Marek MoszyÅ„ski

List of Publications by Year
in descending order

373	10,127	38742 50	58581 82
papers	citations	h-index	g-index

373	373	373	3921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Barium fluoride â€" Inorganic scintillator for subnanosecond timing. Nuclear Instruments & Methods in Physics Research, 1983, 206, 169-176.	0.9	453
2	Absolute light output of scintillators. IEEE Transactions on Nuclear Science, 1997, 44, 1052-1061.	2.0	368
3	Properties of the YAG:Ce scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 345, 461-467.	1.6	285
4	Scintillation Properties of LuAG:Ce, YAG:Ce and LYSO:Ce Crystals for Gamma-Ray Detection. IEEE Transactions on Nuclear Science, 2009, 56, 3800-3805.	2.0	227
5	A method for picosecond lifetime measurements for neutron-rich nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 280, 49-72.	1.6	204
6	Intrinsic energy resolution of NaI(Tl). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 484, 259-269.	1.6	164
7	Retardation of B(E2; 01+ â† 21+) rates in 90â€"96Sr and strong subshell closure effects in the A ~ 100 region. Nuclear Physics A, 1991, 523, 197-227.	1.5	149
8	YSO, LSO, GSO and LGSO. A study of energy resolution and nonproportionality. IEEE Transactions on Nuclear Science, 2000, 47, 1319-1323.	2.0	149
9	Properties of the YAP : Ce scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 404, 157-165.	1.6	130
10	Blue enhanced large area avalanche photodiodes in scintillation detection with LSO, YAP and LuAP crystals. IEEE Transactions on Nuclear Science, 1997, 44, 436-442.	2.0	128
11	Temperature dependences of LaBr3(Ce), LaCl3(Ce) and NaI(Tl) scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 739-751.	1.6	127
12	Status of timing with plastic scintillation detectors. Nuclear Instruments & Methods, 1979, 158, 1-31.	1.2	126
13	The EUROBALL neutron wall â€" design and performance tests of neutron detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 421, 531-541.	1.6	124
14	Non-Proportionality of Electron Response and Energy Resolution of Compton Electrons in Scintillators. IEEE Transactions on Nuclear Science, 2012, 59, 222-229.	2.0	123
15	A method for picosecond lifetime measurements for neutron-rich nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 277, 407-417.	1.6	122
16	Performance of cerium-doped Gd3Al2Ga3O12 (GAGG:Ce) scintillator in gamma-ray spectrometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 712, 34-40.	1.6	117
17	Timing properties of scintillation counters. Nuclear Instruments & Methods, 1970, 81, 109-120.	1.2	108
18	Properties of the new LuAP:Ce scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 385, 123-131.	1.6	108

