1	V. Todorov, P. Cassette, Ch. Dutsov, B. Sabot, S. Georgiev, K. Mitev	A study of the non-uniformity of the PMT photocathode response and its influence on the results obtained in different scintillation counting experiments	2023
2	I. Dimitrova, S. Georgiev, K. Mitev, V. Todorov, Ch. Dutsov, B. Sabot	Study of the performance and time response of the RadonEye Plus2 continuous radon monitor	2023
3	Todorov, Vladislav T., Dutsov, Chavdar Ch, Cassette, Philippe, Mitev, Krasimir K.	Effects of the photocathode non-uniformity on radon measurements by plastic scintillation spectrometry	2022
4	Sabot, Benoit, Dutsov, Chavdar, Cassette, Philippe, Mitev, Krasimir	Performance of portable TDCR systems developed at LNE-LNHB	2022
5	K. Mitev, S. Georgiev, I. Dimitrova, V. Todorov, A. Popova, Ch. Dutsov, B. Sabot	Recent work with electronic radon detectors for continuous Radon-222 monitoring	2022
6	Dutsov, Chavdar, Sabot, Benoit, Cassette, Philippe, Mitev, Krasimir	Significance of the corrections for accidental coincidences in liquid scintillation counting measurements	2022
7	T. Turtiainen, K. Mitev, R. Dehqanzada, O. Holmgren, S. Georgiev	Testing of thoron cross-interference of continuous radon measuring instruments	2022
8	K. Mitev, P. Cassette	Radioactive Noble Gas Detection and Measurement with Plastic Scintillators in PLASTIC SCINTILLATORS: CHEMISTRY AND APPLICATIONS	2021
9	K. Mitev, S. Georgiev, B. Sabot	Approaches for reduction of the temperature bias on radon detectors packed in anti-thoron polymer membranes	2021
10	Ch. Dutsov, P. Cassette, K. Mitev, B. Sabot	In quest of the optimal coincidence resolving time in TDCR LSC	2021
11	Ch. Dutsov, B. Sabot, P. Cassette, K. Mitev	Measurement of the half-life of excited nuclear states using liquid scintillation counting	2021

12	K. Mitev, Ch. Dutsov, P. Cassette, B. Sabot	Time-domain based evaluation of detection efficiency in liquid scintillation counting	2021
13	M. Hamel, B. Sabot, Ch. Dutsov, G. H.V. Bertrand, K. Mitev	Tuning the decay time of liquid scintillators	2021
14	V. Jordanov, P. Cassette, Ch. Dutsov, K. Mitev	Development and applications of a miniature TDCR acquisition system for in-situ radionuclide metrology	2020
15	Ch. Dutsov, P. Cassette, B. Sabot, K. Mitev	Evaluation of the accidental coincidence counting rates in TDCR counting	2020
16	Mitev, K., Cassette, P., Pressyanov, D., Georgiev, S., Dutsov, Ch, Michielsen, N., Sabot, B.	Methods for the experimental study of Rn-220 homogeneity in calibration chambers	2020
17	P. Cassette, A. Arinc, M. Capogni, P. De Felice, C. Dutsov, R. Galea, E. Garcia-Toraño, K. Kossert, J. Liang, K. Mitev	Results of the CCRI(II)-K2. H-3 key comparison 2018: measurement of the activity concentration of a tritiated-water source	2020
18	R. Merin, A. Tarancon, K. Mitev, S. Georgiev, Ch. Dutsov, H. Bagan, J. F. Garcia	Evaluation of synthesis conditions for plastic scintillation foils used to measure alpha- and beta- emitting radionuclides	2019
19	D. Pressyanov, I. Dimitrova, K. Mitev, S. Georgiev, D. Dimitrov	Identifying radon priority areas and dwellings with radon exceedances in Bulgaria using stored CD/DVDs.	2019
20	S. Georgiev, K. Mitev, Ch. Dutsov, T. Boshkova, I. Dimitrova	Partition Coefficients and Diffusion Lengths of Rn-222 in Some Polymers at Different Temperatures	2019
21	Ch. Dutsov, K. Mitev, P. Cassette, V. Jordanov	Study of two different coincidence counting algorithms in TDCR measurements	2019
22	D. Pressyanov, L. Quindos Poncela, S. Georgiev, I. Dimitrova, K. Mitev, C. Sainz, I. Fuente, D. Rabago	Testing and Calibration of CDs as Radon Detectors at Highly Variable Radon Concentrations and Temperatures	2019

23	K. Mitev, Ch. Dutsov, S. Georgiev, T. Boshkova, D. Pressyanov	Unperturbed, high spatial resolution measurement of Radon-222 in soil-gas depth profile	2019
24	Dutsov, Chavdar, Mitev, Krasimir, Cassette, Philippe	Characterization of filters for efficiency variation in TDCR	2018
25	Mitev, Krasimir K., Dutsov, Chavdar Ch, Tsankov, Ludmil T., Mitev, Mityo G., Markov, Nikolay M., Todorov, Todor Hr, Georgiev, Strahil B.	Design and Field Tests of Scintillation Spectrometer for Continuous Radon in Soil-gas Monitoring	2018
26	Mitev, K., Jordanov, V, Hamel, M., Dutsov, Ch, Georgiev, S., Cassette, P.	Development of a portable scintillation spectrometer with alpha-/beta- and neutron-/gamma-pulse-shape discrimination capabilities	2018
27	K. Mitev, P. Cassette, I. Tartes, S. Georgiev, I. Dimitrova, D. Pressyanov	Diffusion lengths and partition coefficients of Xe-131m and Kr-85 in Makrofol N and Makrofol DE polycarbonates	2018
28	K. Mitev, S. Georgiev, I. Dimitrova, D. Pressyanov	Radon-222 in soil-gas measurements by compact discs. Comparison to diffusion chamber measurements	2018
29	K. Mitev, Ch. Dutsov	Създаване на TDCR система за абсолютно измерване на активност във Физическия факултет на Софийския Университет "Св. КЛимент Охридски"	2018
30	K. Mitev, P. Cassette, V. Jordanov, H. R. Liu, Ch. Dutsov	Design and performance of a miniature TDCR counting system	2017
31	K. Mitev, L. Tsankov, M. Mitev, Ch. Dutsov, S. Georgiev, S. Kolev, N. Markov, T. Todorov	Design and Tests of a Detector for Rn-222 in Soil-gas Measurements based on Rn-222 Absorbing Scintillating Polymers	2017
32	Ch. Dutsov, M. Mitev, L. Tsankov, K. Mitev	Electronic Circuits for the High Voltage Supply and Additional Sensors for the Polyphemus 222Rn in Soil-Gas Scintillation Detector	2017

33	Dutsov, Chavdar, Mitev, Mityo, Tsankov, Ludmil, K. K. Mitev	Electronic Circuits for the High Voltage Supply and Additional Sensors for the Polyphemus Rn-222 in Soil-Gas Scintillation Detector	2017
34	D. Pressyanov, K. Mitev, S. Georgiev, I. Dimitrova, J. Kolev	Laboratory facility to create reference radon plus thoron atmosphere under dynamic exposure conditions	2017
35	K. Mitev, Ch. Dutsov, S. Georgiev, L. Tsankov, T. Boshkova	Study of Rn-222 Absorption and Detection Properties of EJ-212 and BC-400 Plastic Scintillators	2017
36	E. Pelay, A. Tarancon, K. Mitev, Ch. Dutsov, S. Georgiev, L. Tsankov, J. F. Garcia	Synthesis and characterisation of scintillating microspheres made of polystyrene/polycarbonate for Rn-222 measurements	2017