

# Apostolos Pilaftsis

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83  
papers

5,327  
citations

34  
h-index

72  
g-index

88  
ext. papers

5,802  
ext. citations

4.2  
avg, IF

6.35  
L-index

#	Paper	IF	Citations
83	Quantizing the Eisenhart lift. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	2
82	Frame covariant formalism for fermionic theories. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	4
81	Simulations of domain walls in Two Higgs Doublet Models. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
80	Maximally symmetric three-Higgs-doublet model. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	1
79	Accidental symmetries in the 2HDMEFT. <i>Nuclear Physics B</i> , <b>2020</b> , 960, 115171	2.8	5
78	Radiative neutrino masses in the $\mathbf{RMSSM}$ . <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	2
77	Frame covariance in quantum gravity. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	8
76	Classifying accidental symmetries in multi-Higgs doublet models. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	13
75	Goldstone boson effects on vacuum decay. <i>Nuclear Physics B</i> , <b>2020</b> , 956, 115034	2.8	
74	Domain wall constraints on two-Higgs-doublet models with $Z_2$ symmetry. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	2
73	Charged Higgs bosons in naturally aligned two-Higgs-doublet models at the LHC. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	3
72	Gauge-independent approach to resonant dark matter annihilation. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
71	Quartic coupling unification in the maximally symmetric 2HDM. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	10
70	Frame covariant nonminimal multifield inflation. <i>Nuclear Physics B</i> , <b>2018</b> , 927, 219-254	2.8	27
69	Eisenhart lift for field theories. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	10
68	Protecting the stability of the electroweak vacuum from Planck-scale gravitational effects. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	10
67	Enhanced rates for diphoton resonances in the MSSM. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 175-180	4.2	2

66	Exact RG invariance and symmetry improved 2PI effective potential. <i>Nuclear Physics B</i> , <b>2017</b> , 920, 298-318	12
65	Natural Alignment in the Two Higgs Doublet Model. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 873, 012008	6
64	Symmetries for standard model alignment in multi-Higgs doublet models. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9 23
63	Flavour Covariant Formalism for Resonant Leptogenesis. <i>Nuclear and Particle Physics Proceedings</i> , <b>2016</b> , 273-275, 268-274	0.4 2
62	Symmetry-improved 2PI approach to the Goldstone-boson IR problem of the SM effective potential. <i>Nuclear Physics B</i> , <b>2016</b> , 906, 381-407	2.8 22
61	Frame-covariant formulation of inflation in scalar-curvature theories. <i>Nuclear Physics B</i> , <b>2016</b> , 907, 785-818	32
60	Kadanoff-Baym approach to flavour mixing and oscillations in resonant leptogenesis. <i>Nuclear Physics B</i> , <b>2015</b> , 891, 128-158	2.8 57
59	Matter quantum corrections to the graviton self-energy and the Newtonian potential. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9 8
58	Neutrinos and collider physics. <i>New Journal of Physics</i> , <b>2015</b> , 17, 075019	2.9 296
57	Mass bounds on light and heavy neutrinos from radiative minimal-flavor-violation leptogenesis. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9 13
56	Natural Standard Model Alignment in the Two Higgs Doublet Model. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 631, 012030	0.3 7
55	Flavour effects in Resonant Leptogenesis from semi-classical and Kadanoff-Baym approaches. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 631, 012087	0.3 5
54	Lepton dipole moments in supersymmetric low-scale seesaw models. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9 4
53	Flavour covariant transport equations: An application to resonant leptogenesis. <i>Nuclear Physics B</i> , <b>2014</b> , 886, 569-664	2.8 104
52	New Production Mechanism for Heavy Neutrinos at the LHC. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4 107
51	Maximally symmetric two Higgs doublet model with natural standard model alignment. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4 126
50	Maximally symmetric two Higgs doublet model with natural standard model alignment <b>2014</b> , 2014, 1	1
49	Perturbative non-equilibrium thermal field theory to all orders in gradient expansion. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 56-62	4.2 14