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19	Large area avalanche photodiodes in scintillation and X-rays detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 504-521.	1.6	104
20	Inorganic scintillation detectors in Î³-ray spectrometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 505, 101-110.	1.6	103
21	Light pulse shapes from plastic scintillators. Nuclear Instruments & Methods, 1977, 142, 417-434.	1.2	99
22	Energy resolution of scintillation detectors readout with large area avalanche photodiodes and photomultipliers. IEEE Transactions on Nuclear Science, 1998, 45, 472-477.	2.0	97
23	A high-energy resolution observed from a YAP:Ce scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 421, 610-613.	1.6	92
24	Timing properties of BGO scintillator. Nuclear Instruments & Methods in Physics Research, 1981, 188, 403-409.	0.9	85
25	Light Pulse Shape Dependence on $gamma$-Ray Energy in CsI(Tl). IEEE Transactions on Nuclear Science, 2008, 55, 1246-1250.	2.0	83
26	Advantages and limitations of LSO scintillator in nuclear physics experiments. IEEE Transactions on Nuclear Science, 1995, 42, 328-336.	2.0	81
27	Non-proportionality and thermoluminescence of LSO:Ce. IEEE Transactions on Nuclear Science, 2005, 52, 1098-1104.	2.0	80
28	Comparative Study of Scintillators for PET/CT Detectors. IEEE Transactions on Nuclear Science, 2007, 54, 3-10.	2.0	80
29	Comparison of n-Î³ discrimination by zero-crossing and digital charge comparison methods. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 360, 584-592.	1.6	79
30	Intrinsic energy resolution and light yield nonproportionality of BGO. IEEE Transactions on Nuclear Science, 2004, 51, 1074-1079.	2.0	76
31	Observation of a core-excitedE4isomer inCd98. Physical Review C, 2004, 69, .	2.9	71
32	A 2Ï€ neutron and Î³-ray multiplicity filter for the NORDBALL detection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 300, 303-311.	1.6	69
33	Study of n-Î³ discrimination with NE213 and BC501A liquid scintillators of different size. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 350, 226-234.	1.6	69
34	Low energy /spl gamma/-rays scintillation detection with large area avalanche photodiodes. IEEE Transactions on Nuclear Science, 1999, 46, 880-885.	2.0	69
35	New Prospects for Time-of-Flight PET With LSO Scintillators. IEEE Transactions on Nuclear Science, 2006, 53, 2484-2488.	2.0	66
36	Characterization of GAGG:Ce scintillators with various Al-to-Ga ratio. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 772, 112-117.	1.6	66

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37	Timing improved by the use of dynode signals studied with different scintillators and photomultipliers. Nuclear Instruments & Methods in Physics Research, 1982, 204, 129-140.	0.9	65
38	Energy resolution of scintillation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 805, 25-35.	1.6	64
39	Characterization of CaWO4 scintillator at room and liquid nitrogen temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 578-591.	1.6	63
40	Investigation of some scintillation properties of YAG:Ce crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 398, 287-294.	1.6	62
41	Energy Resolution of LGSO Scintillators. IEEE Transactions on Nuclear Science, 2007, 54, 725-731.	2.0	61
42	Fast Photomultipliers for TOF PET. IEEE Transactions on Nuclear Science, 2009, 56, 173-181.	2.0	61
43	Energy resolution and non-proportionality of the light yield of pure CsI at liquid nitrogen temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 357-362.	1.6	58
44	New Photonis XP20D0 photomultiplier for fast timing in nuclear medicine. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 31-35.	1.6	58
45	In-field tests of the EURITRACK tagged neutron inspection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 397-405.	1.6	57
46	Future hosts for fast and high light output cerium-doped scintillator. Journal of Luminescence, 2000, 87-89, 963-966.	3.1	56
47	Development of the EURITRACK tagged neutron inspection system. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 295-298.	1.4	56
48	Energy Resolution of Compton Electrons in LaBr$_{3}$:Ce Scintillator. IEEE Transactions on Nuclear Science, 2010, 57, 1697-1701.	2.0	55
49	Scintillation Properties of Praseodymium Doped LuAG Scintillator Compared to Cerium Doped LuAG, LSO and ${m LaBr} _{3}$. IEEE Transactions on Nuclear Science, 2009, 56, 2499-2505.	2.0	54
50	Energy Resolution of Scintillation Detectorsâ€"New Observations. IEEE Transactions on Nuclear Science, 2008, 55, 1062-1068.	2.0	53
51	Measurement of Compton edge position in low-Z scintillators. Radiation Measurements, 2010, 45, 605-607.	1.4	53
52	Comparison of LaCl3:Ce and NaI(Tl) scintillators in Î³-ray spectrometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 50-56.	1.6	52
53	CdWO/sub 4/ crystal in gamma-ray spectrometry. IEEE Transactions on Nuclear Science, 2005, 52, 3124-3128.	2.0	52
54	Timing properties of GSO, LSO and other Ce doped scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 372, 51-58.	1.6	51

