

# Massimo Blasone

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1336419/massimo-blasone-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

126  
papers

2,049  
citations

25  
h-index

40  
g-index

133  
ext. papers

2,255  
ext. citations

2.2  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
126	Unruh Effect for Mixed Neutrinos and the KMS Condition. <i>Universe</i> , <b>2022</b> , 8, 306	2.5	
125	Gravitational Effects on Neutrino Decoherence in the Lense-Thirring Metric. <i>Universe</i> , <b>2021</b> , 7, 417	2.5	1
124	Nonextensive Tsallis statistics in Unruh effect for Dirac neutrinos. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
123	Flavor-vacuum entanglement in boson mixing. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	4
122	Chiral oscillations in the non-relativistic regime. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
121	Wave packet approach to quantum correlations in neutrino oscillations. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
120	Quantum nonlocality in extended theories of gravity. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	3
119	Lepton-Antineutrino Entanglement and Chiral Oscillations. <i>Universe</i> , <b>2021</b> , 7, 293	2.5	0
118	q-generalized Tsallis thermostatics in Unruh effect for mixed fields. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	6
117	Non-relativistic neutrinos and the weak equivalence principle apparent violation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 811, 135883	4.2	4
116	Unlocking neutrino mysteries via the inverse $\beta$ -decay. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1548, 012038	0.3	4
115	Time-energy uncertainty relation for neutrino oscillations in curved spacetime. <i>Classical and Quantum Gravity</i> , <b>2020</b> , 37, 155004	3.3	11
114	Lorentz invariant quantum concurrence for $(\text{SU}(2))$ spin-parity states. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	1
113	Heuristic derivation of Casimir effect in minimal length theories. <i>International Journal of Modern Physics D</i> , <b>2020</b> , 29, 2050011	2.2	25
112	Dissipation, coherence and entanglement. <i>International Journal of Geometric Methods in Modern Physics</i> , <b>2020</b> , 17, 2040005	1.5	
111	On the $(\beta^-)$ -decay of the accelerated proton and neutrino oscillations: a three-flavor description with CP violation. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	18
110	A note on oscillating neutrino states in quantum field theory. <i>Modern Physics Letters A</i> , <b>2020</b> , 35, 2050313	1.3	3

109	Dynamical Generation of Flavour Vacuum. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2020</b> , 497-502		
108	Flavor neutrinos as unstable particles. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1612, 012004	0.3	1
107	Neutrino oscillations in Unruh radiation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135083	4.2	18
106	Some nontrivial aspects of Poincaré and CPT invariance of flavor vacuum. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	3
105	Chiral symmetry-breaking schemes and dynamical generation of masses and field mixing. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1586, 012009	0.3	
104	Single particle entanglement of a massive relativistic particle: Dirac bispinors and spin 1/2 states. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1612, 012003	0.3	2
103	Zero-point energy and photon spin-induced diffraction phenomena. <i>International Journal of Geometric Methods in Modern Physics</i> , <b>2020</b> , 17, 2040006	1.5	
102	Inverse Decay: a twin-model with boson fields. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1226, 012027	0.3	5
101	Dynamics of zero-point energy and two-slit phenomena for photons. <i>Physica Scripta</i> , <b>2019</b> , 94, 115505	2.6	2
100	Equivalence principle violation at finite temperature in scalar-tensor gravity. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	11
99	Dynamical generation of three flavor mixing. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1194, 012014	0.3	4
98	Flavor neutrino states for pedestrians. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1275, 012023	0.3	2
97	Heuristic derivation of the Casimir effect from Generalized Uncertainty Principle. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1275, 012024	0.3	8
96	Remarks on the Unruh effect with mixed neutrinos. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1275, 012063	0.3	2
95	Lorentz boosts of bispinor Bell-like states. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1275, 012026	0.3	2
94	Flavor-energy uncertainty relations for neutrino oscillations in quantum field theory. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	13
93	Dynamical generation of flavor vacuum and Lorentz invariance. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1416, 012005	0.3	1
92	Helicity rotation induced by Lorentz boosts. <i>International Journal of Quantum Information</i> , <b>2019</b> , 17, 1941005	10.5	1

