

Phillip E Warwick

List of Publications by Year in descending order

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63
papers

1,693
citations

257450

24
h-index

302126

39
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63
all docs

63
docs citations

63
times ranked

1496
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioavailable actinide fluxes to the Irish Sea from Sellafield-labelled sediments. <i>Water Research</i> , 2022, 221, 118838.	11.3	3
2	Development of a numerical simulation method for modelling column breakthrough from extraction chromatography resins. <i>Analyst</i> , The, 2021, 146, 4049-4065.	3.5	1
3	Novel DGT Configurations for the Assessment of Bioavailable Plutonium, Americium, and Uranium in Marine and Freshwater Environments. <i>Analytical Chemistry</i> , 2021, 93, 11937-11945.	6.5	7
4	A compact, dual-zone vertical tube furnace for the determination of tritium and carbon-14 in decommissioning wastes. <i>Applied Radiation and Isotopes</i> , 2021, 179, 109995.	1.5	0
5	Application of multiple quench parameters for confirmation of radionuclide identity in radioanalytical quality control. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 1383-1390.	1.5	2
6	Evaluation of inductively coupled plasma tandem mass spectrometry for radionuclide assay in nuclear waste characterisation. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1810-1821.	3.0	14
7	A New Reference Material for Tritium Organic Molecules in Sediment: Results of an International Intercomparison Exercise. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 253-262.	3.1	5
8	Under-estimation of ²¹⁰ Pb in industrial radioactive scales. <i>Analytica Chimica Acta</i> , 2018, 1000, 67-74.	5.4	4
9	A rapid method for assessing the accumulation of microplastics in the sea surface microlayer (SML) of estuarine systems. <i>Scientific Reports</i> , 2018, 8, 9428.	3.3	49
10	Fusion Bead Procedure for Nuclear Forensics Employing Synthetic Enstatite to Dissolve Uraniferous and Other Challenging Materials Prior to Laser Ablation Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 6006-6014.	6.5	8
11	A Suite of Robust Radioanalytical Techniques for the Determination of Tritium and Other Volatile Radionuclides in Decommissioning Wastes and Environmental Matrices. <i>Fusion Science and Technology</i> , 2017, 71, 290-295.	1.1	6
12	Rapid on-site radionuclide screening of aqueous waste streams using dip-stick technologies and liquid scintillation counting. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 761-766.	1.5	4
13	A new bomb-combustion system for tritium extraction. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 651-658.	1.5	3
14	Liquid scintillation counters calibration stability over long timescales. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 753-760.	1.5	4
15	Recent contributions to the rapid screening of radionuclides in emergency responses and nuclear forensics. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 120-129.	11.4	17
16	Applying multivariate statistics to discriminate uranium ore concentrate geolocations using (radio)chemical data in support of nuclear forensic investigations. <i>Journal of Environmental Radioactivity</i> , 2016, 162-163, 172-181.	1.7	6
17	Organically Bound Tritium Analysis in Environmental Samples. <i>Fusion Science and Technology</i> , 2015, 67, 250-253.	1.1	15
18	A rapid dissolution procedure to aid initial nuclear forensics investigations of chemically refractory compounds and particles prior to gamma spectrometry. <i>Analytica Chimica Acta</i> , 2015, 900, 1-9.	5.4	8

