Kristof Pauwels

List of Publications by Year
in descending order

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28	713	516215 16	610482 24
papers	citations	h-index	g-index

28	28	28	767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measurement of intrinsic rise times for various L(Y)SO and LuAG scintillators with a general study of prompt photons to achieve 10 ps in TOF-PET. Physics in Medicine and Biology, 2016, 61, 2802-2837.	1.6	138
2	In Vivo Imaging of S-Layer Nanoarrays on Corynebacterium glutamicum. Langmuir, 2009, 25, 9653-9655.	1.6	52
3	Radiation hardness of LuAG:Ce and LuAG:Pr scintillator crystals. Journal of Crystal Growth, 2012, 361, 212-216.	0.7	47
4	Radiation Tolerance of LuAG:Ce and YAG:Ce Crystals Under High Levels of Gamma- and Proton-Irradiation. IEEE Transactions on Nuclear Science, 2016, 63, 586-590.	1.2	45
5	Ce-doped LuAG single-crystal fibers grown from the melt for high-energy physics. Acta Materialia, 2014, 67, 232-238.	3.8	44
6	A Comprehensive & Systematic Study of Coincidence Time Resolution and Light Yield Using Scintillators of Different Size and Wrapping. IEEE Transactions on Nuclear Science, 2013, 60, 3163-3171.	1.2	38
7	Effect of Aspect Ratio on the Light Output of Scintillators. IEEE Transactions on Nuclear Science, 2012, 59, 2340-2345.	1.2	34
8	Single crystalline LuAG fibers for homogeneous dual-readout calorimeters. Journal of Instrumentation, 2013, 8, P09019-P09019.	0.5	34
9	A Systematic Study to Optimize SiPM Photo-Detectors for Highest Time Resolution in PET. IEEE Transactions on Nuclear Science, 2012, 59, 1798-1804.	1.2	26
10	Measurement of LYSO Intrinsic Light Yield Using Electron Excitation. IEEE Transactions on Nuclear Science, 2016, 63, 475-479.	1.2	25
11	A study of radiation effects on LuAG:Ce(Pr) co-activated with Ca. Journal of Crystal Growth, 2015, 430, 46-51.	0.7	24
12	Detection of high energy muons with sub-20 ps timing resolution using L(Y)SO crystals and SiPM readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 30-35.	0.7	23
13	Test beam results with LuAG fibers for next-generation calorimeters. Journal of Instrumentation, 2013, 8, P10017-P10017.	0.5	22
14	Radiation hardness of Ce-doped sol-gel silica fibers for high energy physics applications. Optics Letters, 2018, 43, 903.	1.7	21
15	DSB:Ce³⁺scintillation glass for future. Journal of Physics: Conference Series, 2015, 587, 012062.	0.3	19
16	Progress in fabrication of long transparent YAG:Ce and YAG:Ce,Mg single crystalline fibers for HEP applications. CrystEngComm, 2019, 21, 1728-1733.	1.3	18
17	Growth of long undoped and Ce-doped LuAG single crystal fibers for dual readout calorimetry. Journal of Crystal Growth, 2016, 435, 31-36.	0.7	17
18	Growth and characterization of Ce-doped YAG and LuAG fibers. Optical Materials, 2017, 65, 66-68.	1.7	15

#	Article	IF	Citations
19	Test beam results of a high granularity LuAG fibre calorimeter prototype. Journal of Instrumentation, 2016, 11, P05004-P05004.	0.5	14
20	Optical properties and radiation hardness of Pr-doped sol-gel silica: Influence of fiber drawing process. Journal of Luminescence, 2017, 192, 661-667.	1.5	14
21	Progress on photonic crystals. , 2010, , .		11
22	Dual Cherenkov and Scintillation Response to High-Energy Electrons of Rare-Earth-Doped Silica Fibers. Physical Review Applied, 2019, 11, .	1.5	9
23	Beam test evaluation of electromagnetic calorimeter modules made from proton-damaged PbWO₄crystals. Journal of Instrumentation, 2016, 11, P04012-P04012.	0.5	8
24	Design and performance of detector modules for the endoscopic PET probe for the FP7-project EndoTOFPET-US. , 2012, , .		6
25	Study of the Angular Distribution of Scintillation Photons. IEEE Transactions on Nuclear Science, 2014, 61, 456-461.	1.2	4
26	Ray tracing simulations in scintillators: A comparison between SLitrani and Geant4. , 2012, , .		3
27	Response of Inorganic Scintillators to Neutrons of 3 and 15 MeV Energy. IEEE Transactions on Nuclear Science, 2014, 61, 472-478.	1.2	2
28	Light yield, angular distribution and coincidence time resolution measurements to improve scintillator simulation models. , 2013, , .		0