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55	Large Area Avalanche Photodiodes in X-rays and scintillation detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 442, 230-237.	1.6	51
56	New fast photomultipliers with a screening grid at the anode. IEEE Transactions on Nuclear Science, 2004, 51, 1701-1706.	2.0	51
57	Comparative study of avalanche photodiodes with different structures in scintillation detection. IEEE Transactions on Nuclear Science, 2001, 48, 1205-1210.	2.0	50
58	/sup 6/LiI(Eu) in neutron and /spl gamma/-ray spectrometry-a highly sensitive thermal neutron detector. IEEE Transactions on Nuclear Science, 2005, 52, 3151-3156.	2.0	49
59	Light Yield Non-Proportionality and Energy Resolution of Praseodymium Doped LuAG Scintillator. IEEE Transactions on Nuclear Science, 2009, 56, 934-938.	2.0	49
60	Comparison of absorption, luminescence and scintillation characteristics in Lu1.95Y0.05SiO5:Ce,Ca and Y2SiO5:Ce scintillators. Optical Materials, 2013, 35, 1679-1684.	3.6	48
61	Properties of CsF, a fast inorganic scintillator in energy and time spectroscopy. Nuclear Instruments & Methods, 1981, 179, 271-276.	1.2	47
62	Non-Proportionality and Energy Resolution of CsI(Tl). IEEE Transactions on Nuclear Science, 2007, 54, 1836-1841.	2.0	47
63	Characterization of Scintillators by Modern Photomultipliersâ€"A New Source of Errors. IEEE Transactions on Nuclear Science, 2010, 57, 2886-2896.	2.0	46
64	Thermal neutron detection with Ce3+ doped LiCaAlF6 single crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 319-322.	1.6	46
65	Comparison of the scintillation properties of LSO:Ce manufactured by different laboratories and of LGSO:Ce. IEEE Transactions on Nuclear Science, 2000, 47, 1341-1345.	2.0	45
66	Study of pure NaI at room and liquid nitrogen temperatures. IEEE Transactions on Nuclear Science, 2003, 50, 767-773.	2.0	45
67	Conceptual design of the radial gamma ray spectrometers system forÎ±particle and runaway electron measurements at ITER. Nuclear Fusion, 2017, 57, 076016.	3.5	45
68	Comparative studies of Lu₃Al₅O₁₂:Ce and Y₃Al₅O₁₂:Ce scintillators for gammaâ€ray detection. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2599-2605.	1.8	43
69	Further study of scintillation counters with BaF2 crystals for time-of-flight positron tomography in medicine. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1984, 226, 534-541.	1.6	42
70	Study of n-Î³ discrimination by digital charge comparison method for a large volume liquid scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 317, 262-272.	1.6	42
71	Avalanche photodiodes in scintillation detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 497, 226-233.	1.6	42
72	Measurement of 14MeV neutron-induced prompt gamma-ray spectra from 15 elements found in cargo containers. Applied Radiation and Isotopes, 2008, 66, 421-434.	1.5	42

