# Derek A Haas

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 24 papers | 260 citations | 1162367 8 h-index | 996533 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. Journal of Environmental Radioactivity, 2012, 114, 15-21. | 0.9 | 51 |
| 2 | 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. | 0.9 | 43 |
| 3 | 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. | 0.7 | 34 |
| 4 | Improved performance comparisons of radioxenon systems for low level releases in nuclear explosion monitoring. Journal of Environmental Radioactivity, 2017, 178-179, 127-135. | 0.9 | 33 |
| 5 | Absolute Efficiency Calibration of a Beta-Gamma Detector. IEEE Transactions on Nuclear Science, 2013, 60, 676-680. | 1.2 | 16 |
| 6 | Xenon adsorption on geological media and implications for radionuclide signatures. Journal of Environmental Radioactivity, 2018, 187, 65-72. | 0.9 | 15 |
| 7 | 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. | 0.7 | 10 |
| 8 | Development of a low-level 37Ar calibration standard. Applied Radiation and Isotopes, 2016, 109, 430-434. | 0.7 | 8 |
| 9 | 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. | 0.7 | 7 |
| 10 | Cosmic-ray induced production of radioactive noble gases in the atmosphere, ground, and seawater. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 183-192. | 0.7 | 6 |
| 11 | Adsorptive transport of noble gas tracers in porous media. International Journal of Modern Physics Conference Series, 2018, 48, 1860124. | 0.7 | 4 |
| 12 | Evaluation of carbon tetrafluoride as a xenon surrogate for underground gas transport. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 465-470. | 0.7 | 4 |
| 13 | Production and release rate of 37Ar from the UT TRIGA Mark-II research reactor. Journal of Environmental Radioactivity, 2017, 167, 249-253. | 0.9 | 3 |
| 14 | Capabilities of an on-site inspection. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2611-2616. | 0.7 | 2 |
| 15 | MeV photon imaging with robotic sample positioning at a research reactor. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 599-604. | 0.7 | 2 |
| 16 | Adsorption of tracer gases in geological media: experimental benchmarking. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1621-1626. | 0.7 | 2 |
| 17 | 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. | 0.7 | 2 |
| 18 | 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. | 0.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The potential detection of low-level aerosol isotopes from new civilian nuclear processes. Applied Radiation and Isotopes, 2017, 126, 232-236. | 0.7 | 1 |
| 20 | Comparison of measured and simulated concentrations of 133Xe in the shallow subsurface. Journal of Environmental Radioactivity, 2018, 189, 207-212. | 0.9 | 1 |
| 21 | A game-theoretic approach to nuclear fuel cycle transition analysis under uncertainty. Annals of Nuclear Energy, 2020, 137, 107112. | 0.9 | 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. | 0.7 | 1 |
| 23 | 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. | 0.7 | 1 |
| 24 | Analysis of 125Xe electronâ€“photon coincidence decay. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 1933-1939. | 0.7 | 0 |