

James Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

178
citations

1307594

7
h-index

1372567

10
g-index

36
all docs

36
docs citations

36
times ranked

130
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Optimization and characterization of a silicon photomultiplier-based ZnS(Ag) proton recoil fast neutron detector for nuclear fuel performance monitoring at TREAT. Journal of Instrumentation, 2020, 15, P09025-P09025. | 1.2 | 0 |
| 2 | Direct alpha spectrometry as a screening method for assaying thick, highly-radioactive materials. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 553-560. | 1.5 | 1 |
| 3 | Observation of natural background radiation during the Great American Eclipse. Applied Radiation and Isotopes, 2018, 142, 151-159. | 1.5 | 0 |
| 4 | Direct Alpha Spectrometry of Irradiated Nuclear Fuel. , 2017, , . | | 0 |
| 5 | Evaluation, Refurbishment, and Characterization of Fast Neutron Scintillators for the TREAT Fuel Motion Monitoring System. , 2017, , . | | 2 |
| 6 | A Multi-Purpose Test Station to Characterize Fast Neutron Detectors for the Transient Reactor Test Facility (TREAT) Fuel Motion Monitoring System. , 2017, , . | | 1 |
| 7 | Optimization of a fast neutron scintillator for real-time pulse shape discrimination in the transient reactor test facility (TREAT) hodoscope. , 2016, , . | | 2 |
| 8 | Statistical estimation of the performance of a fast-neutron multiplicity system for nuclear material accountancy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 448-454. | 1.6 | 31 |
| 9 | Comparison of BCF-10, BCF-12, and BCF-20 Scintillating Fibers for Use in a 1-Dimensional Linear Sensor. IEEE Transactions on Nuclear Science, 2013, 60, 4015-4021. | 2.0 | 13 |
| 10 | Comparison of BCF-10, BCF-12, and BCF-20 scintillating fibers for use in a 1-dimensional linear sensor. , 2012, , . | | 0 |
| 11 | Estimation of the performance of multiple active neutron interrogation signatures for detecting shielded HEU. , 2012, , . | | 2 |
| 12 | Fast-neutron spectrometry using a ³ He ionization chamber and digital pulse shape analysis. Applied Radiation and Isotopes, 2012, 70, 1457-1463. | 1.5 | 9 |
| 13 | Measurement Of The Neutron Spectrum Of A DD Electronic Neutron Generator. AIP Conference Proceedings, 2011, , . | 0.4 | 2 |
| 14 | Nuclear nonproliferation measurements performed on mixed-oxide fuel pins at the Idaho National Laboratory. , 2009, , . | | 0 |
| 15 | Dose profile modeling of Idaho National Laboratory's active neutron interrogation laboratory. Applied Radiation and Isotopes, 2009, 67, 1013-1022. | 1.5 | 13 |
| 16 | In-the-flash pulse shape discrimination with liquid scintillators. , 2008, , . | | 0 |
| 17 | Nuclear resonance fluorescence using different photon sources. , 2008, , . | | 1 |
| 18 | Development of an Intense Pulsed Characteristic γ-Ray Source for Active Interrogation of Special Nuclear Material. , 2007, , . | | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Detection of Special Nuclear Material by means of promptly emitted radiation following photonuclear stimulation. , 2007, , . | | 3 |
| 20 | Photon dosimetry using plastic scintillators in pulsed radiation fields. , 2007, , . | | 1 |
| 21 | Electronics and signal processing for prompt radiation. , 2007, , . | | 1 |
| 22 | Fast digitization and discrimination of prompt neutron and photon signals using a novel silicon carbide detector. , 2007, , . | | 3 |
| 23 | Status of the prototype Pulsed Photonuclear Assessment (PPA) inspection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 353-356. | 1.6 | 7 |
| 24 | Utilization of actively-induced, prompt radiation emission for nonproliferation applications. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 341-346. | 1.4 | 17 |
| 25 | Time-dependent delayed signatures from energetic photon interrogations. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 316-320. | 1.4 | 10 |
| 26 | Detection of shielded nuclear material in a cargo container. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 562, 1085-1088. | 1.6 | 41 |
| 27 | Actively-induced, Prompt Radiation Utilization in Nonproliferation Applications. , 2006, , . | | 0 |
| 28 | Possible Approach for Monitoring, via Acoustic Technology, Changes in Seabed Structure Due to Changes in Hydrate Phase. , 2002, , . | | 0 |
| 29 | Laboratory acoustic reflection measurements in porous media with THFâ€hydrates. , 2001, , . | | 0 |