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19	Determination of ¹³⁵ Cs and ¹³⁷ Cs in environmental samples: A review. <i>Analytica Chimica Acta</i> , 2015, 890, 7-20.	5.4	63
20	Calixarene-based Extraction Chromatographic Separation of ¹³⁵ Cs and ¹³⁷ Cs in Environmental and Waste Samples Prior to Sector Field ICP-MS Analysis. <i>Analytical Chemistry</i> , 2014, 86, 11890-11896.	6.5	34
21	Rapid determination of tritium and carbon-14 in urine samples using a combustion technique. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 187-191.	1.5	11
22	Determination of Precise ¹³⁵ Cs/ ¹³⁷ Cs Ratio in Environmental Samples Using Sector Field Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 8719-8726.	6.5	37
23	Evaluation of three electrodeposition procedures for uranium, plutonium and americium. <i>Applied Radiation and Isotopes</i> , 2014, 87, 233-237.	1.5	18
24	Rapid measurement of ²⁴¹ Pu activity at environmental levels using low-level liquid scintillation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 353-359.	1.5	9
25	Organically bound tritium (OBT) behaviour and analysis: outcomes of the seminar held in Balaruc-les-Bains in May 2012. <i>Radioprotection</i> , 2013, 48, 127-144.	1.0	27
26	Identification and Quantification of Radionuclides in Contaminated Drinking Waters and Pipeline Deposits. <i>Analytical Chemistry</i> , 2013, 85, 8166-8172.	6.5	6
27	Low microbial respiration of leucine at ambient oceanic concentration in the mixed layer of the central Atlantic Ocean. <i>Limnology and Oceanography</i> , 2013, 58, 1597-1604.	3.1	15
28	Lead pre-concentration using a novel manganese dioxide resin. <i>Environmental Earth Sciences</i> , 2012, 67, 637-640.	2.7	3
29	Evidence for the Preservation of Technogenic Tritiated Organic Compounds in an Estuarine Sedimentary Environment. <i>Environmental Science & Technology</i> , 2012, 46, 5704-5712.	10.0	42
30	Pre-concentration of short-lived radionuclides using manganese dioxide precipitation from surface waters. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 292, 25-28.	1.5	11
31	The requirement for proper storage of nuclear and related decommissioning samples to safeguard accuracy of tritium data. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 292-298.	12.4	10
32	Variations in the gross alpha and beta activity in surface waters at the Atomic Weapons Establishment Aldermaston (UK). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 289, 389-394.	1.5	4
33	Activity determination and nuclear decay data of ^{113m} Cd. <i>Applied Radiation and Isotopes</i> , 2011, 69, 500-505.	1.5	16
34	Pre-concentration of naturally occurring radionuclides and the determination of ²¹² Pb from fresh waters. <i>Journal of Environmental Radioactivity</i> , 2011, 102, 326-330.	1.7	8
35	Electrokinetic remediation of plutonium-contaminated nuclear site wastes: Results from a pilot-scale on-site trial. <i>Journal of Hazardous Materials</i> , 2011, 186, 1405-1414.	12.4	38
36	Effective desorption of tritium from diverse solid matrices and its application to routine analysis of decommissioning materials. <i>Analytica Chimica Acta</i> , 2010, 676, 93-102.	5.4	35

