

Списък на всички публикации
на Страхил Бойчев Георгиев

No	Публикация	Съществен принос	Точки	Група
	Публикации в реномирани издания от групи I, II и III, съгласно допълнителните изисквания на ФзФ			
A1	L. Tsankov, D. Pressyanov, K. Mitev, S. Georgiev, I. Dimitrova. <i>Automatic counting of chemically etched tracks by means of a computer scanner</i> . Radiat. Meas. 39 (2005) 557-559. (Q1)		25	I
A2	D. Pressyanov, I. Dimitrova, S. Georgiev, E. Hristova, K. Mitev. <i>Measurement of radon-222 in water by absorption in Makrofol</i> . Nucl. Instrum. Meth. A 574 (2007) 202-204. (Q1)		25	I
A3	K. Mitev, Y. Madzhunkov, G. Gerganov, I. Dimitrova, S. Georgiev, D. Pressyanov. <i>An algorithm for automatic counting of electrochemically etched tracks in compact disks used for retrospective measurements of radon-222</i> . 2008 Nuclear Science Symposium, Dresden, Germany 19-25 Oct. 2008. IEEE-NSS Conf. record, 827-832. (SJR)		10	III
A4	D. Pressyanov, K. Mitev, S. Georgiev, I. Dimitrova. <i>Sorption and desorption of radioactive noble gases in polycarbonates</i> . Nucl. Instrum. Meth. A 598 (2009) 620-627. (Q1)		25	I
A5	K. Mitev, D. Pressyanov, I. Dimitrova, S. Georgiev, T. Boshkova, V. Zhivkova. <i>Measurement of krypton-85 in water by absorption in polycarbonates</i> . Nucl. Instrum. Meth. A 603 (2009) 491-494. (Q1)		25	I
A6	D. Pressyanov, K. Mitev, S. Georgiev, I. Dimitrova. <i>Radon mapping by retrospective measurements – an approach based on CDs/DVDs</i> . J. Env. Radioact. 101 (2010) 821-825. (Q1)		25	I
A7	K. Mitev, Y. Madzhunkov, G. Gerganov, I. Dimitrova, S. Georgiev, D. Pressyanov. <i>Automatic Counting of Electrochemically Etched Tracks in Compact Disks. Application to Retrospective Measurements of Rn-222</i> . IEEE Trans. Nucl. Sci. 57(1) (2010) 300-308. (Q1)		25	I
A8	D. Pressyanov, K. Mitev, I. Dimitrova, S. Georgiev. <i>Solubility of krypton, xenon and radon in polycarbonates. Application for measurements of their radioactive isotopes</i> . Nucl. Instrum. Meth. A 629 (2011) 323-328. (Q1)		25	I
A9	I. Dimitrova, K. Mitev, D. Pressyanov, S. Georgiev, T. Boshkova. <i>Measurements of ²²²Rn and ²²⁶Ra in water by absorption of radon in polycarbonates and etching alpha-tracks</i> . Radiat. Meas. 46 (2011) 119-126. (Q1)		25	I
A10	I. Dimitrova, D. Pressyanov, S. Georgiev, P. Yankov, <i>Logistic of Surveys of Retrospective Radon Concentrations by Home-stored CDs/DVDs</i> , Rad. Prot. Dosim. 145(2-3) (2011) 300-304. (Q2)		20	I

A11	D. Pressyanov, S. Georgiev, I. Dimitrova, K. Mitev, T. Boshkova, <i>Determination of the Diffusion Coefficient and Solubility of Radon in Plastics</i> , Rad. Prot. Dosim. 145(2-3) (2011) 123-126. (Q2)		20	I
A12	S. Georgiev, K. Mitev, D. Pressyanov, T. Boshkova, I. Dimitrova, <i>Measurement of Xe-133 in Air by Absorption in Polycarbonates - Detection Limits and Potential Applications</i> . 2011 Nuclear Science Symposium, Valencia, Spain 23-29 October 2011. IEEE-NSS Conf. record, 290-292. (SJR)	да	10	III
