

Jarek Glodo

List of Publications by Year in descending order

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74
papers

2,409
citations

218677

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48
g-index

74
all docs

74
docs citations

74
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	New Developments in Scintillators for Security Applications. Physics Procedia, 2017, 90, 285-290.	1.2	183
2	LaBr/sub 3/:Ce scintillators for gamma-ray spectroscopy. IEEE Transactions on Nuclear Science, 2003, 50, 2410-2413.	2.0	178
3	Selected Properties of Cs\$_{2}\$LiYCl\$_{6}\$, Cs\$_{2}\$LiLaCl\$_{6}\$, and Cs\$_{2}\$LiLaBr\$_{6}\$ Scintillators. IEEE Transactions on Nuclear Science, 2011, 58, 333-338.	2.0	125
4	Scintillation Properties of 1 Inch Cs\$_{2}\$LiYCl\$_{6}\$:Ce Crystals. IEEE Transactions on Nuclear Science, 2008, 55, 1206-1209.	2.0	121
5	Effects of Ce concentration on scintillation properties of LaBr/sub 3/:Ce. IEEE Transactions on Nuclear Science, 2005, 52, 1805-1808.	2.0	115
6	Development of Cs2LiYCl6 scintillator. Journal of Crystal Growth, 2013, 379, 73-78.	1.5	103
7	Concentration Effects in Eu Doped SrI\$_{2}\$. IEEE Transactions on Nuclear Science, 2010, 57, 1228-1232.	2.0	95
8	Bridgman growth of large SrI2:Eu2+ single crystals: A high-performance scintillator for radiation detection applications. Journal of Crystal Growth, 2013, 379, 63-68.	1.5	84
9	Pulse Shape Discrimination With Selected Elpasolite Crystals. IEEE Transactions on Nuclear Science, 2012, 59, 2328-2333.	2.0	79
10	Crystal growth of large diameter LaBr3:Ce and CeBr3. Journal of Crystal Growth, 2008, 310, 2085-2089.	1.5	75
11	Cs\$_{2}\$LiYCl\$_{6}\$:Ce Scintillator for Nuclear Monitoring Applications. IEEE Transactions on Nuclear Science, 2009, 56, 1257-1261.	2.0	71
12	LuI/sub 3/:Ce-a new scintillator for gamma ray spectroscopy. IEEE Transactions on Nuclear Science, 2004, 51, 2302-2305.	2.0	63
13	Scintillation Properties of SrHfO\$_{3}\$:Ce\$^{3+}\$ and BaHfO\$_{3}\$:Ce\$^{3+}\$ Ceramics. IEEE Transactions on Nuclear Science, 2007, 54, 741-743.	2.0	63
14	Scintillation properties of Cs2LiLaBr6 (CLLB) crystals with varying Ce3+ concentration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 268-270.	1.6	63
15	Continuous depth-of-interaction encoding using phosphor-coated scintillators. Physics in Medicine and Biology, 2009, 54, 1757-1771.	3.0	62
16	High energy resolution scintillation spectrometers. IEEE Transactions on Nuclear Science, 2004, 51, 2395-2399.	2.0	58
17	Position Sensitive APDs for Small Animal PET Imaging. IEEE Transactions on Nuclear Science, 2004, 51, 91-95.	2.0	55
18	Bridgman growth of LaBr3:Ce and LaCl3:Ce crystals for high-resolution gamma-ray spectrometers. Journal of Crystal Growth, 2006, 287, 239-242.	1.5	55

