

Charalambos Lambropoulos

List of Publications by Year in descending order

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85
papers

2,539
citations

212478

28
h-index

223390

49
g-index

85
all docs

85
docs citations

85
times ranked

2505
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | GEANT4 simulation study of the response of a miniature radiation detector in Galactic Cosmic Rays and inside a spacecraft. <i>Journal of Space Weather and Space Climate</i> , 2022, 12, 8. | 1.1 | 0 |
| 2 | MIDAS: A Miniature Device for Real-Time Determination of the Identity and Energy of Particles in Space. <i>Space Weather</i> , 2020, 18, e2019SW002344. | 1.3 | 3 |
| 3 | The MIDAS dosimeter/particle monitor of charged particles and neutrons for space environment. <i>Radiation Measurements</i> , 2020, 135, 106347. | 0.7 | 0 |
| 4 | Miniature neutron spectrometer for space. <i>Journal of Instrumentation</i> , 2019, 14, C11029-C11029. | 0.5 | 0 |
| 5 | Performance Comparison of X- and γ -Ray CdTe Detectors With MoO_x , TiO_x , and TiN Schottky Contacts. <i>IEEE Transactions on Nuclear Science</i> . 2018, 65, 1365-1370. | 1.2 | 12 |
| 6 | Imaging of spatially extended hot spots with coded apertures for intra-operative nuclear medicine applications. <i>Journal of Instrumentation</i> , 2017, 12, C01059-C01059. | 0.5 | 11 |
| 7 | Architecture and characterization of the P4DI CMOS hybrid pixel sensor. <i>Journal of Instrumentation</i> , 2017, 12, P09031-P09031. | 0.5 | 1 |
| 8 | Radioactive source localization by a two detector system. <i>Journal of Instrumentation</i> , 2015, 10, C12022-C12022. | 0.5 | 7 |
| 9 | 3-D localization of gamma ray sources with coded apertures for medical applications. <i>Journal of Physics: Conference Series</i> , 2015, 637, 012016. | 0.3 | 7 |
| 10 | Hybrid Pixel Detectors for gamma/X-ray imaging. <i>Journal of Physics: Conference Series</i> , 2015, 637, 012015. | 0.3 | 0 |
| 11 | A setup for gamma ray sources localization using coded apertures and CdTe detectors. , 2014, , . | | 0 |
| 12 | X-Ray wide dynamic range imaging. , 2014, , . | | 0 |
| 13 | A CdTe-CMOS hybrid for energy, position and time identification. , 2014, , . | | 1 |
| 14 | Optimal width of barrier region in X/γ -ray Schottky diode detectors based on CdTe and CdZnTe. <i>Journal of Applied Physics</i> , 2013, 113, . | 1.1 | 27 |
| 15 | Self-compensation limited conductivity in semi-insulating indium-doped Cd _{0.9} Zn _{0.1} Te crystals. <i>Journal of Applied Physics</i> , 2012, 112, . | 1.1 | 7 |
| 16 | Concentration of uncompensated impurities as a key parameter of CdTe and CdZnTe crystals for Schottky diode γ -ray detectors. <i>Semiconductor Science and Technology</i> , 2012, 27, 015007. | 1.0 | 24 |
| 17 | High energy resolution CdTe Schottky diode γ -ray detectors. , 2012, , . | | 4 |
| 18 | The COCAE Detector: An Instrument for Localization and Identification of Radioactive Sources. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 2363-2370. | 1.2 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Simulated Performance of Algorithms for the Localization of Radioactive Sources from a Position Sensitive Radiation Detecting System (COCAE). AIP Conference Proceedings, 2011, , . | 0.3 | 2 |
| 20 | Pixel electronics for a hybrid x/gamma-ray imager. , 2010, , . | | 3 |
| 21 | Gamma spectroscopic measurements using the PID350 pixelated CdTe radiation detector. , 2010, , . | | 5 |
| 22 | The COCAE detector: An instrument for localization — Identification of radioactive sources. , 2010, , . | | 1 |
| 23 | Special features of conductivity of semi-intrinsic CdTe and CdZnTe single crystals used in X- and $\hat{\Gamma}^3$ -ray detectors. Proceedings of SPIE, 2010, , . | 0.8 | 1 |
| 24 | Simulation studies and spectroscopic measurements of a position sensitive detector based on pixelated CdTe crystals. , 2010, , . | | 1 |
| 25 | Modification of the surface state and doping of CdTe and CdZnTe crystals by pulsed laser irradiation. Applied Surface Science, 2009, 255, 9813-9816. | 3.1 | 24 |
| 26 | A pixel design for X-ray imaging with CdTe sensors. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3862-3864. | 0.8 | 0 |
| 27 | Features of characteristics and stability of CdTe nuclear radiation detectors fabricated by laser doping technique. , 2008, , . | | 8 |
| 28 | Charge collection properties of a CdTe Schottky diode for x- and $\hat{\Gamma}^3$ -rays detectors. Semiconductor Science and Technology, 2008, 23, 075024. | 1.0 | 24 |
| 29 | Portable 8 channel DAQ system for Cd(Zn)Te sensors. , 2008, , . | | 0 |
| 30 | Charge integrating ASIC with pixel level A/D conversion. , 2007, , . | | 0 |
| 31 | First evidence of hard scattering processes in single tagged $\hat{\Gamma}^3\hat{\Gamma}^3$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 402-416. | 1.5 | 12 |
| 32 | Observation of orbitally excited B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 598-608. | 1.5 | 76 |
| 33 | Production of charged particles, K_S^0 , K^{\pm} , p and $\hat{\Gamma}^+$ in events and in the decay of b hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 347, 447-466. | 1.5 | 38 |
| 34 | The ring imaging Cherenkov detector of DELPHI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 343, 68-73. | 0.7 | 58 |
| 35 | J/ψ production in the hadronic decays of the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 341, 109-122. | 1.5 | 28 |
| 36 | A measurement of the B_s^0 meson mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 500-508. | 1.5 | 14 |