A13	K. Mitev, R. Tsibranski, V. Avramov, B. Stoenelova, I. Dimitrova, T. Boshkova, S. Georgiev. <i>Measurements of ¹³¹I, ¹³⁴Cs and ¹³⁷Cs in environmental samples in Bulgaria after the Fukushima accident</i> . 2011 Nuclear Science Symposium, Valencia, Spain 23-29 October 2011. IEEE-NSS Conf. record, 1256-1260. (SJR)		10	III
A14	51. I. Dimitrova, K. Mitev, V. Zhivkova, S. Georgiev, G. Gerganov, D. Pressyanov. <i>Measurements of Rn-222 in Water by Liquid Scintillation Counting of Polycarbonates</i> . 2011 Nuclear Science Symposium, Valencia, Spain 23-29 October 2011. IEEE-NSS Conf. record, 183-187. (SJR)		10	III
A15	S. Georgiev, K. Mitev, D. Pressyanov, I. Dimitrova, T. Boshkova, <i>Numerical modelling of the activity concentration measurements of beta-radioactive noble gases by absorption in polycarbonates and external beta-counting</i> . Rad. Meas., 47 (2012) 303-310. (Q2)	да	20	I
A16	K. Mitev, I. Dimitrova, V. Zhivkova, S. Georgiev, G. Gerganov, D. Pressyanov, T. Boshkova, <i>Measurements of Rn-222 in water by absorption in polycarbonates and liquid scintillation counting</i> , Nucl. Instrum. Meth. A 677 (2012) 31-40. (Q1)		25	I
A17	S. Georgiev, I. Dimitrova, D. Pressyanov, K. Mitev. <i>Retrospective Rn-220 measurements by compact discs</i> , 2012 Nuclear Science Symposium, Anaheim, USA 28 Oct. - 03 Nov. 2012. IEEE-NSS Conf. record 250-252. (SJR)	да	10	III
A18	I. Dimitrova, S. Georgiev, K. Mitev, D. Pressyanov. <i>Influence of the Water Temperature on Direct Measurements of Rn-222 in Water by Liquid Scintillation Counting of Polycarbonates</i> , 2012 Nuclear Science Symposium, Anaheim, USA 28 Oct. - 03 Nov. 2012. IEEE-NSS Conf. record 1941-1944. (SJR)		10	III
A19	D. Pressyanov, E. Foerster, S. Georgiev, I. Dimitrova, K. Mitev <i>Traceability of CDs/DVDs used as retrospective ²²²Rn detectors to reference STAR laboratory</i> Rad. Meas. 59 (2013) 165-171. (Q2)		20	I
A20	D. Pressyanov, I. Dimitrova, S. Georgiev, K. Mitev, <i>Pilot experiments on retrospective thoron measurements by CDs/DVDs</i> . Rad. Meas. 50 (2013) 218-222. (Q2)		20	I

A21	D. Pressyanov, S. Georgiev, I. Dimitrova, K. Mitev, <i>Experimental study of the response of radon track detectors with solid absorbers as radiators</i> . Rad. Meas. 50 (2013) 141-144. (Q2)		20	I
A22	I. Dimitrova, K. Mitev, T. Boshkova, S. Georgiev. <i>An Approach to Study the Distribution of Radon in Natural Materials Containing Radium</i> , 2013 Nuclear Science Symposium, Seoul, Korea 27 Oct. - 2 Nov. 2013. IEEE-NSS Conf. Record 1-5 (SJR)		10	III
A23	K. Mitev, V. Zhivkova, D. Pressyanov, S. Georgiev, I. Dimitrova, G. Gerganov, T. Boshkova, <i>Liquid scintillation counting of polycarbonates: A sensitive technique for measurement of activity concentration of some radioactive noble gases</i> , Appl. Rad. Isot. 93 (2014) 87-95. (Q1)		25	I
A24	K. Mitev, S. Georgiev, D. Pressyanov, I. Dimitrova, T. Boshkova, V. Zhivkova <i>A High-sensitivity Method for the Measurement of ²²²Rn Based on Liquid Scintillation Counting of Polycarbonate Powder</i> , Rad. Prot. Dosim. 160 (2014) 188-191.(Q2)	да	20	I
