Sergei Dolinsky

List of Publications by Year
in descending order

26	394	1163117 8	996975 15
papers	citations	h-index	g-index

26	26	26	555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Timing, Energy, and 3-D Spatial Resolution of the BING PET Detector Module. IEEE Transactions on Radiation and Plasma Medical Sciences, 2023, 7, 1-10.	3.7	1
2	Evaluation of Hamamatsu PET Imaging Modules for Dedicated TOF-Capable Scanners. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 634-639.	3.7	6
3	Timing resolution performance comparison of different SiPM devices. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 801, 11-20.	1.6	9
4	Silicon carbide solid-state photomultiplier for UV light detection. Proceedings of SPIE, 2014, , .	0.8	1
5	Sensitivity Improvement of Time-of-Flight (ToF) PET Detector Through Recovery of Compton Scattered Annihilation Photons. IEEE Transactions on Nuclear Science, 2014, 61, 121-125.	2.0	26
6	Timing resolution performance comparison for fast and standard outputs of SensL SiPM. , 2013, , .		15
7	Performance of Low Afterpulsing Probability Multi-Pixel Photon Counters for Time-of-Flight Positron Emission Tomography. , 2013, , .		1
8	Novel approach for calibration breakdown voltage of large area SiPM. , 2013, , .		1
9	Time-of-flight PET-MR detector development with silicon photomultiplier. , 2012, , .		18
10	Sensitivity improvement of time-of-flight (ToF)-PET detector through recovery of Compton scattered annihilation photons. , 2012, , .		3
11	Development of a hybrid phototube with ZnO:Ga luminescent screen and GaN photocathode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 118-120.	1.6	1
12	Effect of microcell size on timing performance of silicon photomultipliers for ToF-PET imaging. , 2011, , .		2
13	Multiplexing requirements for solid state photomultipliers in time-of-flight PET. , 2010, , .		6
14	Multi-Pixel Photon Counters for TOF PET Detector and Its Challenges. IEEE Transactions on Nuclear Science, 2009, 56, 2580-2585.	2.0	76
15	Multi-Pixel Photon Counters for TOF PET detector and its challenges. , 2008, , .		14
16	Dependence of timing resolution on crystal size for TOF PET. , 2007, , .		3
17	Factors affecting the characterization of very fast scintillators with low light output. , 2007, , .		0
18	Design of a Modular and Efficient CAMAC/Lab VIEW-Based Data Acquisition System for a Time of Flight PET Test-Bed. , 2006, , .		2

#	Article	IF	Citations
19	Positron Emission Mammography: High-Resolution Biochemical Breast Imaging. Technology in Cancer Research and Treatment, 2005, 4, 55-60.	1.9	56
20	Pilot clinical trial of 18F-fluorodeoxyglucose positron-emission mammography in the surgical management of breast cancer. American Journal of Surgery, 2005, 190, 628-632.	1.8	69
21	Aging tests of full-scale CMS muon cathode strip chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 515, 226-233.	1.6	8
22	Large CMS cathode strip chambers: design and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 453, 182-187.	1.6	12
23	Results from the SLD barrel CRID detector. IEEE Transactions on Nuclear Science, 1994, 41, 862-865.	2.0	3
24	Performance of the CRID at SLD. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 343, 74-86.	1.6	58
25	Initial performance of the SLD Cherenkov ring imaging detector system. IEEE Transactions on Nuclear Science, 1992, 39, 685-689.	2.0	2
26	Performance of the front end electronics and data acquisition system for the SLD Cherenkov ring imaging detector. IEEE Transactions on Nuclear Science, 1992, 39, 897-900.	2.0	1