Derek A Haas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8584024/publications.pdf

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24	260	1163117 8	996975 15
papers	citations	h-index	g-index

25	25	25	172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Characterization of select physical and thermal properties of crystalline 97%Â10B powder. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1000, 165232.	1.6	1
3	Design of an in-core fission-spectrum neutron irradiation facility with pneumatic sample transfer at a research reactor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163292.	1.6	2
4	A game-theoretic approach to nuclear fuel cycle transition analysis under uncertainty. Annals of Nuclear Energy, 2020, 137, 107112.	1.8	1
5	Adsorption of tracer gases in geological media: experimental benchmarking. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1621-1626.	1.5	2
6	Xenon adsorption on geological media and implications for radionuclide signatures. Journal of Environmental Radioactivity, 2018, 187, 65-72.	1.7	15
7	Adsorptive transport of noble gas tracers in porous media. International Journal of Modern Physics Conference Series, 2018, 48, 1860124.	0.7	4
8	MeV photon imaging with robotic sample positioning at a research reactor. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 599-604.	1.5	2
9	Evaluation of carbon tetrafluoride as a xenon surrogate for underground gas transport. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 465-470.	1.5	4
10	Comparison of measured and simulated concentrations of 133Xe in the shallow subsurface. Journal of Environmental Radioactivity, 2018, 189, 207-212.	1.7	1
11	The potential detection of low-level aerosol isotopes from new civilian nuclear processes. Applied Radiation and Isotopes, 2017, 126, 232-236.	1.5	1
12	Production and release rate of 37Ar from the UT TRIGA Mark-II research reactor. Journal of Environmental Radioactivity, 2017, 167, 249-253.	1.7	3
13	Improved performance comparisons of radioxenon systems for low level releases in nuclear explosion monitoring. Journal of Environmental Radioactivity, 2017, 178-179, 127-135.	1.7	33
14	Analysis of 125Xe electronâ€“photon coincidence decay. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 1933-1939.	1.5	0
15	Development of a low-level 37Ar calibration standard. Applied Radiation and Isotopes, 2016, 109, 430-434.	1.5	8
16	A consideration of radionuclide particulate resuspension as a verification tool in the CTBT On-Site Inspection verification component. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2433-2437.	1.5	1
17	Capabilities of an on-site inspection. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2611-2616.	1.5	2
18	Consideration of impact of atmospheric intrusion in subsurface sampling for investigation of suspected underground nuclear explosions. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2439-2444.	1.5	7

#	Article	IF	Citations
19	Cosmic-ray induced production of radioactive noble gases in the atmosphere, ground, and seawater. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 183-192.	1.5	6
20	Source term estimation of radioxenon released from the Fukushima Dai-ichi nuclear reactors using measured air concentrations and atmospheric transport modeling. Journal of Environmental Radioactivity, 2014, 127, 127-132.	1.7	43
21	Absolute Efficiency Calibration of a Beta-Gamma Detector. IEEE Transactions on Nuclear Science, 2013, 60, 676-680.	2.0	16
22	Analysis of data from sensitive U.S. monitoring stations for the Fukushima Dai-ichi nuclear reactor accident. Journal of Environmental Radioactivity, 2012, 114, 15-21.	1.7	51
23	Actinide-loaded glass scintillators for fast neutron detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 421-423.	1.6	10
24	Measurement of 37Ar to support technology for On-Site Inspection under the Comprehensive Nuclear-Test-BanTreaty. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 58-61.	1.6	34