Craig M Marianno

List of Publications by Year
in descending order

23	39	2258059 3	2053705 5
papers	citations	h-index	g-index

24	24	24	38
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correcting for spatially dependent intrinsic efficiency on a germanium double-sided strip detector to improve nuclear forensics response. Radiation Detection Technology and Methods, 2022, 6, 78-87.	0.8	0
2	The Effect of Radiation Damage on the Charge Collection Efficiency of Silicon Avalanche Photodiodes. IEEE Transactions on Nuclear Science, 2022, 69, 152-159.	2.0	1
3	Identification of the Ambient Response Relationship in Neutron Counting and Scintillation Measurement Systems. Radiation Science and Technology, 2021, 7, 7.	0.1	3
4	Computational evaluation of a novel beta radiation probe design using integrated circuits. SN Applied Sciences, 2021, 3, 1.	2.9	0
5	Validation of a Dose Assessment Method to be Used in 18F FDG Loose Contamination Exercises. Health Physics, 2021, 120, 353-359.	0.5	0
6	Validating a Methodology That Associates Minimum Detectable Activity with Detector Velocity. Health Physics, 2021, 121, 30-37.	0.5	0
7	Characterization of a gamma spectrometerâ€“neutron counter background correlation in mobile radiological search systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165648.	1.6	2
8	Bias-dependent displacement damage effects in a silicon avalanche photodiode. Nuclear Instruments & Methods in Physics Research B, 2021, 507, 42-45.	1.4	3
9	Employing MCNP to optimize experimental design for compressed sensing neutron source imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161446.	1.6	0
10	A strategic analysis of stationary radiation portal monitors and mobile detection systems in border monitoring. Nuclear Engineering and Technology, 2020, 52, 626-632.	2.3	2
11	Modeling minimum detectable activity as a function of detector speed. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	4
12	Preliminary Dose Assessment for Emergency Response Exercise Using Unsealed Radioactive Contamination. Health Physics, 2019, 117, 549-557.	0.5	1
13	Calculation of Canine Dose Rate Conversion Factors for Photons and Electrons. Health Physics, 2018, 114, 20-26.	0.5	0
14	Radionuclide Selection for Emergency Response Exercise at Disaster CityÂ® Using Unsealed Radioactive Contamination. Health Physics, 2018, 114, 7-12.	0.5	5
15	Modeling Study of a Proposed Field Calibration Source Using K-40 and High-Z Targets for Sodium Iodide Detectors. Health Physics, 2016, 110, 563-570.	0.5	0
16	A man-packable unmanned surface vehicle for radiation localization and forensics. , 2015, , .		4
17	Signal Processing and Its Effect on Scanning Efficiencies for a Field Instrument for Detecting Low-energy Radiation. Health Physics, 2015, 109, 78-83.	0.5	2
18	Developing a Methodology for Determination of Elemental Composition of Shielding Materials. Health Physics, 2015, 109, 302-306.	0.5	0

#	Article	IF	Citations
19	Design of a spreader bar crane-mounted gamma-ray radiation detection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 743, 1-4.	1.6	3
20	Predicting Concrete Roadway Contribution to Gamma-Ray Background in Radiation Portal Monitor Systems. Nuclear Technology, 2014, 186, 415-426.	1.2	3
21	List Mode with the ORTEC digiBASE-E. Health Physics, 2014, 106, S12-S15.	0.5	0
22	Neutron activation analysis of concrete for cross-border nuclear security. Journal of Radioanalytical and Nuclear Chemistry, 2012, 291, 267-272.	1.5	2
23	PREDICTING INSTRUMENT DETECTION EFFICIENCY WHEN SCANNING POINT AND SMALL AREA RADIATION SOURCES. Health Physics, 2003, 84, 616-625.	0.5	4