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|----|--|-----|-----------|
| 37 | Interference of neutral kaons in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 323, 242-252. | 1.5 | 13 |
| 38 | Charged kaon production in tau decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 435-449. | 1.5 | 15 |
| 39 | Measurement of the $e^+e^- \rightarrow \tau^+ \tau^- \pi^0$ cross section at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 386-396. | 1.5 | 30 |
| 40 | Measurement of the mixing using the average electric charge of hadron-jets in Z0-decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 322, 459-472. | 1.5 | 10 |
| 41 | Measurement of time dependent mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 409-420. | 1.5 | 13 |
| 42 | Search for the standard model Higgs boson in Z0 decays. Nuclear Physics B, 1994, 421, 3-37. | 0.9 | 28 |
| 43 | Improved measurements of cross sections and asymmetries at the Z0 resonance. Nuclear Physics B, 1994, 418, 403-427. | 0.9 | 64 |
| 44 | Measurements of the lineshape of the Z0 and determination of electroweak parameters from its hadronic and leptonic decays. Nuclear Physics B, 1994, 417, 3-57. | 0.9 | 24 |
| 45 | A measurement of the tau lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 302, 356-368. | 1.5 | 17 |
| 46 | A measurement of the mean lifetimes of charged and neutral B-hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 312, 253-266. | 1.5 | 15 |
| 47 | Measurement of $\hat{b} \rightarrow b$ production and lifetime in Z0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 379-390. | 1.5 | 26 |
| 48 | Determination of \hat{S} from the scaling violation in the fragmentation functions in e^+e^- annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 408-424. | 1.5 | 41 |
| 49 | A study of $B^0 \rightarrow \bar{B}^0$ mixing using semileptonic decays of B hadrons produced from Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 301, 145-154. | 1.5 | 16 |
| 50 | Limits on the production of scalar leptoquarks from Z0 decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 620-630. | 1.5 | 29 |
| 51 | A search for lepton flavour violation in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 247-256. | 1.5 | 9 |
| 52 | Production of \hat{b} and \hat{b} correlations in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 249-262. | 1.5 | 45 |
| 53 | Measurement of the triple-gluon vertex from 4-jet events at LEP. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 357-368. | 1.5 | 34 |
| 54 | Determination of \hat{S} for b quarks at the Z0 resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 307, 221-236. | 1.5 | 19 |