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73	Observation ofNi54: Cross-Conjugate Symmetry inf7/2Mirror Energy Differences. Physical Review Letters, 2006, 97, 152501.	7.8	41
74	Energy resolution and light yield non-proportionality of ZnSe:Te scintillator studied by large area avalanche photodiodes and photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 482, 720-727.	1.6	38
75	Non-Proportionality and Energy Resolution of NaI(Tl) at Wide Temperature Range ($-40^{circ}{hbox) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	38
76	Application of the HR 400 microchannel plate photomultiplier to study the light pulse shape from fast and slow scintillators by means of the single photon method. Nuclear Instruments & Methods in Physics Research, 1982, 204, 141-147.	0.9	37
77	Recent progress in fast timing with CsF scintillators in application to time-of-flight positron tomography in medicine. Nuclear Instruments & Methods in Physics Research, 1983, 205, 239-249.	0.9	37
78	Picosecond lifetime measurements in116,118,120Cd and the structure of normal and intruder states. Physical Review Letters, 1989, 63, 143-146.	7.8	37
79	Application of the pulse-shape technique to proton-alpha discrimination in Si-detector arrays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 365, 176-184.	1.6	37
80	Boron-10 Loaded BC523A Liquid Scintillator for Neutron Detection in the Border Monitoring. IEEE Transactions on Nuclear Science, 2008, 55, 3710-3716.	2.0	37
81	Non-Proportionality of Organic Scintillators and BGO. IEEE Transactions on Nuclear Science, 2008, 55, 1069-1072.	2.0	37
82	Energy resolution and non-proportionality of scintillation detectors â€“ new observations. Radiation Measurements, 2010, 45, 372-376.	1.4	37
83	The light yield response of NE213 organic scintillators to charged particles resulting from neutron interactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 359, 530-536.	1.6	36
84	Scintillation properties and mechanism in Lu0.8Y0.2AlO3:Ce. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 176-180.	1.6	36
85	Unambiguous identification and properties of high spin isomers in nuclei close to N = 82. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 97, 50-54.	4.1	35
86	Subnanosecond timing with large area avalanche photodiodes and LSO scintillator. IEEE Transactions on Nuclear Science, 1996, 43, 1298-1302.	2.0	35
87	Multi Pixel Photon Counters (MPPC) as an Alternative to APD in PET Applications. IEEE Transactions on Nuclear Science, 2010, 57, 1008-1014.	2.0	35
88	Neutron/gamma discrimination properties of composite scintillation detectors. Journal of Instrumentation, 2011, 6, P07007-P07007.	1.2	35
89	Intrinsic energy resolution of pure NaI studied with large area avalanche photodiodes at liquid nitrogen temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 505, 63-67.	1.6	34
90	Energy resolution of small scintillation detectors with SiPM light readout. Journal of Instrumentation, 2013, 8, P02017-P02017.	1.2	34

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91	NEDAâ€”NEutron Detector Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 81-86.	1.6	34
92	Fast neutron and gamma ray pulse shape discrimination in EJ-276 and EJ-276G plastic scintillators. Journal of Instrumentation, 2020, 15, P03030-P03030.	1.2	34
93	Plasma delay and plasma time jitter in subnanosecond timing with a surface barrier detector. Nuclear Instruments & Methods, 1971, 91, 73-77.	1.2	32
94	Energy-transfer and light-collection characteristics for different types of plastic scintillators. Nuclear Instruments & Methods, 1974, 117, 227-232.	1.2	32
95	Identification of light charged particles and heavy ions in silicon detectors by means of pulse-shape discrimination. IEEE Transactions on Nuclear Science, 1996, 43, 1097-1101.	2.0	32
96	Energy resolution and light yield non-proportionality of pure NaI scintillator studied with large area avalanche photodiodes at liquid nitrogen temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 13-17.	1.6	32
97	Identification of different reaction channels of high energy neutrons in liquid scintillators by the pulse shape discrimination method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 343, 563-572.	1.6	31
98	A Further Study of Timing With LSO on XP20D0 for TOF PET. IEEE Transactions on Nuclear Science, 2007, 54, 1464-1473.	2.0	31
99	MPPC Array in the Readout of CsI:Tl, LSO:Ce:Ca, LaBr$_{3}!$:Ce, and BGO Scintillators. IEEE Transactions on Nuclear Science, 2012, 59, 3294-3303.	2.0	31
100	Timing properties of a ZnO(Ga) scintillator (NE843). Nuclear Instruments & Methods, 1975, 125, 443-446.	1.2	30
101	Application of large area avalanche photodiodes to study scintillators at liquid nitrogen temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 307-312.	1.6	30
102	Energy resolution of scintillation detectors. , 2005, , .		30
103	Large area avalanche photodiodes in X-rays and light detection. IEEE Transactions on Nuclear Science, 2000, 47, 1297-1302.	2.0	29
104	Low-temperature spectroscopic and scintillation characterisation of Ti-doped Al2O3. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 546, 523-534.	1.6	29
105	Further Study of Boron-10 Loaded Liquid Scintillators for Detection of Fast and Thermal Neutrons. IEEE Transactions on Nuclear Science, 2010, 57, 375-380.	2.0	29
106	Study of light collection process from cylindrical scintillators. Nuclear Instruments & Methods, 1976, 134, 77-85.	1.2	28
107	Influence of incident light wavelength on time jitter of fast photomultipliers. Nuclear Instruments & Methods, 1977, 141, 319-323.	1.2	28
108	Coexistence features in the spherical-deformedAâ‰Š100 transition region: Picosecond lifetime measurements inSr97,Y97, andZr97. Physical Review C, 1990, 41, 1115-1125.	2.9	28