A25	D. Pressyanov, D. Dimitrov, I. Dimitrova, S. Georgiev, K. Mitev <i>Novel approaches in radon and thoron dosimetry</i> AIP Conf. Proc. 1607 (2014) 24-31. (SJR)		10	III
A26	D. Pressyanov, K. Mitev, S. Georgiev, I. Dimitrova <i>Optimization of etching conditions of CDs/DVDs used as detectors for ²²²Rn</i> Rad. Meas. 83 (2015) 36-40. (Q2)		20	I
A27	D. Pressyanov, P. Kovacheva, K. Mitev, S. Georgiev. <i>Common organics as samples to measure radioxenon after nuclear emergency</i> , 2015 Nuclear Science Symposium, San Diego, USA 31 Oct. - 07 Nov. 2015. IEEE-NSS Conf. Record 1-3. (SJR)		10	III
A28	D. Pressyanov, D. Dimitrov, S. Georgiev, I. Dimitrova <i>Tests of CDs/DVDs as Passive Radon and Thoron Detectors for Mines and Caves</i> , 2015 Nuclear Science Symposium, San Diego, USA 31 Oct. - 07 Nov. 2015. IEEE-NSS Conf. Record 1-3. (SJR)		10	III
A29	S. Georgiev, I. Dimitrova, D. Pressyanov, K. Mitev <i>Retrospective Rn-220 Measurements by Compact Discs</i> IEEE Trans. Nucl. Sci. 63(1) (2016) 333-340. (Q2)	да	20	I
A30	K. Mitev, I. Dimitrova, A. Tarancón, D. Pressyanov, L. Tsankov, T. Boshkova, S. Georgiev, R. Sekalova, J. García. <i>Pilot Study of the Application of Plastic Scintillation Microspheres to Rn-222 Detection and Measurement</i> IEEE Trans. Nucl. Sci. 63(2) (2016) 1209-1217. (Q2)		20	I
A31	I. Dimitrova, S. Georgiev, D. Pressyanov, B.Sabot, N. Michielsen, S. Bondiguel, K. Mitev <i>Influence of the type of CD case on the track density distribution in CDs exposed to thoron</i> Appl. Rad. Isot. 109 (2016) 393–396. (Q2)		20	I

A32	K. Mitev, P. Cassette, S. Georgiev, I. Dimitrova, B. Sabot, T. Boshkova, I. Tartès, D. Pressyanov <i>Determination of ²²²Rn absorption properties of polycarbonate foils by liquid scintillation counting. Application to ²²²Rn measurements</i> Appl. Rad. Isot.109 (2016) 270–275. (Q2)		20	I
A33	K. Mitev, S. Georgiev, I. Dimitrova, D. Pressyanov <i>Application of scintillation counting using polycarbonates to radon measurements</i> Rad. Meas. 92 (2016) 32-38. (Q1)		25	I
A34	I. Dimitrova, S. Georgiev, D. Pressyanov, T. Boshkova, F. Vassileva <i>Diffusion Length of Rn-222 in Home-Stored CDs/DVDs – Influence on Rn-222 and Rn-220 Measurements</i> 2016 Nuclear Science Symposium, Strasbourg, France 29 Oct.-5 Nov. 2016 IEEE-NSS Conf. Record 1-5 (SJR)		10	III
A35	E. Pelay. A. Tarancon, K. Mitev Ch. Dutsov, S. Georgiev, L. Tsankov, J. F. Garcia, <i>Synthesis and characterisation of scintillating microspheres made of polystyrene/polycarbonate for ²²²Rn measurements</i> , J Radioanal Nucl Chem 314 (2017) 637–649. (Q2)		20	I
A36	K. Mitev, Ch. Dutsov, S. Georgiev, L. Tsankov, T. Boshkova <i>Study of ²²²Rn Absorption and Detection Properties of EJ-212 and BC-400 Plastic Scintillators</i> IEEE Trans. Nucl. Sci. 64(6) (2017) 1592-1598. (Q1)		25	I
A37	D. Pressyanov, K. Mitev, S. Georgiev, I. Dimitrova, J. Kolev <i>Laboratory facility to create reference radon + thoron atmosphere under dynamic exposure conditions</i> , J. Env. Radioact. 166 (2017) 181-187. (Q2)		20	I
