

Chavdar Dutsov

List of Publications by Year in descending order

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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	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
2	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
3	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
4	Time-domain based evaluation of detection efficiency in liquid scintillation counting. Scientific Reports, 2021, 11, 12424.	3.3	3
5	Tuning the decay time of liquid scintillators. Journal of Luminescence, 2021, 235, 118021.	3.1	2
6	Measurement of the half-life of excited nuclear states using liquid scintillation counting. Applied Radiation and Isotopes, 2021, 176, 109845.	1.5	3
7	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
8	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
9	Methods for the experimental study of ²²⁰ Rn homogeneity in calibration chambers. Applied Radiation and Isotopes, 2020, 165, 109259.	1.5	4
10	Study of two different coincidence counting algorithms in TDCR measurements. Applied Radiation and Isotopes, 2019, 154, 108895.	1.5	5
11	Partition Coefficients and Diffusion Lengths of ²²² Rn in Some Polymers at Different Temperatures. International Journal of Environmental Research and Public Health, 2019, 16, 4523.	2.6	5
12	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
13	Unperturbed, high spatial resolution measurement of Radon-222 in soil-gas depth profile. Journal of Environmental Radioactivity, 2019, 196, 253-258.	1.7	4
14	High Voltage Power Supply for Photomultipliers with Extended Functionality. , 2018, , .		0
15	Development of a portable scintillation spectrometer with alpha-/beta- and neutron-/gamma-pulse-shape discrimination capabilities. , 2018, , .		2
16	Characterization of filters for efficiency variation in TDCR. , 2018, , .		0
17	Design and performance of a miniature TDCR counting system. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 583-589.	1.5	16
18	Synthesis and characterisation of scintillating microspheres made of polystyrene/polycarbonate for ²²² Rn measurements. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 637-649.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Electronic circuits for the high voltage supply and additional sensors for the polyphemus ^{222}Rn in soil-gas scintillation detector. , 2017, , .		1
20	Study of ^{222}Rn Absorption and Detection Properties of EJ-212 and BC-400 Plastic Scintillators. IEEE Transactions on Nuclear Science, 2017, , 1-1.	2.0	2