

# Anthony R Day

## List of Publications by Year in descending order

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23  
papers

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citations

1163117

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24  
docs citations

24  
times ranked

234  
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#	ARTICLE	IF	CITATIONS
1	Characterization of a low background proportional counter for a high throughput Argon-37 collection and measurement system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161794.	1.6	4
2	Migration of noble gas tracers at the site of an underground nuclear explosion at the Nevada National Security Site. Journal of Environmental Radioactivity, 2019, 208-209, 106047.	1.7	7
3	Stilbene cell development to improve radioxenon detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 923, 72-78.	1.6	7
4	Direct low-energy measurement of <sup>37</sup> Ar and <sup>127</sup> Xe in a radiotracer gas using low-background proportional counters. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 125-129.	1.5	2
5	Simultaneous measurement of tritium and radiocarbon by ultra-low-background proportional counting. Applied Radiation and Isotopes, 2017, 126, 171-174.	1.5	2
6	Methods for using argon-39 to age-date groundwater using ultra-low-background proportional counting. Applied Radiation and Isotopes, 2017, 126, 9-12.	1.5	8
7	Development of a low-level <sup>39</sup> Ar calibration standard – Analysis by absolute gas counting measurements augmented with simulation. Applied Radiation and Isotopes, 2017, 126, 243-248.	1.5	7
8	Measurements of Argon-39 at the U20az underground nuclear explosion site. Journal of Environmental Radioactivity, 2017, 178-179, 28-35.	1.7	11
9	First results of a simultaneous measurement of tritium and <sup>14</sup> C in an ultra-low-background proportional counter for environmental sources of methane. Journal of Environmental Radioactivity, 2016, 155-156, 122-129.	1.7	5
10	Development of a low-level <sup>37</sup> Ar calibration standard. Applied Radiation and Isotopes, 2016, 109, 430-434.	1.5	8
11	Optimization of simultaneous tritium–radiocarbon internal gas proportional counting. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 813, 19-28.	1.6	4
12	<sup>39</sup> Ar/Ar measurements using ultra-low background proportional counters. Applied Radiation and Isotopes, 2016, 107, 187-190.	1.5	4
13	Development of an absolute gas-counting capability for low to medium activities. Applied Radiation and Isotopes, 2013, 81, 179-183.	1.5	5
14	A new shallow underground gas-proportional counting lab – First results and Ar-37 sensitivity. Applied Radiation and Isotopes, 2013, 81, 151-155.	1.5	17
15	The Multi-sensor Airborne Radiation Survey (MARS) instrument. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 698, 152-167.	1.6	8
16	Measurement of <sup>37</sup> Ar to support technology for On-Site Inspection under the Comprehensive Nuclear-Test-Ban Treaty. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 58-61.	1.6	34
17	LaCl <sub>3</sub> :Ce coincidence signatures to calibrate gamma-ray detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 201-204.	1.6	5
18	A High-Efficiency Fieldable Germanium Detector Array. IEEE Transactions on Nuclear Science, 2009, 56, 1224-1228.	2.0	6

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19	Design and construction of an ultra-low-background 14-crystal germanium array for high efficiency and coincidence measurements. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 282, 703-708.	1.5	20
20	Design and construction of a low-background, internal-source proportional counter. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 282, 233-237.	1.5	36
21	Concentration independent calibration of $^{124}\text{I}$ - $^{133}\text{Xe}$ coincidence detector using $^{131\text{m}}\text{Xe}$ and $^{133}\text{Xe}$ . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 282, 755-759.	1.5	7
22	Cleaning and passivation of copper surfaces to remove surface radioactivity and prevent oxide formation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 579, 486-489.	1.6	42
23	A Beta-Particle Hodoscope Constructed Using A Position-Sensitive Plastic Scintillator Active Element. , 2006, , .		0