A38	K. Mitev, S. Georgiev, I. Dimitrova, D. Pressyanov <i>Radon-222 in Soil-gas Measurements by Compact Discs. Comparison to Diffusion Chamber Measurements</i> Rad. Prot. Dosim. 181(1) (2018) 38-41. (Q3)		15	II
A39	K. Mitev, P. Cassette, I. Tartès, S. Georgiev, I. Dimitrova, D. Pressyanov <i>Diffusion Lengths and Partition Coefficients of ^{131m}Xe and ⁸⁵Kr in Makrofol N and Makrofol DE Polycarbonates</i> Appl. Rad. Isot.134 (2018) 269–274. (Q2)		20	I
A40	K. Mitev, Ch. Dutsov, S. Georgiev, T. Boshkova, D. Pressyanov <i>Unperturbed, High Spatial Resolution Measurement of Radon-222 in Soil-gas Depth Profile</i> , J. Env. Radioact. 196 (2019) 253-258. (Q1)		25	I
A41	D. Pressyanov, L. Quindos Poncela, S. Georgiev, I. Dimitrova, K. Mitev, C. Sainz, I. Fuente, D. Rabago, <i>Testing and Calibration of CDs as Radon Detectors at Highly Variable Radon Concentrations and Temperatures</i> . Int. J. Environ. Res. Public Health 16 (17), (2019) 3038. (Q2)		20	I
A42	S. Georgiev, K. Mitev, Ch. Dutsov, T. Boshkova, I. Dimitrova, <i>Partition Coefficients and Diffusion Lengths of ²²²Rn in Some Polymers at Different Temperatures</i> Int. J. Environ. Res. Public Health 16 (22), (2019), 4523. (Q2)	да	20	I

A43	D. Pressyanov, I. Dimitrova, K. Mitev, S. Georgiev, D. Dimitrov <i>Identifying Radon Priority Areas and Dwellings with Radon Exceedance in Bulgaria Using Stored CD/DVDs</i> , J. Env. Radioact. 196 (2019) 274-280. (Q1)		25	I
A44	E R. Merín, A. Tarancón, K. Mitev, S. Georgiev, Ch. Dutsov, H. Bagán, J. F. García <i>Evaluation of synthesis conditions for plastic scintillation foils used to measure alpha- and beta-emitting radionuclides</i> J. Radioanal Nucl. Chem. 319 (2019) 135-145. (Q2)		20	I
A45	K. Mitev, P. Cassette, D. Pressyanov, S. Georgiev, Ch. Dutsov, N. Michielsen, B. Sabot, <i>Method for the experimental study of ²²⁰Rn homogeneity in calibration chambers</i> Appl. Rad. Isot. 165 (2020) 109259 (Q2)		20	I
A46	K. Mitev, S. Georgiev, B. Sabot, <i>Approaches for reduction of the temperature bias on radon detectors packed in antithoron polymer membranes</i> Appl. Rad. Isot. 177 (2021) 109915 (Q2-2020)	да	20	I
	Глава от книга			
B1	D. Pressyanov, I. Dimitrova, K. Mitev, S. Georgiev (2012) <i>Retrospective radon measurements: techniques and perspectives.</i> Chapter 4 IN: Handbook on Radon: Properties, Measurements and Health Effects. Editors: Z. Li, C. Feng, Nova Science Publishers, Inc., New York, ISBN: 978-1-62100-369-4		15	I (глава от книга)
	Сборници от национални и международни конференции			
C1	I. Dimitrova, K. Mitev, D. Pressyanov, S. Georgiev. Desorption of ²²² Rn from Polycarbonate Samples. Trans. BgNS 12 (2008) 33-37			
C2	S. Georgiev, D. Pressyanov, K. Mitev, I. Dimitrova. Calibration of Diffusion Chambers for Measuring ²²² Rn in Air. Trans. BgNS 12 (2008) 3-6	да		
C3	D. Pressyanov, S. Georgiev, K. Mitev, I. Dimitrova. Measuring radon in air, water and soil gas by absorption in polycarbonates. Proc. 33rd Int. Geological Congress, Oslo 6-14 August 2008, p. 245, Conf. record: EGG03747P			