91	Dynamical generation of field mixing via flavor vacuum condensate. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	13
90	Bilayer graphene lattice-layer entanglement in the presence of non-Markovian phase noise. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	3
89	Global Dirac bispinor entanglement under Lorentz boosts. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	13
88	Generalized generating functional for mixed-representation Green's functions: Coherent-state path integral representation. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 965, 012008	0.3	
87	Non-thermal Unruh radiation for flavour neutrinos. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 956, 012021	0.3	19
86	Role of neutrino mixing in accelerated proton decay. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	33
85	Unified formalism for Thermal Quantum Field Theories: A geometric viewpoint. <i>Annals of Physics</i> , <b>2018</b> , 397, 213-233	2.5	10
84	Effects of Lorentz boosts on Dirac bispinor entanglement. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1071, 012001	0.3	4
83	Schwinger-Dyson equations and flavor mixing. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1071, 012003	0.3	1
82	Casimir effect in Post-Newtonian gravity with Lorentz-violation. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	29
81	On the canonical quantization of the electromagnetic field and the emergence of gauge invariance. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1071, 012002	0.3	
80	Neutrino oscillations in accelerated frames. <i>Europhysics Letters</i> , <b>2018</b> , 124, 51001	1.6	14
79	Casimir effect for mixed fields. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 786, 278-282	4.2	26
78	Modified Unruh effect from generalized uncertainty principle. <i>European Physical Journal C</i> , <b>2018</b> , 78, 728	4.2	66
77	CP symmetry and thermal effects on Dirac bi-spinor spin-parity local correlations. <i>Annals of Physics</i> , <b>2018</b> , 395, 301-316	2.5	0
76	Inequivalent representations in the functional integral framework. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 804, 012006	0.3	3
75	Functional integrals and inequivalent representations in Quantum Field Theory. <i>Annals of Physics</i> , <b>2017</b> , 383, 207-238	2.5	13
74	A Physicist's view on Chopin's Etudes. <i>European Physical Journal: Special Topics</i> , <b>2017</b> , 226, 2715-2728	2.3	0

73	Flavor mixing transformations for a uniformly accelerated observer. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 880, 012043	0.3	5
72	Nonthermal signature of the Unruh effect in field mixing. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	36
71	Generalized generating functional for mixed-representation Green's functions: A quantum-mechanical approach. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	3
70	Connections between 't Hooft's beables and canonical descriptions of dissipative systems. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 880, 012050	0.3	2
69	Phase space picture of neutrino mixing and oscillations. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 880, 012061	0.3	
68	Generating functional for the Green's functions of a two-flavor bosonic model. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 880, 012051	0.3	
67	Quantum transitions and quantum entanglement from Dirac-like dynamics simulated by trapped ions. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	10
66	On the role of rotations and Bogoliubov transformations in neutrino mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 761, 104-110	4.2	19
65	Discharge time of a cylindrical leaking bucket. <i>European Journal of Physics</i> , <b>2015</b> , 36, 035017	0.8	4
64	Disentangling mass and angle dependence in neutrino mixing. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 626, 012026	0.3	3
63	Boson field mixing in Rindler spacetime. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 631, 012053	0.3	10
62	Flavor entanglement in neutrino oscillations in the wave packet description. <i>Europhysics Letters</i> , <b>2015</b> , 112, 20007	1.6	17
61	A framework for dynamical generation of flavor mixing. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 538, 012003	0.3	9
60	Mathematical model of an off-grid hybrid solar and wind power generating system. <i>EPJ Web of Conferences</i> , <b>2014</b> , 79, 01008	0.3	
59	A field-theoretical approach to entanglement in neutrino mixing and oscillations. <i>Europhysics Letters</i> , <b>2014</b> , 106, 30002	1.6	25
58	Entanglement in a QFT Model of Neutrino Oscillations. <i>Advances in High Energy Physics</i> , <b>2014</b> , 2014, 1-6	1	8
57	Neutrino flavor entanglement. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2013</b> , 237-238, 320-322		3
56	A simple mathematical description of an off-grid hybrid solar-wind power generating system. <i>European Journal of Physics</i> , <b>2013</b> , 34, 763-771	0.8	2

55	Entanglement in Quantum Field Theory: particle mixing and oscillations. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 442, 012070	0.3	5
54	Nambu-Goldstone dynamics and generalized coherent-state functional integrals. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2012</b> , 45, 244009	2	4
53	On the emergence of flavor mixing through interaction with an external vector field. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 380, 012022	0.3	1
52	't Hooft Quantization for Interacting Systems. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 343, 012110	0.3	1
51	Physical flavor neutrino states. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 306, 012037	0.3	9
50	Non-abelian gauge structure in neutrino mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 697, 238-245	4.2	16
49	Quantum Field Theory and Its Macroscopic Manifestations <b>2011</b> ,		84
48	ON FLAVOR CONSERVATION IN WEAK INTERACTION DECAYS INVOLVING MIXED NEUTRINOS. <i>International Journal of Modern Physics A</i> , <b>2010</b> , 25, 4179-4194	1.2	18
47	On entanglement in neutrino mixing and oscillations. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 237, 012007	0.3	9
46	Geometric measures of multipartite entanglement in finite-size spin chains. <i>Physica Scripta</i> , <b>2010</b> , T140, 014016	2.6	4
45	Particle mixing, flavor condensate and dark energy. <i>Progress in Particle and Nuclear Physics</i> , <b>2010</b> , 64, 451-453	10.6	24
44	DETERMINISM BENEATH COMPOSITE QUANTUM SYSTEMS. <i>International Journal of Modern Physics A</i> , <b>2009</b> , 24, 3652-3659	1.2	
43	Can quantum mechanics be an emergent phenomenon?. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 174, 012034	0.3	8
42	Dissipation and quantization for composite systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2009</b> , 373, 4106-4112	2.3	25
41	On flavor violation for massive and mixed neutrinos. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2009</b> , 188, 37-39		8
40	Non-cyclic phases for neutrino oscillations in quantum field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 674, 73-79	4.2	17
39	Entanglement in neutrino oscillations. <i>Europhysics Letters</i> , <b>2009</b> , 85, 50002	1.6	63
38	Multipartite entanglement in neutrino oscillations. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 174, 012062		

