

# Ryszard Broda

## List of Publications by Year in descending order

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papers

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33  
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docs citations

33  
times ranked

207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radionuclide metrology using liquid scintillation counting. Metrologia, 2007, 44, S36-S52.	1.2	238
2	Calculation of liquid-scintillation detector efficiency. International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes, 1988, 39, 159-164.	0.5	69
3	Standardization of pure beta emitters by liquid-scintillation counting. International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes, 1988, 39, 165-172.	0.5	69
4	A review of the triple-to-double coincidence ratio (TDCR) method for standardizing radionuclides. Applied Radiation and Isotopes, 2003, 58, 585-594.	1.5	66
5	Analysis of detection-efficiency variation techniques for the implementation of the TDCR method in liquid scintillation counting. Applied Radiation and Isotopes, 2000, 52, 643-648.	1.5	38
6	Uncertainty determination for activity measurements by means of the TDCR method and the CIEMAT/NIST efficiency tracing technique. Metrologia, 2015, 52, S172-S190.	1.2	37
7	The enhanced triple to double coincidence ratio (ETDCR) method for standardization of radionuclides by liquid scintillation counting. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 312, 85-89.	1.6	36
8	Comparison of activity concentration measurement of $^{63}\text{Ni}$ and $^{55}\text{Fe}$ in the framework of the EUROMET 297 project. Applied Radiation and Isotopes, 1998, 49, 1403-1410.	1.5	27
9	A simple computing program for application of the TDCR method to standardization of pure-beta emitters. Applied Radiation and Isotopes, 2000, 52, 673-678.	1.5	26
10	Study of the influence of the LS-cocktail composition for the standardisation of radionuclides using the TDCR model. Applied Radiation and Isotopes, 2002, 56, 285-289.	1.5	24
11	International comparison of measurements of the specific activity of tritiated water. Applied Radiation and Isotopes, 1998, 49, 1411-1416.	1.5	17
12	A new $^4\text{He}(\text{LS})\text{-}\hat{\beta}^3$ coincidence counter at NCBJ RC POLATOM with TDCR detector in the beta channel. Applied Radiation and Isotopes, 2016, 109, 290-295.	1.5	17
13	The IFIN-HH triple coincidence liquid scintillation counter. Applied Radiation and Isotopes, 2006, 64, 1510-1514.	1.5	16
14	The international reference system for pure $\hat{\beta}^2$ -particle emitting radionuclides: an investigation of the reproducibility of the results. Metrologia, 2020, 57, 035009.	1.2	15
15	Comparison of triple-to-double coincidence ratio (TDCR) efficiency calculations and uncertainty assessments for $^{99}\text{Tc}$ . Applied Radiation and Isotopes, 2010, 68, 1477-1481.	1.5	12
16	Statistics of the LS-detector in the case of low counting efficiency. Applied Radiation and Isotopes, 2004, 60, 453-458.	1.5	10
17	Standardization of $^{139}\text{Ce}$ by the liquid scintillation counting using the triple to double coincidence ratio method. Applied Radiation and Isotopes, 1998, 49, 1035-1040.	1.5	9
18	The new international reference system for pure $\hat{\beta}^{\pm}$ - and pure $\hat{\beta}^2$ -emitting radionuclides and some electron capture decaying radionuclides by liquid scintillation counting. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 3221-3230.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Study of the stability of <sup>63</sup> Ni sources in Ultima Gold <sup>®</sup> liquid scintillation cocktail. Applied Radiation and Isotopes, 1998, 49, 1041-1047.	1.5	7
20	Application of the Triple-to-Double Coincidence Ratio Method at National Institute of Standards and Technology for Absolute Standardization of Radionuclides by Liquid Scintillation Counting. ACS Symposium Series, 2003, , 76-87.	0.5	6
21	Some remarks on photons statistics in the LS-counter. Applied Radiation and Isotopes, 2008, 66, 1062-1066.	1.5	6
22	Standardization of Sm-153 solution by absolute methods. Applied Radiation and Isotopes, 2014, 87, 19-23.	1.5	4
23	The CCRI(II)-K2.Fe-55.2019 key comparison of activity concentration measurements of a <sup>55</sup> Fe solution. Metrologia, 2021, 58, 06010.	1.2	4
24	Comparison of <sup>99</sup> Tcm and <sup>131</sup> I in Polish hospitals, 2007. Applied Radiation and Isotopes, 2010, 68, 1278-1281.	1.5	3
25	Standardization of a <sup>85</sup> Sr solution by three methods. Applied Radiation and Isotopes, 2012, 70, 2222-2226.	1.5	3
26	Multi-method of standardization of radionuclides with "triangular scheme" of disintegration. Applied Radiation and Isotopes, 2002, 56, 281-284.	1.5	2
27	Comparison of <sup>131</sup> I activity measurements at the NCBJ RC POLATOM and the ENEA-INMRI linked to the BIPM SIR system. Applied Radiation and Isotopes, 2018, 134, 380-384.	1.5	2
28	Comparison of digital coincidence modules used at POLATOM and PTB for TDCR and <sup>4</sup> π <sup>2</sup> (LS)- <sup>3</sup> coincidence counters. Applied Radiation and Isotopes, 2020, 164, 109231.	1.5	2
29	Standardization of an <sup>55</sup> Fe solution using the TDCR method in POLATOM as part of the CCRI (II)-K2.Fe-55.2019 key comparison. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 3241-3248.	1.5	2
30	A new coincidence module using pulse-mixing method applied in the <sup>4</sup> π <sup>2</sup> (LS)- <sup>3</sup> coincidence system with TDCR detector. Applied Radiation and Isotopes, 2020, 159, 109081.	1.5	1
31	REALISATION OF RADIONUCLIDES ACTIVITY UNIT USING THE LIQUID SCINTILLATION COUNTING (LSC). Informatyka Automatyka Pomiary W Gospodarce I Ochronie Środowiska, 2016, 6, 28-31.	0.4	1
32	Bilateral comparison of <sup>14</sup> C activity measurements at the NCBJ RC POLATOM and the ENEA-INMRI. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 721-725.	1.5	0
33	Preparation method and quality control of multigamma volume sources with different matrices. Applied Radiation and Isotopes, 2018, 134, 126-130.	1.5	0