

# Antonin Portelli

## List of Publications by Year in descending order

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36  
papers

2,775  
citations

430442

18  
h-index

414034

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

4673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic finite-size effects beyond the point-like approximation. EPJ Web of Conferences, 2022, 258, 06001.	0.1	1
2	Relativistic, model-independent determination of electromagnetic finite-size effects beyond the pointlike approximation. Physical Review D, 2022, 105, .	1.6	7
3	Renormalization of the energy-momentum tensor in three-dimensional scalar SU(N) theories using the Wilson flow. Physical Review D, 2021, 103, .	1.6	1
4	Nonperturbative Infrared Finiteness in a Superrenormalizable Scalar Quantum Field Theory. Physical Review Letters, 2021, 126, 221601.	2.9	6
5	The anomalous magnetic moment of the muon in the Standard Model. Physics Reports, 2020, 887, 1-166.	10.3	790
6	Latest Results on Lattice Calculation Concerning $K \rightarrow \pi \ell \nu$ Decays. Journal of Physics: Conference Series, 2020, 1526, 012015.	0.3	0
7	FLAG Review 2019. European Physical Journal C, 2020, 80, 1.	1.4	486
8	Electromagnetic finite-size effects to the hadronic vacuum polarization. Physical Review D, 2019, 100, .	1.6	9
9	Theoretical aspects of quantum electrodynamics in a finite volume with periodic boundary conditions. Physical Review D, 2019, 99, .	1.6	16
10	Lattice QCD study of the rare kaon decay $K \rightarrow \pi \ell \nu$ at a near-physical pion mass. Physical Review D, 2019, 100, .	1.6	12
11	Current Status of inclusive hadronic tau determinations of $ V_{us} $ . , 2019, , .		4
12	Numerical investigation of finite-volume effects for the HVP. EPJ Web of Conferences, 2018, 175, 06022.	0.1	0
13	$ V_{us} $ determination from inclusive strange tau decay and lattice HVP. EPJ Web of Conferences, 2018, 175, 13011.	0.1	2
14	Isospin Breaking Corrections to the HVP with Domain Wall Fermions. EPJ Web of Conferences, 2018, 175, 06024.	0.1	0
15	Novel Determination Using Inclusive Strange $ V_{us} $ . , 2018, , .	2.9	11
16	Calculation of the Hadronic Vacuum Polarization Contribution to the Muon Anomalous Magnetic Moment. Physical Review Letters, 2018, 121, 022003.	1.6	14
17	Exploratory Lattice QCD Study of the Rare Kaon Decay $K \rightarrow \pi \ell \nu$ . Physical Review D, 2018, 98, .	2.9	227
18	Calculation of the Hadronic Vacuum Polarization Contribution to the Muon Anomalous Magnetic Moment. Physical Review Letters, 2017, 118, 252001.	2.9	52

#	ARTICLE	IF	CITATIONS
19	Isospin breaking corrections to meson masses and the hadronic vacuum polarization: a comparative study. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	37
20	Electromagnetic Corrections to Meson Masses and the HVP. , 2017, , .		3
21	First exploratory calculation of the long-distance contributions to the rare kaon decays $K \rightarrow \pi^0 \ell^+ \ell^-$ . <i>Physical Review D</i> , 2016, 94, .	1.6	24
22	Quantum electrodynamics in finite volume and nonrelativistic effective field theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 245-248.	1.5	15
23	Up and Down Quark Masses and Corrections to Dashen's Theorem from Lattice QCD and Quenched QED. <i>Physical Review Letters</i> , 2016, 117, 082001.	2.9	48
24	Low energy constants of $S(U)$ $T_j$ ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (stretchy="false")	1.6	43
25	Prospects for a lattice computation of rare kaon decay amplitudes. II. $K \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2016, 93, .	1.6	25
26	Lattice Computation of the Nucleon Scalar Quark Contents at the Physical Point. <i>Physical Review Letters</i> , 2016, 116, 172001.	2.9	102
27	Domain wall QCD with physical quark masses. <i>Physical Review D</i> , 2016, 93, .	1.6	168
28	Calculation of the Hadronic Vacuum Polarization Disconnected Contribution to the Muon Anomalous Magnetic Moment. <i>Physical Review Letters</i> , 2016, 116, 232002.	2.9	62
29	Lattice calculation of the leading strange quark-connected contribution to the muon $g \hat{\alpha}'^2$ . <i>Journal of High Energy Physics</i> , 2016, 2016, 1-20.	1.6	14
30	Grid: A next generation data parallel C++ QCD library. , 2016, , .		21
31	Prospects for a lattice computation of rare kaon decay amplitudes: $K \rightarrow \pi^0 \ell^+ \ell^-$ . <i>Physical Review D</i> , 2015, 92, .	1.6	25
32	Ab initio calculation of the neutron-proton mass difference. <i>Science</i> , 2015, 347, 1452-1455.	6.0	263
33	Lattice QCD at the physical point meets $S(U)$ $T_j$ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 177 Td (stretchy="false") 2014, 98, .		
34	Isospin Splittings in the Light-Baryon Octet from Lattice QCD and QED. <i>Physical Review Letters</i> , 2013, 111, 252001.	2.9	67
35	Sigma term and strangeness content of octet baryons. <i>Physical Review D</i> , 2012, 85, .	1.6	80
36	Precision computation of the kaon bag parameter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 705, 477-481.	1.5	76