C4	D. Pressyanov, I. Dimitrova, S. Georgiev, K. Mitev. Measurement of ²²² Rn by absorption in polycarbonates - research and practice. Proc. 18th AARST International Radon Symposium, Las Vegas, 14 – 17 September 2008, p. 1			
C5	I. Dimitrova, S. Georgiev, K. Mitev, D. Pressyanov. Calibration of compact disks for measurement of Rn-222 in air. Proc. 19th National Science Symposium Metrology and Metrology Assurance 2009. In Bulgarian			

C6	S. Georgiev, I. Dimitrova, D. Pressyanov, K. Mitev. Measurements of Rn-222 in homes and in soil gas by polycarbonates. Proc. 19th National Science Symposium Metrology and Metrology Assurance 2009. In Bulgarian	да
C7	S. Georgiev, I. Dimitrova, T. Boshkova, K. Mitev, D. Pressyanov, Determination of the Efficiency for Registration of Alpha-particles of the Experimental Set-up for Gross Beta-counting UMF-1500, Proc. 20th National Science Symposium Metrology and Metrology Assurance 2010. In Bulgarian.	да
C8	I. Dimitrova, S. Georgiev, K. Mitev, T. Boshkova, D. Pressyanov, Correction for Finite Sample Volume in 222Rn in Water Measurements by Absorption in Polycarbonates, Proc. 20th National Science Symposium Metrology and Metrology Assurance 2010. In Bulgarian.	
C9	D. Pressyanov, I. Dimitrova, S. Georgiev, K. Mitev, Radon Survey based on home stored CDs/DVDs, Proc. 3rd European IRPA Congress 2010 June 14-18, Helsinki, Finland :P03-14.	
C10	С. Георгиев, К. Митев, Д. Пресиянов, Г. Герганов, И. Димитрова. Компютърен код за прецизно пресмятане на активността и дълбочинното разпределение на радиоактивни благородни газове абсорбирани в поликарбонати. Сборник доклади от XXI национален научен симпозиум Метрология и метрологично осигуряване 2011, стр. 278-284	да
C11	И. Димитрова, К. Митев, С. Георгиев, В. Живкова, М. Илиев, Г. Нешовска, Т. Бошкова, Г. Маринов. Междулабораторно сравнение по измерване на Радон-222 във води чрез гама-спектрометрия и течносцинтилационно броене. Сборник доклади от XXI национален научен симпозиум Метрология и метрологично осигуряване 2011, стр. 253-258.	
C12	С. Георгиев, К. Митев, И. Димитрова, Д. Пресиянов, Компютърен код за прецизно пресмятане на активността на радиоактивни благородни газове абсорбирани в поликарбонатни гранули. Сборник доклади от XXII национален научен симпозиум Метрология и метрологично осигуряване 2012, стр. 233-238	да
C13	И. Димитрова, К. Митев, С. Георгиев, Д. Пресиянов, Система за създаване на референтни обемни активности на Rn-222 във въздух на базата на радонов монитор RAD7. Сборник доклади от XXII национален научен симпозиум Метрология и метрологично осигуряване 2012, стр. 244-249.	

C14	К. Митев, И. Димитрова, С. Георгиев, И. Павлова, С. Илиева, Д. Дамянов, Г. Герганов, Калибриране на течносцинтилационен спектрометър RackBeta-Spectral 1219 за измерване на концентрацията на във ^{222}Rn води. Сборник доклади от XXII национален научен симпозиум Метрология и метрологично осигуряване 2012, стр. 239-243.	
