

Stephen Derenzo

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

217
citations

1684188
5
h-index

1588992
8
g-index

9
all docs

9
docs citations

9
times ranked

323
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|-----|-----------|
| 1 | Direct detection of sub-GeV dark matter with scintillating targets. Physical Review D, 2017, 96, . | 4.7 | 110 |
| 2 | New scintillators discovered by high-throughput screening. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 247-250. | 1.6 | 49 |
| 3 | Identification and development of nanoscintillators for biotechnology applications. Journal of Luminescence, 2014, 154, 569-577. | 3.1 | 27 |
| 4 | Cryogenic scintillation properties of n-type GaAs for the direct detection of MeV/c ² dark matter. Journal of Applied Physics, 2018, 123, . | 2.5 | 15 |
| 5 | Optimized scintillator YAG:Pr nanoparticles for X-ray inducible photodynamic therapy. Materials Letters, 2018, 228, 49-52. | 2.6 | 8 |
| 6 | GaAs as a Bright Cryogenic Scintillator for the Detection of Low-Energy Electron Recoils From MeV/c ² Dark Matter. IEEE Transactions on Nuclear Science, 2019, 66, 2333-2337. | 2.0 | 3 |
| 7 | How silicon and boron dopants govern the cryogenic scintillation properties of N-type GaAs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 989, 164957. | 1.6 | 3 |
| 8 | Monte Carlo calculations of the extraction of scintillation light from cryogenic N-type GaAs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1034, 166803. | 1.6 | 2 |
| 9 | Monte Carlo Calculations of the Detection Efficiency of Composite Scintillator Arrays for Fast and Moderated Neutrons, and for Gamma-Ray Spectroscopy. IEEE Transactions on Nuclear Science, 2020, 67, 888-893. | 2.0 | 0 |