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109	Excited states in103Sn:Neutron single-particle energies with respect to100Sn. Physical Review C, 2001, 63, .	2.9	28
110	Study of LaBr$_{3}$ Crystals Coupled to Photomultipliers and Avalanche Photodiodes. IEEE Transactions on Nuclear Science, 2008, 55, 1774-1780.	2.0	28
111	A Comparative Study of Undoped NaI Scintillators With Different Purity. IEEE Transactions on Nuclear Science, 2009, 56, 1655-1660.	2.0	28
112	Comparative study of new 130 mm diameter fast photomultipliers for neutron detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 307, 97-109.	1.6	27
113	Performance of large-area avalanche photodiodes at liquid nitrogen temperature. IEEE Transactions on Nuclear Science, 2002, 49, 971-976.	2.0	27
114	Light Pulse Shapes in Liquid Scintillators Originating From Gamma-Rays and Neutrons. IEEE Transactions on Nuclear Science, 2010, 57, 3846-3852.	2.0	27
115	Comparison of SensL and Hamamatsu 4Ã—4 channel SiPM arrays in gamma spectrometry with scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 856, 53-64.	1.6	27
116	Energy-Dependent Scintillation Pulse Shape and Proportionality of Decay Components for CsI:Tl: Modeling with Transport and Rate Equations. Physical Review Applied, 2017, 7, .	3.8	27
117	Timing properties of thin scintillator foils. Nuclear Instruments & Methods, 1975, 123, 341-352.	1.2	26
118	Characterization of Yb:YAG and Yb:YAP scintillators by means of LAAPD at temperature around 100K. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 496, 385-389.	1.6	26
119	Hamamatsu S8550 APD arrays for high-resolution scintillator matrices readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 139-142.	1.6	26
120	Measuring the scintillation decay time for different energy depositions in NaI:Tl, LSO:Ce and CeBr3 scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 749, 68-73.	1.6	26
121	Limitation of the Compton suppression in Ge-BGO Compton suppression spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 280, 73-82.	1.6	25
122	Electron response of some low-Z scintillators in wide energy range. Journal of Instrumentation, 2012, 7, P06011-P06011.	1.2	25
123	Application of a pulse shape selection method to a true coaxial Ge(Li) detector for measurements of nanoseconds half-lives. Nuclear Instruments & Methods, 1970, 80, 233-238.	1.2	24
124	Sudden shape change from spherical to maximally deformed for Aâ‹˜100 nuclei. Nuclear Physics A, 1990, 507, 141-148.	1.5	24
125	A Comparative Study of Silicon Drift Detectors With Photomultipliers, Avalanche Photodiodes and PIN Photodiodes in Gamma Spectrometry With LaBr$_{3}$ Crystals. IEEE Transactions on Nuclear Science, 2009, 56, 1006-1011.	2.0	24
126	Pulse pile-up identification and reconstruction for liquid scintillator based neutron detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 897, 59-65.	1.6	24

