

Derek A Haas

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

260
citations

1163117

8
h-index

996975

15
g-index

25
all docs

25
docs citations

25
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of data from sensitive U.S. monitoring stations for the Fukushima Dai-ichi nuclear reactor accident. <i>Journal of Environmental Radioactivity</i> , 2012, 114, 15-21.	1.7	51
2	Source term estimation of radionuclides released from the Fukushima Dai-ichi nuclear reactors using measured air concentrations and atmospheric transport modeling. <i>Journal of Environmental Radioactivity</i> , 2014, 127, 127-132.	1.7	43
3	Measurement of ^{37}Ar to support technology for On-Site Inspection under the Comprehensive Nuclear-Test-Ban Treaty. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 652, 58-61.	1.6	34
4	Improved performance comparisons of radionuclide systems for low level releases in nuclear explosion monitoring. <i>Journal of Environmental Radioactivity</i> , 2017, 178-179, 127-135.	1.7	33
5	Absolute Efficiency Calibration of a Beta-Gamma Detector. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 676-680.	2.0	16
6	Xenon adsorption on geological media and implications for radionuclide signatures. <i>Journal of Environmental Radioactivity</i> , 2018, 187, 65-72.	1.7	15
7	Actinide-loaded glass scintillators for fast neutron detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 652, 421-423.	1.6	10
8	Development of a low-level ^{37}Ar calibration standard. <i>Applied Radiation and Isotopes</i> , 2016, 109, 430-434.	1.5	8
9	Consideration of impact of atmospheric intrusion in subsurface sampling for investigation of suspected underground nuclear explosions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 2439-2444.	1.5	7
10	Cosmic-ray induced production of radioactive noble gases in the atmosphere, ground, and seawater. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 305, 183-192.	1.5	6
11	Adsorptive transport of noble gas tracers in porous media. <i>International Journal of Modern Physics Conference Series</i> , 2018, 48, 1860124.	0.7	4
12	Evaluation of carbon tetrafluoride as a xenon surrogate for underground gas transport. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 465-470.	1.5	4
13	Production and release rate of ^{37}Ar from the UT TRIGA Mark-II research reactor. <i>Journal of Environmental Radioactivity</i> , 2017, 167, 249-253.	1.7	3
14	Capabilities of an on-site inspection. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 2611-2616.	1.5	2
15	MeV photon imaging with robotic sample positioning at a research reactor. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 599-604.	1.5	2
16	Adsorption of tracer gases in geological media: experimental benchmarking. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 1621-1626.	1.5	2
17	Design of an in-core fission-spectrum neutron irradiation facility with pneumatic sample transfer at a research reactor. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 957, 163292.	1.6	2
18	A consideration of radionuclide particulate resuspension as a verification tool in the CTBT On-Site Inspection verification component. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 2433-2437.	1.5	1

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19	The potential detection of low-level aerosol isotopes from new civilian nuclear processes. Applied Radiation and Isotopes, 2017, 126, 232-236.	1.5	1
20	Comparison of measured and simulated concentrations of ¹³³ Xe in the shallow subsurface. Journal of Environmental Radioactivity, 2018, 189, 207-212.	1.7	1
21	A game-theoretic approach to nuclear fuel cycle transition analysis under uncertainty. Annals of Nuclear Energy, 2020, 137, 107112.	1.8	1
22	Design and modeling of a fast neutron beam at a research reactor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1001, 165284.	1.6	1
23	Characterization of select physical and thermal properties of crystalline 97% ¹⁰ B powder. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1000, 165232.	1.6	1
24	Analysis of ¹²⁵ Xe electron- γ photon coincidence decay. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 1933-1939.	1.5	0