

# Peter Millington

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/929711/publications.pdf>

Version: 2024-02-01

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  | Flavour covariant transport equations: An application to resonant leptogenesis. Nuclear Physics B, 2014, 886, 569-664.          | 2.5 | 143       |
| 2  | Kadanoff–Baym approach to flavour mixing and oscillations in resonant leptogenesis. Nuclear Physics B, 2015, 891, 128-158.      | 2.5 | 69        |
| 3  | Flavor effects in leptogenesis. International Journal of Modern Physics A, 2018, 33, 1842001.                                   | 1.5 | 69        |
| 4  | Resonant enhancement in leptogenesis. International Journal of Modern Physics A, 2018, 33, 1842003.                             | 1.5 | 67        |
| 5  | Symmetries and conservation laws in non-Hermitian field theories. Physical Review D, 2017, 96, .                                | 4.7 | 49        |
| 6  | Non-Hermitian extension of gauge theories and implications for neutrino physics. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 43        |
| 7  | Spontaneous symmetry breaking and the Goldstone theorem in non-Hermitian field theories. Physical Review D, 2018, 98, .         | 4.7 | 40        |
| 8  | Status of rates and rate equations for thermal leptogenesis. International Journal of Modern Physics A, 2018, 33, 1842004.      | 1.5 | 38        |
| 9  | Perturbative nonequilibrium thermal field theory. Physical Review D, 2013, 88, .  | 4.7 | 34        |
| 10 | Radial acceleration relation from symmetron fifth forces. Physical Review D, 2017, 95, .  | 4.7 | 33        |
| 11 | Self-consistent solitons for vacuum decay in radiatively generated potentials. Physical Review D, 2015, 92, .                   | 4.7 | 31        |
| 12 | Gauge invariance and the Englert-Brout-Higgs mechanism in non-Hermitian field theories. Physical Review D, 2019, 99, .          | 4.7 | 25        |
| 13 | Green’s function method for handling radiative effects on false vacuum decay. Physical Review D, 2015, 91, .                    | 4.7 | 24        |
| 14 | Constraining the effective action by a method of external sources. Nuclear Physics B, 2016, 906, 105-132.                       | 2.5 | 23        |
| 15 | Symmetron scalar fields: Modified gravity, dark matter, or both?. Physical Review D, 2019, 99, .                                | 4.7 | 23        |
| 16 | Lepton asymmetry from mixing and oscillations. Journal of High Energy Physics, 2016, 2016, 1.                                   | 4.7 | 22        |
| 17 | Radiative Screening of Fifth Forces. Physical Review Letters, 2016, 117, 211102.  | 7.8 | 22        |
| 18 | Spontaneously breaking non-Abelian gauge symmetry in non-Hermitian field theories. Physical Review D, 2020, 101, .              | 4.7 | 22        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Fifth forces, Higgs portals and broken scale invariance. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 036-036.  | 5.4 | 21        |
| 20 | Light neutrino masses from a non-Hermitian Yukawa theory. <i>Journal of Physics: Conference Series</i> , 2017, 873, 012047.  | 0.4 | 18        |
| 21 | Discrete spacetime symmetries and particle mixing in non-Hermitian scalar quantum field theories. <i>Physical Review D</i> , 2020, 102, .  | 4.7 | 17        |
| 22 | Effect of transitions in the Planck mass during inflation on primordial power spectra. <i>Physical Review D</i> , 2014, 90, .  | 4.7 | 16        |
| 23 | 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> , 2013, 724, 56-62. | 4.1 | 15        |
| 24 | Visualising quantum effective action calculations in zero dimensions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 405401.  | 2.1 | 15        |
| 25 | PT -symmetric non-Hermitian quantum field theories with supersymmetry. <i>Physical Review D</i> , 2020, 101, .   | 4.7 | 15        |
| 26 | Probabilities and signalling in quantum field theory. <i>Physical Review D</i> , 2016, 93, .   | 4.7 | 13        |
| 27 | Consistent description of field theories with non-Hermitian mass terms. <i>Journal of Physics: Conference Series</i> , 2018, 952, 012012.  | 0.4 | 13        |
| 28 | Open quantum dynamics induced by light scalar fields. <i>Physical Review D</i> , 2019, 100, .  | 4.7 | 13        |
| 29 | Radiative effects on false vacuum decay in Higgs-Yukawa theory. <i>Physical Review D</i> , 2018, 98, .   | 4.7 | 11        |
| 30 | Alternative flow equation for the functional renormalization group. <i>Physical Review D</i> , 2019, 100, .  | 4.7 | 10        |
| 31 | Manifest causality in quantum field theory with sources and detectors. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.  | 4.7 | 8         |
| 32 | Flavour effects in Resonant Leptogenesis from semi-classical and Kadanoff-Baym approaches. <i>Journal of Physics: Conference Series</i> , 2015, 631, 012087.                                       | 0.4 | 7         |
| 33 | 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         |
| 34 | Fifth-force screening around extremely compact sources. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 052.   | 5.4 | 6         |
| 35 | Self-consistent radiative corrections to false vacuum decay. <i>Journal of Physics: Conference Series</i> , 2017, 873, 012041.   | 0.4 | 5         |
| 36 | Boltzmann equations for preheating. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 041-041.   | 5.4 | 4         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Non-perturbative aspects of galileon duality. European Physical Journal C, 2018, 78, 1.  | 3.9 | 4         |
| 38 | Particle level screening of scalar forces in 1+1 dimensions. Physical Review D, 2019, 99, .  | 4.7 | 4         |
| 39 | Benchmarking regulator-sourced 2PI and average 1PI flow equations in zero dimensions. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 465401.            | 2.1 | 4         |
| 40 | Fifth forces and broken scale symmetries in the Jordan frame. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 016.   | 5.4 | 4         |
| 41 | Flavour Covariant Formalism for Resonant Leptogenesis. Nuclear and Particle Physics Proceedings, 2016, 273-275, 268-274.   | 0.5 | 3         |
| 42 | Thermal field theory to all orders in gradient expansion. Journal of Physics: Conference Series, 2013, 447, 012071.  | 0.4 | 2         |
| 43 | Thermal Quantum Field Theory and Perturbative Non-Equilibrium Dynamics. Springer Theses, 2014, , .   | 0.1 | 2         |
| 44 | Working directly with probabilities in quantum field theory. Journal of Physics: Conference Series, 2017, 880, 012041.   | 0.4 | 2         |
| 45 | Quasi-normal modes and fermionic vacuum decay around a Kerr black hole. Classical and Quantum Gravity, 2019, 36, 035005.   | 4.0 | 2         |
| 46 | Statistics on Lefschetz thimbles: Bell/Leggett-Garg inequalities and the classical-statistical approximation. Journal of High Energy Physics, 2021, 2021, 1.           | 4.7 | 2         |
| 47 | IR/UV mixing from local similarity maps of scalar non-Hermitian field theories. Physical Review D, 2022, 105, .  | 4.7 | 2         |
| 48 | Negative-frequency modes in quantum field theory. Journal of Physics: Conference Series, 2015, 631, 012059.  | 0.4 | 0         |
| 49 | Fock-space projection operators for semi-inclusive final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 706-709. | 4.1 | 0         |