#	ARTICLE	IF	CITATIONS
19	Bridgman growth of Cs ₂ LiYCl ₆ :Ce and 6Li-enriched Cs ₂₆ LiYCl ₆ :Ce crystals for high resolution gamma ray and neutron spectrometers. Journal of Crystal Growth, 2010, 312, 1216-1220.	1.5	51
20	Optical and scintillation properties of Cs ₂ /LiYCl ₆ :Ce ³⁺ and Cs ₂ /LiYCl ₆ :Pr ³⁺ crystals. IEEE Transactions on Nuclear Science, 2005, 52, 1819-1822.	2.0	48
21	Bridgman bulk growth and scintillation measurements of Sr ₁₂ :Eu ²⁺ . Journal of Crystal Growth, 2013, 379, 69-72.	1.5	47
22	Characterization of Scintillators by Modern Photomultipliers—A New Source of Errors. IEEE Transactions on Nuclear Science, 2010, 57, 2886-2896.	2.0	46
23	Mixed Lutetium Iodide Compounds. IEEE Transactions on Nuclear Science, 2008, 55, 1496-1500.	2.0	38
24	Crystal growth and scintillation properties of pure and Tl-doped Cs ₃ Cu ₂ I ₅ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 991, 164963.	1.6	35
25	Strontium iodide scintillators for high energy resolution gamma ray spectroscopy. , 2008, , .		31
26	Gamma-ray neutron imaging system utilizing pulse shape discrimination with CLYC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 346-351.	1.6	28
27	Promising Alkaline Earth Halide Scintillators for Gamma-Ray Spectroscopy. IEEE Transactions on Nuclear Science, 2013, 60, 1011-1015.	2.0	27
28	CaF ₂ (Eu ²⁺):LiF—Structural and spectroscopic properties of a new system for neutron detection. Radiation Measurements, 2010, 45, 163-167.	1.4	26
29	Fast Neutron Detection With Cs ₂ LiYCl ₆ . IEEE Transactions on Nuclear Science, 2013, 60, 864-870.	2.0	26
30	Tl ₂ LiYCl ₆ :Ce: A New Elpasolite Scintillator. IEEE Transactions on Nuclear Science, 2016, 63, 2838-2841.	2.0	26
31	Tl ₂ LiYCl ₆ : Large Diameter, High Performing Dual Mode Scintillator. Crystal Growth and Design, 2017, 17, 3960-3964.	3.0	23
32	Evaluation of a position sensitive avalanche photodiode for PET. IEEE Transactions on Nuclear Science, 2003, 50, 792-796.	2.0	22
33	Lu ₂ SiO ₅ :Ce Optical Ceramic Scintillator for PET. IEEE Transactions on Nuclear Science, 2009, 56, 887-891.	2.0	21
34	Solution growth and scintillation properties of novel organic neutron detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 424-426.	1.6	21
35	Intrinsic scintillators: TlMgCl ₃ and TlCaI ₃ . Journal of Crystal Growth, 2017, 475, 216-219.	1.5	21
36	Crystal growth and characterization of rare earth iodides for scintillation detection. Journal of Crystal Growth, 2008, 310, 2090-2093.	1.5	18