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127	Properties of optical greases for BaF2 scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 254, 85-87.	1.6	23
128	Prospects for new fast photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 337, 154-164.	1.6	23
129	Timing Resolution and Decay Time of LSO Crystals Co-Doped With Calcium. IEEE Transactions on Nuclear Science, 2010, 57, 1329-1334.	2.0	23
130	Properties of CdWO₄and ZnWO₄scintillators at liquid nitrogen temperature. Journal of Instrumentation, 2012, 7, P03011-P03011.	1.2	23
131	Test of digital neutronâ€“gamma discrimination with four different photomultiplier tubes for the NEutron Detector Array (NEDA). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 83-91.	1.6	23
132	Conceptual design of the early implementation of the NEutron Detector Array (NEDA) with AGATA. European Physical Journal A, 2016, 52, 1.	2.5	23
133	Reduction of pile-up effects in time and energy measurements. Nuclear Instruments & Methods, 1967, 47, 61-70.	1.2	22
134	Comparative study of large NaI(Tl) and BGO scintillators for the EURopean illicit TRAfficking countermeasures kit project. IEEE Transactions on Nuclear Science, 2006, 53, 1737-1743.	2.0	22
135	Energy resolution of CsI(Na) scintillators. Radiation Measurements, 2010, 45, 377-379.	1.4	22
136	Comparative study of large samples (2" Ã— 2") plastic scintillators and EJ309 liquid with pulse shape discrimination (PSD) capabilities. Journal of Instrumentation, 2014, 9, P06014-P06014.	1.2	22
137	Study of primary energy transfer process in ultrafast plastic scintillators. Nuclear Instruments & Methods, 1978, 155, 221-231.	1.2	21
138	A pulse shape discriminator with high precision of neutron and gamma ray selection at high counting rate. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 275, 322-328.	1.6	21
139	Strong octupole and dipole collectivity inZr96: Indication for octupole instability in theA=100 mass region. Physical Review C, 1990, 42, R811-R814.	2.9	21
140	Particle identification by digital charge comparison method applied to CsI(Tl) crystal coupled to photodiode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 336, 587-590.	1.6	21
141	Limitations of the pulse-shape technique for particle discrimination in planar Si detectors. IEEE Transactions on Nuclear Science, 1997, 44, 1040-1045.	2.0	21
142	Energy Resolution of Calcium Co-Doped LSO:Ce Scintillators. IEEE Transactions on Nuclear Science, 2009, 56, 2972-2978.	2.0	21
143	Luminescence and scintillation characteristics of (GdxY3-x)Al2Ga3O12:Ce (xÂ=Â1,2,3) single crystals. Optical Materials, 2018, 76, 162-168.	3.6	21
144	Silicon photomultipliers in gamma spectroscopy with scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 926, 129-147.	1.6	21

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145	Comparison of YAP and BGO for high-resolution PET detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 404, 413-417.	1.6	20
146	Large size LSO:Ce and YSO:Ce scintillators for 50 MeV range /spl gamma/-ray detector. IEEE Transactions on Nuclear Science, 2000, 47, 1324-1328.	2.0	20
147	Characterization of LFS-3 scintillator in comparison with LSO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 226-230.	1.6	20
148	MPPC Arrays in PET Detectors With LSO and BGO Scintillators. IEEE Transactions on Nuclear Science, 2013, 60, 1533-1540.	2.0	20
149	Scintillation properties of Gd3Al2Ga3O12:Ce, Li and Gd3Al2Ga3O12:Ce, Mg single crystal scintillators: A comparative study. Optical Materials, 2019, 92, 181-186.	3.6	20
150	Properties of the 321 keV level in 125Te. Nuclear Physics A, 1968, 113, 561-563.	1.5	19
151	Timing properties of long scintillation counters based on scintillating fibers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 301, 223-229.	1.6	19
152	Timing properties of Philips XP2020UR photomultiplier. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 324, 269-275.	1.6	19
153	Digital pulse-timing technique for the neutron detector array NEDA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 775, 71-76.	1.6	19
154	Subnanosecond timing with a planar Ge(Li) detector. Nuclear Instruments & Methods, 1972, 100, 293-300.	1.2	18
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