48	Symmetry-improved CJT effective action. <i>Nuclear Physics B</i> , <b>2013</b> , 874, 594-619	2.8	35
47	ANOMALOUS FERMION MASS GENERATION AT THREE LOOPS. <i>Modern Physics Letters A</i> , <b>2013</b> , 28, 1350083		6
46	Charged lepton flavor violation in supersymmetric low-scale seesaw models. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	27
45	Perturbative nonequilibrium thermal field theory. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	28
44	Advances in Leptogenesis. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 447, 012007	0.3	6
43	On the classification of accidental symmetries of the two Higgs doublet model potential. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 706, 465-469	4.2	36
42	CP violation in correlated production and decay of unstable particles. <i>Nuclear Physics B</i> , <b>2012</b> , 856, 682-693		8
41	Minimal radiative neutrino mass mechanism for inverse seesaw models. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	108
40	Radiative corrections to scalar masses and mixing in a scale invariant two Higgs doublet model. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	22
39	Maximal electric dipole moments of nuclei with enhanced Schiff moments. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	31
38	Vacuum topology of the two Higgs doublet model. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	62
37	Lepton flavor violation and $\mu\tau$ in minimal resonant leptogenesis. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	56
36	Flavour geometry and effective Yukawa couplings in the MSSM. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	7
35	The minimal scale invariant extension of the Standard Model. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	99
34	A geometric approach to CP violation: applications to the MCPMFV SUSY model. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	24
33	The Hunt for New Physics at the Large Hadron Collider. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2010</b> , 200-202, 185-417		99
32	The 1-loop effective potential in nonlinear gauges. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2009</b> , 36, 045006	2.9	15
31	Supersymmetric lepton flavor violation in low-scale seesaw models. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	19

30	Electroweak resonant leptogenesis in the singlet Majoron model. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	30
29	Thermal right-handed sneutrino dark matter in the FD-term model of hybrid inflation. <i>Journal of High Energy Physics</i> , <b>2008</b> , 2008, 080-080	5.4	33
28	Supersymmetric Higgs singlet effects on B-meson flavor-changing neutral current observables at large $\tan \beta$ <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	13
27	Electric dipole moments in the MSSM reloaded. <i>Journal of High Energy Physics</i> , <b>2008</b> , 2008, 049-049	5.4	115
26	B-meson observables in the maximally CP-violating MSSM with minimal flavor violation. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	47
25	Resonant CP violation due to heavy neutrinos at the LHC. <i>Nuclear Physics B</i> , <b>2007</b> , 786, 95-118	2.8	72
24	Anatomy of FD-term hybrid inflation. <i>Journal of High Energy Physics</i> , <b>2006</b> , 2006, 038-038	5.4	52
23	Displacement operator formalism for renormalization and gauge dependence to all orders. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	12
22	Diffraction as a CP and lineshape analyzer for MSSM Higgs bosons at the CERN LHC. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	27
21	Quantization and high energy unitarity of 5D orbifold theories with brane kinetic terms. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	11
20	Electroweak-scale resonant leptogenesis. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	266
19	Resonant tau leptogenesis with observable lepton number violation. <i>Physical Review Letters</i> , <b>2005</b> , 95, 081602	7.4	108
18	Resonant CP violation in Higgs radiation at an $e+e$ linear collider. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	20
17	CERN LHC signatures of resonant CP violation in a minimal supersymmetric Higgs sector. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	59
16	Resonant leptogenesis. <i>Nuclear Physics B</i> , <b>2004</b> , 692, 303-345	2.8	550
15	Gauge and scheme dependence of mixing matrix renormalization. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	27
14	HEAVY MAJORANA NEUTRINOS AND BARYOGENESIS. <i>International Journal of Modern Physics A</i> , <b>1999</b> , 14, 1811-1857	1.2	182
13	Higgs-boson two-loop contributions to electric dipole moments in the MSSM. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 471, 174-181	4.2	113

12	Higgs bosons in the minimal supersymmetric standard model with explicit CP violation. <i>Nuclear Physics B</i> , <b>1999</b> , 553, 3-42	2.8	336
11	Higgs-boson low-energy theorem and compatible gauge-fixing conditions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 422, 201-211	4.2	9
10	Higgs scalar-pseudoscalar mixing in the minimal supersymmetric Standard Model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 435, 88-100	4.2	229
9	Gauge- and renormalization-group-invariant formulation of the Higgs-boson resonance. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	44
8	Effective Charge of the Higgs Boson. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2785-2788	7.4	37
7	CP violation and baryogenesis due to heavy Majorana neutrinos. <i>Physical Review D</i> , <b>1997</b> , 56, 5431-5451	4.9	483
6	Generalized pinch technique and the background field method in general gauges. <i>Nuclear Physics B</i> , <b>1997</b> , 487, 467-491	2.8	61
5	Resonant CP violation induced by particle mixing in transition amplitudes. <i>Nuclear Physics B</i> , <b>1997</b> , 504, 61-107	2.8	203
4	Mixing renormalization in Majorana neutrino theories. <i>Nuclear Physics B</i> , <b>1996</b> , 474, 286-308	2.8	74
3	Gauge-independent approach to resonant transition amplitudes. <i>Physical Review D</i> , <b>1996</b> , 53, 2128-2149	4.9	63
2	Gauge invariance and unstable particles. <i>Physical Review Letters</i> , <b>1995</b> , 75, 3060-3063	7.4	83
1	Radiatively induced neutrino masses and large Higgs-neutrino couplings in the Standard Model with Majorana fields. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 55, 275-282		260