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37	Characterization of Large Volume CLYC Scintillators for Nuclear Security Applications. IEEE Transactions on Nuclear Science, 2017, 64, 1744-1748.	2.0	18
38	Dual gamma neutron detection with Cs ₂ LiLaCl ₆ . Proceedings of SPIE, 2009, , .	0.8	16
39	Transparent garnet ceramic scintillators for gamma-ray detection. Proceedings of SPIE, 2012, , .	0.8	16
40	Energy and Timing Response of Six Prototype Scintillators for TOF-PET. IEEE Transactions on Nuclear Science, 2008, 55, 1404-1408.	2.0	14
41	Integrated Neutron Detector for Handheld Systems. IEEE Transactions on Nuclear Science, 2013, 60, 903-907.	2.0	12
42	Crystals for Nuclear Security Applications. IEEE Transactions on Nuclear Science, 2016, 63, 509-512.	2.0	12
43	Lithium Alkaline Halides – Next Generation of Dual Mode Scintillators. IEEE Transactions on Nuclear Science, 2016, 63, 490-496.	2.0	12
44	Investigation of CeBr ₃ scintillators. Journal of Crystal Growth, 2020, 531, 125365.	1.5	12
45	Radiation Effects on a Potential Scintillation-Based Solid-State Spectrometer Prototype for Compact Monitoring of Space Radiation/Weather Satellite Conditions. IEEE Transactions on Nuclear Science, 2011, 58, 3095-3102.	2.0	9
46	Estimation of Fano factor in inorganic scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 805, 72-86.	1.6	9
47	Gd ₃ Ce - A New Gamma and Neutron Scintillator. , 2006, , .		8
48	Cs ₂ LiYCl ₆ : Ce Neutron gamma detection system. , 2007, , .		7
49	TlSr ₂ 15:Eu ²⁺ - A new high density scintillator for gamma-ray detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164876.	1.6	7
50	Scintillation Properties of Cs ₂ /NaLaI ₆ :Ce. , 2006, , .		6
51	CeBr ₃ for Time-of-Flight PET. , 2006, , .		6
52	New scintillating bolometer crystals for rare particle detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 162300.	1.6	6
53	Novel organic scintillators for neutron detection. , 2010, , .		5
54	Properties of transparent (Gd,Lu) ₃ (Al,Ga) ₅ O ₁₂ :Ce ceramic with Mg, Ca and Ce co-dopants. Proceedings of SPIE, 2015, , .	0.8	5

#	ARTICLE	IF	CITATIONS
55	Lithium alkali halides - New thermal neutron detectors with n- β discrimination. , 2013, , .		4
56	^6Li enriched $\text{Cs}_2\text{LiYCl}_6:\text{Ce}$ based thermal neutron detector coupled with CMOS solid-state photomultipliers for a portable detector unit. , 2011, , .		3
57	Multi-Signature Composite Detector System for Nuclear Non-proliferation. , 2017, , .		3
58	Low-cost, multi-mode detector solutions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161289.	1.6	3
59	Scintillation Properties of $\text{SrHfO}_3:\text{Ce}^{3+}$ and $\text{BaHfO}_3:\text{Ce}^{3+}$ Ceramics. , 2006, , .		2
60	CeBr_3 - PrBr_3 scintillators. , 2007, , .		2
61	Estimation of Fano factors in inorganic scintillators. , 2011, , .		2
62	Progress on Metal-loaded Plastic Scintillators for Nuclear Security Applications. , 2017, , .		2
63	Optical ceramic scintillator for gamma-ray detection. , 2008, , .		1
64	$\text{Lu}_2\text{SiO}_5:\text{Ce}$ optical ceramic scintillator. , 2009, , .		1
65	Temperature behavior of CLYC/MPPC detectors. , 2013, , .		1
66	Estimation of Fano factor in inorganic scintillators from time correlations. , 2015, , .		1
67	$\text{Tl}_2\text{LiLaBr}_6:\text{Ce}$ and $\text{Tl}_2\text{LiYCl}_6:\text{Ce}$: New elpasolite scintillators. , 2015, , .		1
68	Radiation measurements using solid-state Photomultipliers: Gammas, charged particles, and neutrons. , 2008, , .		0
69	Cerium bromide β -Methanol adduct $\text{CeBr}_3(\text{CH}_3\text{OH})_4$: A novel lanthanide halide complex as inorganic scintillator. , 2009, , .		0
70	EditorialConference Comments by the Editors. IEEE Transactions on Nuclear Science, 2010, 57, 1161-1161.	2.0	0
71	Detection of nuclear material with dual neutron β -Gamma detector. , 2010, , .		0
72	Progress on growth and scintillation properties of $\text{Cs}_2\text{LiYBr}_6$. , 2012, , .		0

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73	Structured Gd ₃ Ce scintillators for X-ray and neutron imaging. , 2013, , .		0
74	Conference Comments by the Editors. IEEE Transactions on Nuclear Science, 2016, 63, 432-432.	2.0	0