Jarek Glodo

List of Publications by Year in descending order

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Version: 2024-02-01

74 papers	2,409 citations	218677 26 h-index	206112 48 g-index
74 all docs	74 docs citations	74 times ranked	1119 citing authors

#	Article	IF	Citations
1	TlSr2I5:Eu2+- 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
2	Crystal growth and scintillation properties of pure and Tl-doped Cs3Cu2I5. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 991, 164963.	1.6	35
3	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
4	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
5	Investigation of CeBr3â^'xIx scintillators. Journal of Crystal Growth, 2020, 531, 125365.	1.5	12
6	Tl₂LiYCl₆: Large Diameter, High Performing Dual Mode Scintillator. Crystal Growth and Design, 2017, 17, 3960-3964.	3.0	23
7	New Developments in Scintillators for Security Applications. Physics Procedia, 2017, 90, 285-290.	1.2	183
8	Characterization of Large Volume CLYC Scintillators for Nuclear Security Applications. IEEE Transactions on Nuclear Science, 2017, 64, 1744-1748.	2.0	18
9	Intrinsic scintillators: TlMgCl3 and TlCaI3. Journal of Crystal Growth, 2017, 475, 216-219.	1.5	21
10	Progress on Metal-loaded Plastic Scintillators for Nuclear Security Applications. , 2017, , .		2
11	Multi-Signature Composite Detector System for Nuclear Non-proliferation. , 2017, , .		3
12	Conference Comments by the Editors. IEEE Transactions on Nuclear Science, 2016, 63, 432-432.	2.0	0
13	Crystals for Nuclear Security Applications. IEEE Transactions on Nuclear Science, 2016, 63, 509-512.	2.0	12
14	Tl₂LiYCl₆:Ce: A New Elpasolite Scintillator. IEEE Transactions on Nuclear Science, 2016, 63, 2838-2841.	2.0	26
15	Lithium Alkaline Halidesâ€"Next Generation of Dual Mode Scintillators. IEEE Transactions on Nuclear Science, 2016, 63, 490-496.	2.0	12
16	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
17	Estimation of Fano factor in inorganic scintillators from time correlations. , 2015, , .		1
18	Tl<inf>2</inf>LiLaBr<inf>6</inf>:Ce and Tl<inf>2</inf>LiYCl<inf>6</inf>:Ce: New elpasolite scintillators. , 2015, , .		1

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19	Gammaâ€“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
20	Properties of transparent (Gd,Lu)₃(Al,Ga)₅O₁₂:Ce ceramic with Mg, Ca and Ce co-dopants. Proceedings of SPIE, 2015, , .	0.8	5
21	Fast Neutron Detection With ${m Cs}_{2} {m LiYCl}_{6}$. IEEE Transactions on Nuclear Science, 2013, 60, 864-870.	2.0	26
22	Integrated Neutron Detector for Handheld Systems. IEEE Transactions on Nuclear Science, 2013, 60, 903-907.	2.0	12
23	Structured GdI<inf>3</inf>:Ce scintillators for X-ray and neutron imaging. , 2013, , .		0
24	Bridgman bulk growth and scintillation measurements of SrI2:Eu2+. Journal of Crystal Growth, 2013, 379, 69-72.	1.5	47
25	Development of Cs2LiYCl6 scintillator. Journal of Crystal Growth, 2013, 379, 73-78.	1.5	103
26	Promising Alkaline Earth Halide Scintillators for Gamma-Ray Spectroscopy. IEEE Transactions on Nuclear Science, 2013, 60, 1011-1015.	2.0	27
27	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
28	Temperature behavior of CLYC/MPPC detectors. , 2013, , .		1
29	Lithium alkali halides - New thermal neutron detectors with n-γ discrimination. , 2013, , .		4
30	Progress on growth and scintillation properties of Cs<inf>2</inf>LiYBr<inf>6</inf>. , 2012, , .		0
31	Pulse Shape Discrimination With Selected Elpasolite Crystals. IEEE Transactions on Nuclear Science, 2012, 59, 2328-2333.	2.0	79
32	Transparent garnet ceramic scintillators for gamma-ray detection. Proceedings of SPIE, 2012, , .	0.8	16
33	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
34	Estimation of Fano factors in inorganic scintillators. , 2011, , .		2
35	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
36	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

