

James Johnson

List of Publications by Year in descending order

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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	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
2	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
3	Utilization of actively-induced, prompt radiation emission for nonproliferation applications. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 341-346.	1.4	17
4	Dose profile modeling of Idaho National Laboratory's active neutron interrogation laboratory. Applied Radiation and Isotopes, 2009, 67, 1013-1022.	1.5	13
5	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
6	Time-dependent delayed signatures from energetic photon interrogations. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 316-320.	1.4	10
7	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
8	Development of an Intense Pulsed Characteristic γ -Ray Source for Active Interrogation of Special Nuclear Material. , 2007, , .		8
9	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
10	Detection of Special Nuclear Material by means of promptly emitted radiation following photonuclear stimulation. , 2007, , .		3
11	Fast digitization and discrimination of prompt neutron and photon signals using a novel silicon carbide detector. , 2007, , .		3
12	Measurement Of The Neutron Spectrum Of A DD Electronic Neutron Generator. AIP Conference Proceedings, 2011, , .	0.4	2
13	Estimation of the performance of multiple active neutron interrogation signatures for detecting shielded HEU. , 2012, , .		2
14	Optimization of a fast neutron scintillator for real-time pulse shape discrimination in the transient reactor test facility (TREAT) hodoscope. , 2016, , .		2
15	Evaluation, Refurbishment, and Characterization of Fast Neutron Scintillators for the TREAT Fuel Motion Monitoring System. , 2017, , .		2
16	Photon dosimetry using plastic scintillators in pulsed radiation fields. , 2007, , .		1
17	Electronics and signal processing for prompt radiation. , 2007, , .		1
18	Nuclear resonance fluorescence using different photon sources. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
19	A Multi-Purpose Test Station to Characterize Fast Neutron Detectors for the Transient Reactor Test Facility (TREAT) Fuel Motion Monitoring System. , 2017, , .		1
20	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
21	Laboratory acoustic reflection measurements in porous media with THF hydrate. , 2001, , .		0
22	Possible Approach for Monitoring, via Acoustic Technology, Changes in Seabed Structure Due to Changes in Hydrate Phase. , 2002, , .		0
23	Actively-induced, Prompt Radiation Utilization in Nonproliferation Applications. , 2006, , .		0
24	In-the-flash pulse shape discrimination with liquid scintillators. , 2008, , .		0
25	Nuclear nonproliferation measurements performed on mixed-oxide fuel pins at the Idaho National Laboratory. , 2009, , .		0
26	Comparison of BCF-10, BCF-12, and BCF-20 scintillating fibers for use in a 1-dimensional linear sensor. , 2012, , .		0
27	Direct Alpha Spectrometry of Irradiated Nuclear Fuel. , 2017, , .		0
28	Observation of natural background radiation during the Great American Eclipse. Applied Radiation and Isotopes, 2018, 142, 151-159.	1.5	0
29	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