37	Multipartite geometric entanglement in finite size XY model. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 174, 012064	0.3	3
36	Multipartite entangled states in particle mixing. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	37
35	Hierarchies of geometric entanglement. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	72
34	Neutrino mixing, flavor states and dark energy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2008</b> , 588, 272-275 <sup>1.2</sup>		26
33	Unde venis quantum mechanics?. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 67, 012046	0.3	3
32	On neutrino mixing, Lorentz invariance and entanglement. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 67, 012031	0.3	
31	Quantum Fields with Topological Defects <b>2006</b> , 221-229		
30	Lepton charge and neutrino mixing in pion decay processes. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	36
29	Path-integral approach to 't Hooft's derivation of quantum physics from classical physics. <i>Physical Review A</i> , <b>2005</b> , 71,	2.6	24
28	Quantum behavior of deterministic systems with information loss: Path integral approach. <i>Annals of Physics</i> , <b>2005</b> , 320, 468-486	2.5	15
27	Lorentz invariance for mixed neutrinos. <i>Brazilian Journal of Physics</i> , <b>2005</b> , 35, 447-454	1.2	10
26	Neutrino mixing as a source for cosmological constant. <i>Brazilian Journal of Physics</i> , <b>2005</b> , 35, 455-561	1.2	2
25	Neutrino mixing and Lorentz invariance. <i>Europhysics Letters</i> , <b>2005</b> , 70, 600-606	1.6	19
24	't Hooft's quantum determinism: path integral viewpoint. <i>Brazilian Journal of Physics</i> , <b>2005</b> , 35, 497-502	1.2	13
23	Dissipation, Emergent Quantization, and Quantum Fluctuations. <i>Lecture Notes in Physics</i> , <b>2004</b> , 151-163	0.8	6
22	Mixing and oscillations of neutral particles in quantum field theory. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	20
21	Neutrino mixing contribution to the cosmological constant. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2004</b> , 323, 182-189	2.3	71
20	Bateman's dual system revisited: quantization, geometric phase and relation with the ground-state energy of the linear harmonic oscillator. <i>Annals of Physics</i> , <b>2004</b> , 312, 354-397	2.5	24

19	Quantum Field Theory of Particle Mixing and Oscillations <b>2004</b> , 105-128		
18	Quantum Limit of Deterministic Theories. <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 50-53	1.5	12
17	Quantization, group contraction and zero point energy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2003</b> , 310, 393-399	2.3	36
16	Neutrino oscillations from relativistic flavor currents. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	36
15	Topological Defects as Inhomogeneous Condensates in Quantum Field Theory: Kinks in (1+1) Dimensional $\mathbb{Z}_2$ Theory. <i>Annals of Physics</i> , <b>2002</b> , 295, 230-260	2.5	6
14	Quantum field theory of three flavor neutrino mixing and oscillations with CP violation. <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	75
13	Quantum mechanics of the damped harmonic oscillator. <i>Canadian Journal of Physics</i> , <b>2002</b> , 80, 645-660	1.1	17
12	Currents and charges for mixed fields. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 517, 471-475	4.2	38
11	Dissipation and quantization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2001</b> , 287, 205-210	2.3	86
10	Quantum field theory of boson mixing. <i>Physical Review D</i> , <b>2001</b> , 63,	4.9	79
9	On normal ordering and canonical transformations in thermal field theory. <i>Journal of Physics A</i> , <b>1999</b> , 32, 1185-1195		1
8	Remarks on the neutrino oscillation formula. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	39
7	The exact formula for neutrino oscillations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 451, 140-145	4.2	100
6	Berry phase for oscillating neutrinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 466, 262-266	4.2	21
5	Phase Coherence in Quantum Brownian Motion. <i>Annals of Physics</i> , <b>1998</b> , 267, 61-74	2.5	25
4	Dissipation and Topologically Massive Gauge Theories in the Pseudo-Euclidean Plane. <i>Annals of Physics</i> , <b>1996</b> , 252, 115-132	2.5	50
3	Squeezed neutrino oscillations in quantum field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 362, 91-96	4.2	19
2	Quantum Field Theory of Fermion Mixing. <i>Annals of Physics</i> , <b>1995</b> , 244, 283-311	2.5	165



- 1 Bose-Einstein correlations in thermal field theory. *Acta Physica Hungarica A Heavy Ion Physics*, **1995**, 1, 249-262

1