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|----|---|-----|-----------|
| 55 | Search for Z0 decays to two leptons and a charged particle-antiparticle pair. Nuclear Physics B, 1993, 403, 3-24. | 0.9 | 7 |
| 56 | Multiplicity dependence of mean transverse momentum in e^+e^- annihilations at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 254-262. | 1.5 | 6 |
| 57 | A search for neutral Higgs particles in Z0 decays. Nuclear Physics B, 1992, 373, 3-34. | 0.9 | 38 |
| 58 | Multiplicity fluctuations in hadronic final states from the decay of the Z0. Nuclear Physics B, 1992, 386, 471-492. | 0.9 | 23 |
| 59 | The Barrel Ring Imaging Cherenkov counter of DELPHI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 323, 351-362. | 0.7 | 61 |
| 60 | Evidence for B _S meson production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 289, 199-210. | 1.5 | 38 |
| 61 | Bose-Einstein correlations in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 286, 201-210. | 1.5 | 69 |
| 62 | Searches for heavy neutrinos from Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 230-238. | 1.5 | 22 |
| 63 | A measurement of $\sin^2\theta_W$ from the charge asymmetry of hadronic events at the Z0 peak. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 371-382. | 1.5 | 27 |
| 64 | Search for scalar leptoquarks from Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 222-230. | 1.5 | 22 |
| 65 | Production of strange particles in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 231-242. | 1.5 | 43 |
| 66 | Measurement of the Z0 branching fraction to b quark pairs using the boosted sphericity product. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 281, 383-393. | 1.5 | 9 |
| 67 | A measurement of the b forward-backward asymmetry using the semileptonic decay into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 536-546. | 1.5 | 21 |
| 68 | Study of orientation of three-jet events in Z0 hadronic decays using the DELPHI detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 498-506. | 1.5 | 13 |
| 69 | Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 383-395. | 1.5 | 36 |
| 70 | Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. Nuclear Physics B, 1991, 367, 511-574. | 0.9 | 65 |
| 71 | The DELPHI detector at LEP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 303, 233-276. | 0.7 | 398 |
| 72 | Charged particle multiplicity distributions in restricted rapidity intervals in Z0 hadronic decays. Zeitschrift für Physik C-Particles and Fields, 1991, 52, 271-281. | 1.5 | 52 |

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|----|--|-----|-----------|
| 73 | The reaction $e^+e^- \rightarrow \tau^+ \tau^- \hat{1}^3(\hat{1}^3)$ at Z0 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 296-304. | 1.5 | 32 |
| 74 | A measurement of the lifetime of the tau lepton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 422-430. | 1.5 | 17 |
| 75 | A study of the reaction $e^+e^- \rightarrow \tau^+ \tau^- \hat{1}^4 + \hat{1}^4 \hat{1}^4$ around the Z0 pole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 260, 240-248. | 1.5 | 9 |
| 76 | Search for pair production of neutral Higgs bosons in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 245, 276-288. | 1.5 | 47 |
| 77 | Study of hadronic decays of the Z0 boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 271-282. | 1.5 | 90 |
| 78 | A study of intermittency in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 137-147. | 1.5 | 71 |
| 79 | Search for scalar quarks in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 148-156. | 1.5 | 25 |
| 80 | A search for sleptons and gauginos in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 157-166. | 1.5 | 61 |
| 81 | Measurement of the partial width of the decay of the Z0 into charm quark pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 140-148. | 1.5 | 20 |
| 82 | A precise measurement of the Z resonance parameters through its hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 435-448. | 1.5 | 56 |
| 83 | Search for heavy charged scalars in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 449-458. | 1.5 | 38 |
| 84 | Search for light neutral Higgs particles produced in Z0-decays. Nuclear Physics B, 1990, 342, 1-14. | 0.9 | 50 |
| 85 | Measurement of the mass and width of the Z0-particle from multihadronic final states produced in e^+e^- annihilations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 231, 539-547. | 1.5 | 200 |