C15	I. Dimitrova, S. Georgiev, D. Pressyanov, B. Sabot, N. Michielsen, S. Bondiguel, K. Mitev, P. Cassette Influence of the type of CD case on the track density distribution in CDs exposed to thoron 20th International Conference on Radionuclide Metrology and its Applications, 8-11 Jun. 2015 Vienna, Austria	
C16	K. Mitev, I. Dimitrova, S. Georgiev, D. Pressyanov, T. Boshkova, A posteriori high ^{222}Rn concentration calibration of compact disks for retrospective ^{222}Rn measurements 20th International Conference on Radionuclide Metrology and its Applications, 8-11 Jun. 2015 Vienna, Austria	
C17	K. Mitev, P. Cassette, S. Georgiev, I. Dimitrova, B. Sabot, T. Boshkova, I. Tartès, D. Pressyanov Determination of ^{222}Rn absorption properties of polymer foils by TDCR counting. Application to ^{222}Rn measurements, 20th International Conference on Radionuclide Metrology and its Applications, 8-11 Jun. 2015 Vienna, Austria	
C18	D. Pressyanov, K. Mitev, I. Dimitrova, S. Georgiev, J. Kolev Laboratory infrastructure for radon and thoron measurements by CDs/DVDs International conference Environmental Radioactivity, 21-25 Sept. 2015 (ENVIRA2015) Thessaloniki, Greece	
C19	D. Pressyanov, D. Dimitrov, S. Georgiev, I. Dimitrova Tests of CDs/DVDs as Passive Radon and Thoron Detectors for Mines and Caves, 2015 Nuclear Science Symposium, San Diego, USA 31 Oct. - 07 Nov. 2015. IEEE-NSS Conf. Record N4A3-3	
C20	K. Mitev, P. Cassette, I. Tartès, S. Georgiev, I. Dimitrova, D. Pressyanov Diffusion lengths and partition coefficients of ^{131}mXe and ^{85}Kr in Makrofol N and Makrofol DE. 21st International Conference on Radionuclide Metrology and its Applications, 15-19 May 2017. Buenos Aires - Argentina	
C21	D. Pressyanov, I. Dimitrova, K. Mitev, S. Georgiev, D. Dimitrov Challenges in the radon field addressed by the CD/DVD method for retrospective radon and thoron measurements, 2017 Third East-European Radon Symposium, 15-19 May 2017 (TEERAS 2017), Sofia, Bulgaria	
C22	I. Dimitrova, S. Georgiev, K. Mitev, D. Pressyanov, B. Sabot, N. Michielsen, S. Bondiguel Study of the Influence of Environmental Factors on the Retrospective Measurement of Thoron by CDs/DVDs, 2017 Third East-European Radon Symposium, 15-19 May 2017 (TEERAS 2017), Sofia, Bulgaria	

C23	K. Mitev, S. Georgiev, I. Dimitrova, D. Pressyanov 222Rn in soil gas measurements by compact disks. Comparison to diffusion chamber measurements. 2017 Third East-European Radon Symposium, 15-19 May 2017 (TEERAS 2017), Sofia, Bulgaria	
C24	S. Georgiev, I. Dimitrova, K. Mitev, D. Pressyanov Study on the a posteriori calibration of CDs for retrospective thoron measurements. 2017 Third East-European Radon Symposium, 15-19 May 2017 (TEERAS 2017), Sofia, Bulgaria	да
C25	K. Mitev, Ch. Dutsov, S. Georgiev, D. Pressyanov Measurement of the depth-distribution of 222Rn in soil-gas by absorption in polycarbonates and liquid scintillation counting 2017 Third East-European Radon Symposium, 15-19 May 2017 (TEERAS 2017), Sofia, Bulgaria	
C26	K. Mitev, L. Tsankov, M. Mitev, Ch. Dutsov, S. Georgiev, S. Kolev, N. Markov, T. Todorov, Design and Tests of a Detector for 222Rn in Soil-gas Measurements based on 222Rn Absorbing Scintillating Polymers, 2017 IEEE Nuclear Science Symposium and Medical Imaging Conference, Atlanta (GA) USA, 21-28 Oct. 2017 IEEE-NSS Conf. Record	
C27	K. Mitev, V. Jordanov, M. Hamel, Ch. Dutsov, S. Georgiev, P. Cassette, Development of a portable scintillation spectrometer with alpha-/beta- and neutron-/gamma- pulse-shape discrimination capabilities 2018 IEEE Nuclear Science Symposium and Medical Imaging Conference, Sydney, Australia, 10-17 Nov. 2018. IEEE-NSS Conf. Record	
C28	K. Mitev, Ch. Dutsov, L. Tsankov, S. Georgiev, M. Mitev, N. Markov, T. Todorov, Design and Field Tests of Scintillation Spectrometer for Continuous Radon in Soil-gas Monitoring 2018 IEEE Nuclear Science Symposium and Medical Imaging Conference, Sydney, Australia, 10-17 Nov. 2018. IEEE-NSS Conf. Record	