diffusion Lengths of $^{222}\text{Rn}$ in Some Polymers at Different Temperatures. International Journal of Environmental Research and Public Health, 2019, 16, 4523.	2.6	5
8	Evaluation of synthesis conditions for plastic scintillation foils used to measure alpha- and beta-emitting radionuclides. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 135-145.	1.5	5
9	Synthesis and characterisation of scintillating microspheres made of polystyrene/polycarbonate for $^{222}\text{Rn}$ measurements. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 637-649.	1.5	4
10	Unperturbed, high spatial resolution measurement of Radon-222 in soil-gas depth profile. Journal of Environmental Radioactivity, 2019, 196, 253-258.	1.7	4
11	Methods for the experimental study of $^{220}\text{Rn}$ homogeneity in calibration chambers. Applied Radiation and Isotopes, 2020, 165, 109259.	1.5	4
12	Time-domain based evaluation of detection efficiency in liquid scintillation counting. Scientific Reports, 2021, 11, 12424.	3.3	3
13	Measurement of the half-life of excited nuclear states using liquid scintillation counting. Applied Radiation and Isotopes, 2021, 176, 109845.	1.5	3
14	Development of a portable scintillation spectrometer with alpha/beta- and neutron/gamma-pulse-shape discrimination capabilities. , 2018, , .		2
15	Tuning the decay time of liquid scintillators. Journal of Luminescence, 2021, 235, 118021.	3.1	2
16	Study of $^{222}\text{Rn}$ Absorption and Detection Properties of EJ-212 and BC-400 Plastic Scintillators. IEEE Transactions on Nuclear Science, 2017, , 1-1.	2.0	2
17	Significance of the corrections for accidental coincidences in liquid scintillation counting measurements. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 3303-3311.	1.5	2
18	Electronic circuits for the high voltage supply and additional sensors for the polyphemus $^{222}\text{Rn}$ in soil-gas scintillation detector. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	High Voltage Power Supply for Photomultipliers with Extended Functionality. , 2018, , .		0
20	Characterization of filters for efficiency variation in TDCR. , 2018, , .		0