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37	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
38	6-Li enriched Cs 2 LiYCl 6 :Ce based thermal neutron detector coupled with CMOS solid-state photomultipliers for a portable detector unit. , 2011, , .		3
39	Characterization of Scintillators by Modern Photomultipliersâ€"A New Source of Errors. IEEE Transactions on Nuclear Science, 2010, 57, 2886-2896.	2.0	46
40	CaF2(Eu2+):LiF â€“ Structural and spectroscopic properties of a new system for neutron detection. Radiation Measurements, 2010, 45, 163-167.	1.4	26
41	Bridgman growth of Cs2LiYCl6:Ce and 6Li-enriched Cs26LiYCl6:Ce crystals for high resolution gamma ray and neutron spectrometers. Journal of Crystal Growth, 2010, 312, 1216-1220.	1.5	51
42	EditorialConference Comments by the Editors. IEEE Transactions on Nuclear Science, 2010, 57, 1161-1161.	2.0	0
43	Novel organic scintillators for neutron detection. , 2010, , .		5
44	Concentration Effects in Eu Doped SrI$_{2}$. IEEE Transactions on Nuclear Science, 2010, 57, 1228-1232.	2.0	95
45	Detection of nuclear material with dual neutron — Gamma detector. , 2010, , .		0
46	${m Lu}_{2}{m SiO}_{5}:{m Ce}$ Optical Ceramic Scintillator for PET. IEEE Transactions on Nuclear Science, 2009, 56, 887-891.	2.0	21
47	Continuous depth-of-interaction encoding using phosphor-coated scintillators. Physics in Medicine and Biology, 2009, 54, 1757-1771.	3.0	62
48	Lu 2 SiO 5 :Ce optical ceramic scintillator. , 2009, , .		1
49	Dual gamma neutron detection with Cs 2 LiLaCl 6. Proceedings of SPIE, 2009, , .	0.8	16
50	Cerium bromide — Methanol adduct CeBr<inf>3</inf>(CH<inf>3</inf>OH)<inf>4</inf>: A novel lanthanide halide complex as inorganic scintillator. , 2009, , .		0
51	${m Cs}_{2}{m LiYCl}_{6}:{m Ce}$ Scintillator for Nuclear Monitoring Applications. IEEE Transactions on Nuclear Science, 2009, 56, 1257-1261.	2.0	71
52	Crystal growth and characterization of rare earth iodides for scintillation detection. Journal of Crystal Growth, 2008, 310, 2090-2093.	1.5	18
53	Crystal growth of large diameter LaBr3:Ce and CeBr3. Journal of Crystal Growth, 2008, 310, 2085-2089.	1.5	75
54	Strontium iodide scintillators for high energy resolution gamma ray spectroscopy. , 2008, , .		31

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55	Optical ceramic scintillator for gamma-ray detection. , 2008, , .		1
56	Radiation measurements using solid-state Photomultipliers: Gammas, charged particles, and neutrons. , 2008, , .		0
57	Energy and Timing Response of Six Prototype Scintillators for TOF-PET. IEEE Transactions on Nuclear Science, 2008, 55, 1404-1408.	2.0	14
58	Mixed Lutetium Iodide Compounds. IEEE Transactions on Nuclear Science, 2008, 55, 1496-1500.	2.0	38
59	Scintillation Properties of 1 Inch ${m Cs}_{2}{m LiYCl}_{6}{:}{m Ce}$ Crystals. IEEE Transactions on Nuclear Science, 2008, 55, 1206-1209.	2.0	121
60	CeBr<inf>3</inf>-PrBr<inf>3</inf> scintillators. , 2007, , .		2
61	CS<inf>2</inf>LiYCl<inf>6</inf>: Ce Neutron gamma detection system. , 2007, , .		7
62	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
63	GdI3:Ce - A New Gamma and Neutron Scintillator. , 2006, , .		8
64	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
65	Scintillation Properties of Cs/sub 2/NaLaI/sub 6/:Ce. , 2006, , .		6
66	Scintillation Properties of SrHfO/sub 3/:Ce/sup 3+/ and BaHfO/sub 3/:Ce/sup 3+/ Ceramics. , 2006, , .		2
67	CeBr3 for Time-of-Flight PET. , 2006, , .		6
68	Optical and scintillation properties of Cs/sub 2/LiYCl/sub 6/:Ce/sup 3+/ and Cs/sub 2/LiYCl/sub 6/:Pr/sup 3+/ crystals. IEEE Transactions on Nuclear Science, 2005, 52, 1819-1822.	2.0	48
69	Effects of Ce concentration on scintillation properties of LaBr/sub 3/:Ce. IEEE Transactions on Nuclear Science, 2005, 52, 1805-1808.	2.0	115
70	Position Sensitive APDs for Small Animal PET Imaging. IEEE Transactions on Nuclear Science, 2004, 51, 91-95.	2.0	55
71	High energy resolution scintillation spectrometers. IEEE Transactions on Nuclear Science, 2004, 51, 2395-2399.	2.0	58
72	LuI/sub 3/:Ce-a new scintillator for gamma ray spectroscopy. IEEE Transactions on Nuclear Science, 2004, 51, 2302-2305.	2.0	63

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73	LaBr/sub 3/:Ce scintillators for gamma-ray spectroscopy. IEEE Transactions on Nuclear Science, 2003, 50, 2410-2413.	2.0	178
74	Evaluation of a position sensitive avalanche photodiode for PET. IEEE Transactions on Nuclear Science, 2003, 50, 792-796.	2.0	22