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37	Short-lived variations in the background gamma-radiation dose. <i>Journal of Radiological Protection</i> , 2010, 30, 525-533.	1.1	33
38	Spatial distribution of ²⁴¹ Am, ¹³⁷ Cs, ²³⁸ Pu, ^{239,240} Pu and ²⁴¹ Pu over 17 year periods in the Ravenglass saltmarsh, Cumbria, UK. <i>Applied Radiation and Isotopes</i> , 2009, 67, 1484-1492.	1.5	8
39	Effective Determination of the Long-lived Nuclide ⁴¹ Ca in Nuclear Reactor Bioshield Concretes: Comparison of Liquid Scintillation Counting and Accelerator Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 1901-1906.	6.5	18
40	Light enhanced amino acid uptake by dominant bacterioplankton groups in surface waters of the Atlantic Ocean. <i>FEMS Microbiology Ecology</i> , 2008, 63, 36-45.	2.7	84
41	Tritium Speciation in Nuclear Reactor Bioshield Concrete and its Impact on Accurate Analysis. <i>Analytical Chemistry</i> , 2008, 80, 5476-5480.	6.5	27
42	Microbial abundance, activity and iron uptake in vicinity of the Crozet Isles in November 2004–January 2005. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 2126-2137.	1.4	18
43	Microbial control of phosphate in the nutrient-depleted North Atlantic subtropical gyre. <i>Environmental Microbiology</i> , 2007, 9, 2079-2089.	3.8	105
44	Method for Ultra-Low-Level Analysis of Gold in Rocks. <i>Analytical Chemistry</i> , 2006, 78, 1290-1295.	6.5	41
45	Isolation and quantification of ⁵⁵ Fe and ⁶³ Ni in reactor effluents using extraction chromatography and liquid scintillation analysis. <i>Analytica Chimica Acta</i> , 2006, 567, 277-285.	5.4	31
46	A novel approach for the rapid decomposition of Actinide resin and its application to measurement of uranium and plutonium in natural waters. <i>Analytica Chimica Acta</i> , 2006, 577, 111-118.	5.4	26
47	Characterization of the NIST seaweed Standard Reference Material. <i>Applied Radiation and Isotopes</i> , 2006, 64, 1242-1247.	1.5	19
48	Penetration of tritium (as tritiated water vapour) into low carbon steel and remediation using abrasive cleaning. <i>Journal of Radiological Protection</i> , 2005, 25, 161-168.	1.1	7
49	Multiple ion counting determination of plutonium isotope ratios using multi-collector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 480-484.	3.0	45
50	Accumulation of COGEMA-La Hague-derived Reprocessing Wastes in French Salt Marsh Sediments. <i>Environmental Science & Technology</i> , 2002, 36, 4990-4997.	10.0	13
51	A new ground-level fallout record of uranium and plutonium isotopes for northern temperate latitudes. <i>Earth and Planetary Science Letters</i> , 2002, 203, 1047-1057.	4.4	179
52	Radiochemical Determination of ²⁴¹ Am and Pu(\pm) in Environmental Materials. <i>Analytical Chemistry</i> , 2001, 73, 3410-3416.	6.5	41
53	ADSORPTION OF RADIOACTIVE METALS BY STRONGLY MAGNETIC IRON SULFIDE NANOPARTICLES PRODUCED BY SULFATE-REDUCING BACTERIA. <i>Separation Science and Technology</i> , 2001, 36, 2571-2607.	2.5	60
54	Plutonium isotope ratio analysis at femtogram to nanogram levels by multicollector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 279-284.	3.0	99

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55	The Uptake of Iron-55 by Marine Sediment, Macroalgae, and Biota Following Discharge from a Nuclear Power Station. <i>Environmental Science & Technology</i> , 2001, 35, 2171-2177.	10.0	15
56	Solid-Phase Extraction of Technetium ^{99m} Tc-Amine Complexes onto C18Silica and Its Application to the Isolation of ⁹⁹ Tc. <i>Analytical Chemistry</i> , 2000, 72, 3960-3963.	6.5	19
57	Investigation of an Alleged Nuclear Incident at Greenham Common Airbase Using Tl-mass Spectrometric Measurements of Uranium Isotopes. <i>Environmental Science & Technology</i> , 2000, 34, 4496-4503.	10.0	8
58	An optimised and robust method for the determination of uranium and plutonium in aqueous samples. <i>Applied Radiation and Isotopes</i> , 1999, 50, 579-583.	1.5	19
59	Optimised method for the routine determination of Technetium-99 in environmental samples by liquid scintillation counting. <i>Analytica Chimica Acta</i> , 1999, 380, 73-82.	5.4	53
60	Decline of Radionuclides in the Nearshore Environment Following Nuclear Reactor Closure: A U.K. Case Study. <i>Environmental Science & Technology</i> , 1999, 33, 2841-2849.	10.0	7
61	Rapid procedure for plutonium and uranium determination in soils using a borate fusion followed by ion-exchange and extraction chromatography. <i>Analytica Chimica Acta</i> , 1998, 371, 217-225.	5.4	112
62	Precise and rapid determination of ²³⁸ U/ ²³⁵ U and uranium concentration in soil samples using thermal ionisation mass spectrometry. <i>Chemical Geology</i> , 1998, 144, 73-80.	3.3	37
63	Review of analytical techniques for the determination of americium-241 in soils and sediments. <i>Applied Radiation and Isotopes</i> , 1996, 47, 627-642.	1.5	26