

Peter Millington

List of Publications by Year in descending order

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49
papers

1,061
citations

361413

20
h-index

414414

32
g-index

53
all docs

53
docs citations

53
times ranked

528
citing authors

#	ARTICLE	IF	CITATIONS
1	Fifth forces and broken scale symmetries in the Jordan frame. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 016.	5.4	4
2	IR/UV mixing from local similarity maps of scalar non-Hermitian field theories. <i>Physical Review D</i> , 2022, 105, .	4.7	2
3	Statistics on Lefschetz thimbles: Bell/Leggett-Garg inequalities and the classical-statistical approximation. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	2
4	Fifth-force screening around extremely compact sources. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 052.	5.4	6
5	Benchmarking regulator-sourced 2PI and average 1PI flow equations in zero dimensions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 465401.	2.1	4
6	PT -symmetric non-Hermitian quantum field theories with supersymmetry. <i>Physical Review D</i> , 2020, 101, .	4.7	15
7	Spontaneously breaking non-Abelian gauge symmetry in non-Hermitian field theories. <i>Physical Review D</i> , 2020, 101, .	4.7	22
8	Discrete spacetime symmetries and particle mixing in non-Hermitian scalar quantum field theories. <i>Physical Review D</i> , 2020, 102, .	4.7	17
9	Visualising quantum effective action calculations in zero dimensions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 405401.	2.1	15
10	Open quantum dynamics induced by light scalar fields. <i>Physical Review D</i> , 2019, 100, .	4.7	13
11	Gauge invariance and the Englert-Brout-Higgs mechanism in non-Hermitian field theories. <i>Physical Review D</i> , 2019, 99, .	4.7	25
12	Symmetron scalar fields: Modified gravity, dark matter, or both?. <i>Physical Review D</i> , 2019, 99, .	4.7	23
13	Particle level screening of scalar forces in 1+1 dimensions. <i>Physical Review D</i> , 2019, 99, .	4.7	4
14	Alternative flow equation for the functional renormalization group. <i>Physical Review D</i> , 2019, 100, .	4.7	10
15	Quasi-normal modes and fermionic vacuum decay around a Kerr black hole. <i>Classical and Quantum Gravity</i> , 2019, 36, 035005.	4.0	2
16	Flavor effects in leptogenesis. <i>International Journal of Modern Physics A</i> , 2018, 33, 1842001.	1.5	69
17	Resonant enhancement in leptogenesis. <i>International Journal of Modern Physics A</i> , 2018, 33, 1842003.	1.5	67
18	Status of rates and rate equations for thermal leptogenesis. <i>International Journal of Modern Physics A</i> , 2018, 33, 1842004.	1.5	38

#	ARTICLE	IF	CITATIONS
19	Radiative effects on false vacuum decay in Higgs-Yukawa theory. <i>Physical Review D</i> , 2018, 98, .	4.7	11
20	Consistent description of field theories with non-Hermitian mass terms. <i>Journal of Physics: Conference Series</i> , 2018, 952, 012012.	0.4	13
21	Fluctuations about the Fubini-Lipatov instanton for false vacuum decay in classically scale invariant models. <i>Physical Review D</i> , 2018, 98, .	4.7	7
22	Fifth forces, Higgs portals and broken scale invariance. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 036-036.	5.4	21
23	Boltzmann equations for preheating. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 041-041.	5.4	4
24	Non-perturbative aspects of galileon duality. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	4
25	Spontaneous symmetry breaking and the Goldstone theorem in non-Hermitian field theories. <i>Physical Review D</i> , 2018, 98, .	4.7	40
26	Radial acceleration relation from symmetron fifth forces. <i>Physical Review D</i> , 2017, 95, .	4.7	33
27	Symmetries and conservation laws in non-Hermitian field theories. <i>Physical Review D</i> , 2017, 96, .	4.7	49
28	Self-consistent radiative corrections to false vacuum decay. <i>Journal of Physics: Conference Series</i> , 2017, 873, 012041.	0.4	5
29	Fock-space projection operators for semi-inclusive final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 706-709.	4.1	0
30	Working directly with probabilities in quantum field theory. <i>Journal of Physics: Conference Series</i> , 2017, 880, 012041.	0.4	2
31	Light neutrino masses from a non-Hermitian Yukawa theory. <i>Journal of Physics: Conference Series</i> , 2017, 873, 012047.	0.4	18
32	Lepton asymmetry from mixing and oscillations. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	22
33	Probabilities and signalling in quantum field theory. <i>Physical Review D</i> , 2016, 93, .	4.7	13
34	Flavour Covariant Formalism for Resonant Leptogenesis. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 268-274.	0.5	3
35	Radiative Screening of Fifth Forces. <i>Physical Review Letters</i> , 2016, 117, 211102.	7.8	22
36	Constraining the effective action by a method of external sources. <i>Nuclear Physics B</i> , 2016, 906, 105-132.	2.5	23

#	ARTICLE	IF	CITATIONS
37	Green's function method for handling radiative effects on false vacuum decay. Physical Review D, 2015, 91, .	4.7	24
38	Self-consistent solitons for vacuum decay in radiatively generated potentials. Physical Review D, 2015, 92, .	4.7	31
39	Negative-frequency modes in quantum field theory. Journal of Physics: Conference Series, 2015, 631, 012059.	0.4	0
40	Non-Hermitian extension of gauge theories and implications for neutrino physics. Journal of High Energy Physics, 2015, 2015, 1.	4.7	43
41	Flavour effects in Resonant Leptogenesis from semi-classical and Kadanoff-Baym approaches. Journal of Physics: Conference Series, 2015, 631, 012087.	0.4	7
42	Kadanoff-Baym approach to flavour mixing and oscillations in resonant leptogenesis. Nuclear Physics B, 2015, 891, 128-158.	2.5	69
43	Effect of transitions in the Planck mass during inflation on primordial power spectra. Physical Review D, 2014, 90, .	4.7	16
44	Thermal Quantum Field Theory and Perturbative Non-Equilibrium Dynamics. Springer Theses, 2014, , .	0.1	2
45	Flavour covariant transport equations: An application to resonant leptogenesis. Nuclear Physics B, 2014, 886, 569-664.	2.5	143
46	Manifest causality in quantum field theory with sources and detectors. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
47	Perturbative non-equilibrium thermal field theory to all orders in gradient expansion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 56-62.	4.1	15
48	Perturbative nonequilibrium thermal field theory. Physical Review D, 2013, 88, .	4.7	34
49	Thermal field theory to all orders in gradient expansion. Journal of Physics: Conference Series, 2013, 447, 012071.	0.4	2