

Kristof Pauwels

List of Publications by Year in descending order

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767
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Progress in fabrication of long transparent YAG:Ce and YAG:Ce,Mg single crystalline fibers for HEP applications. CrystEngComm, 2019, 21, 1728-1733. | 2.6 | 18 |
| 2 | Dual Cherenkov and Scintillation Response to High-Energy Electrons of Rare-Earth-Doped Silica Fibers. Physical Review Applied, 2019, 11, . | 3.8 | 9 |
| 3 | Radiation hardness of Ce-doped sol-gel silica fibers for high energy physics applications. Optics Letters, 2018, 43, 903. | 3.3 | 21 |
| 4 | Optical properties and radiation hardness of Pr-doped sol-gel silica: Influence of fiber drawing process. Journal of Luminescence, 2017, 192, 661-667. | 3.1 | 14 |
| 5 | Growth and characterization of Ce-doped YAG and LuAG fibers. Optical Materials, 2017, 65, 66-68. | 3.6 | 15 |
| 6 | Test beam results of a high granularity LuAG fibre calorimeter prototype. Journal of Instrumentation, 2016, 11, P05004-P05004. | 1.2 | 14 |
| 7 | Beam test evaluation of electromagnetic calorimeter modules made from proton-damaged PbWO ₄ crystals. Journal of Instrumentation, 2016, 11, P04012-P04012. | 1.2 | 8 |
| 8 | 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. | 2.0 | 45 |
| 9 | Measurement of LYSO Intrinsic Light Yield Using Electron Excitation. IEEE Transactions on Nuclear Science, 2016, 63, 475-479. | 2.0 | 25 |
| 10 | 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. | 1.6 | 23 |
| 11 | Growth of long undoped and Ce-doped LuAG single crystal fibers for dual readout calorimetry. Journal of Crystal Growth, 2016, 435, 31-36. | 1.5 | 17 |
| 12 | 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. | 3.0 | 138 |
| 13 | DSB:Ce ³⁺ scintillation glass for future. Journal of Physics: Conference Series, 2015, 587, 012062. | 0.4 | 19 |
| 14 | A study of radiation effects on LuAG:Ce(Pr) co-activated with Ca. Journal of Crystal Growth, 2015, 430, 46-51. | 1.5 | 24 |
| 15 | Ce-doped LuAG single-crystal fibers grown from the melt for high-energy physics. Acta Materialia, 2014, 67, 232-238. | 7.9 | 44 |
| 16 | Study of the Angular Distribution of Scintillation Photons. IEEE Transactions on Nuclear Science, 2014, 61, 456-461. | 2.0 | 4 |
| 17 | Response of Inorganic Scintillators to Neutrons of 3 and 15 MeV Energy. IEEE Transactions on Nuclear Science, 2014, 61, 472-478. | 2.0 | 2 |
| 18 | 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. | 2.0 | 38 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Test beam results with LuAG fibers for next-generation calorimeters. Journal of Instrumentation, 2013, 8, P10017-P10017. | 1.2 | 22 |
| 20 | Single crystalline LuAG fibers for homogeneous dual-readout calorimeters. Journal of Instrumentation, 2013, 8, P09019-P09019. | 1.2 | 34 |
| 21 | Light yield, angular distribution and coincidence time resolution measurements to improve scintillator simulation models. , 2013, , . | | 0 |
| 22 | Design and performance of detector modules for the endoscopic PET probe for the FP7-project EndoTOFPET-US. , 2012, , . | | 6 |
| 23 | Radiation hardness of LuAG:Ce and LuAG:Pr scintillator crystals. Journal of Crystal Growth, 2012, 361, 212-216. | 1.5 | 47 |
| 24 | A Systematic Study to Optimize SiPM Photo-Detectors for Highest Time Resolution in PET. IEEE Transactions on Nuclear Science, 2012, 59, 1798-1804. | 2.0 | 26 |
| 25 | Ray tracing simulations in scintillators: A comparison between SLitrani and Geant4. , 2012, , . | | 3 |
| 26 | Effect of Aspect Ratio on the Light Output of Scintillators. IEEE Transactions on Nuclear Science, 2012, 59, 2340-2345. | 2.0 | 34 |
| 27 | Progress on photonic crystals. , 2010, , . | | 11 |
| 28 | In Vivo Imaging of S-Layer Nanoarrays on <i>Corynebacterium glutamicum</i>. Langmuir, 2009, 25, 9653-9655. | 3.5 | 52 |