Fiorenzo Bastianelli

List of Publications by Year
in descending order

83 papers	1,685 citations

318942

23 h-index	

388640

36 g-index

84 all docs	84 docs citations	84 times ranked	411 citing authors

#	Article	IF	Citations
1	Worldline master formulas for the dressed electron propagator. Part 2. On-shell amplitudes. Journal of High Energy Physics, 2022, 2022, 1.	1.6	11
2	Light bending from eikonal in worldline quantum field theory. Journal of High Energy Physics, 2022, 2022, 1.	1.6	13
3	Worldline description of a bi-adjoint scalar and the zeroth copy. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
4	Path integral calculation of heat kernel traces with first order operator insertions. Nuclear Physics B, 2020, 960, 115183.	0.9	2
5	Worldline master formulas for the dressed electron propagator. Part I. Off-shell amplitudes. Journal of High Energy Physics, 2020, 2020, 1.	1.6	21
6	Axial gravity and anomalies of fermions. European Physical Journal C, 2020, 80, 1.	1.4	13
7	A worldline approach to colored particles. Journal of Physics: Conference Series, 2019, 1208, 012004.	0.3	6
8	Spinning particles and higher spin field equations. Journal of Physics: Conference Series, 2019, 1208, 012006.	0.3	1
9	Graviton self-energy from worldlines. Journal of Physics: Conference Series, 2019, 1208, 012009.	0.3	0
10	On the trace anomaly of a Weyl fermion in a gauge background. European Physical Journal C, 2019, 79, 1.	1.4	14
11	Weyl fermions in a non-abelian gauge background and trace anomalies. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
12	One-loop quantum gravity from the N particle 4 spinning. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
13	Simplified path integral for supersymmetric quantum mechanics and type-A trace anomalies. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
14	Quantum mechanical path integrals in curved spaces and the type-A trace anomaly. Journal of High Energy Physics, 2017, 2017, 1.	1.6	6
15	One-particle reducible contribution to the one-loop spinor propagator in a constant field. Nuclear Physics B, 2017, 924, 377-386.	0.9	29
16	On the simplified path integral on spheres. European Physical Journal C, 2017, 77, 1.	1.4	3
17	On the trace anomaly of a Weyl fermion. Journal of High Energy Physics, 2016, 2016, 1.	1.6	21
18	Dressed scalar propagator in a non-Abelian background from the worldline formalism. Physical Review D, 2016, 93, .	1.6	24

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19	Publisher's Note: Dressed scalar propagator in a non-Abelian background from the worldline formalism [Phys. Rev. D93, 025035 (2016)]. Physical Review D, 2016, 93, .	1.6	7
20	Massive and massless higher spinning particles in odd dimensions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
21	Integral representations combining ladders and crossed-ladders. Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
22	One-loop quantum gravity from a worldline viewpoint. Journal of High Energy Physics, 2013, 2013, 1.	1.6	23
23	Particles with non abelian charges. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
24	Photon-graviton amplitudes. , 2013, , .		0
25	Quantum theories of (p, q)-forms. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
26	Effective action for higher spin fields on (A)dS backgrounds. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
27	Photon-graviton amplitudes from the effective action. Physics of Particles and Nuclei, 2012, 43, 630-634.	0.2	3
28	On the low-energy limit of one-loop photon–graviton amplitudes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 345-349.	1.5	18
29	Extended SUSY quantum mechanics: transition amplitudes and path integrals. Journal of High Energy Physics, 2011, 2011, 1.	1.6	18
30	Quantum theory of massless (p, 0)-forms. Journal of High Energy Physics, 2011, 2011, 1.	1.6	14
31	U(N|M) quantum mechanics on Kähler manifolds. Journal of High Energy Physics, 2010, 2010, 1.	1.6	5
32	WORLDLINE APPROACH TO QFT ON MANIFOLDS WITH BOUNDARY. , 2010, , .		2
33	Gravitational corrections to the Euler-Heisenberg Lagrangian. Journal of High Energy Physics, 2009, 2009, 086-086.	1.6	31
34	U(N) spinning particles and higher spin equations on complex manifolds. Journal of High Energy Physics, 2009, 2009, 063-063.	1.6	18
35	The effective action in Einstein-Maxwell theory. , 2009, , .		0
36	Detours and paths: BRST complexes and worldline formalism. Journal of High Energy Physics, 2009, 2009, 017-017.	1.6	21

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37	Spinning particles and higher spin fields on (A)dS backgrounds. Journal of High Energy Physics, 2008, 2008, 054-054.	1.6	49
38	Scalar heat kernel with boundary in the worldline formalism. Journal of High Energy Physics, 2008, 2008, 095-095.	1.6	21
39	Scalar field with Robin boundary conditions in the worldline formalism. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164010.	0.7	6
40	Photon–graviton mixing in an electromagnetic field. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164048.	0.7	4
41	Worldline approach to quantum field theories on flat manifolds with boundaries. Journal of High Energy Physics, 2007, 2007, 059-059.	1.6	19
42	Higher spin fields from a worldline perspective. Journal of High Energy Physics, 2007, 2007, 072-072.	1.6	42
43	One loop photon-graviton mixing in an electromagnetic field: part 2. Journal of High Energy Physics, 2007, 2007, 099-099.	1.6	26
44	Worldline approach to vector and antisymmetric tensor fields II. Journal of High Energy Physics, 2005, 2005, 114-114.	1.6	49
45	Worldline approach to vector and antisymmetric tensor fields. Journal of High Energy Physics, 2005, 2005, 010-010.	1.6	66
46	One loop photon-graviton mixing in an electromagnetic field: Part 1. Journal of High Energy Physics, 2005, 2005, 069-069.	1.6	43
47	BRST treatment of zero modes for the worldline formalism in curved space. Journal of High Energy Physics, 2004, 2004, 023-023.	1.6	27
48	Dimensional regularization for $N=1$ supersymmetric sigma models and the worldline formalism. Physical Review D, 2003, 67, .	1.6	35
49	Worldline formalism in a gravitational background. Nuclear Physics B, 2002, 642, 372-388.	0.9	76
50	Consistency conditions and trace anomalies in six dimensions. Classical and Quantum Gravity, 2001, 18, 793-805.	1.5	23
51	6D trace anomalies from quantum mechanical path integrals. Physical Review D, 2001, 63, .	1.6	12
52	Simplified method for trace anomaly calculations in $d < \sim 6$. Physical Review D, 2001, 64, .	1.6	5
53	Dimensional regularization of the path integral in curved space on an infinite time interval. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 490, 154-162.	1.5	25
54	Dimensional regularization of nonlinear sigma models on a finite time interval. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 494, 161-167.	1.5	24

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55	Conformal anomaly of (2,0) tensor multiplet in six dimensions and AdS/CFT correspondence. Journal of High Energy Physics, 2000, 2000, 013-013.	1.6	120
56	3-point functions of universal scalars in maximal SCFTs at large N. Journal of High Energy Physics, 2000, 2000, 047-047.	1.6	8
57	Three-point functions for a class of chiral operators in maximally supersymmetric CFT at large N. Nuclear Physics B, 2000, 574, 107-129.	0.9	9
58	Three-point correlators of stress tensors in maximally-supersymmetric conformal theories in and. Nuclear Physics B, 2000, 578, 139-152.	0.9	38
59	Bosonic quadratic actions for 11-dimensional supergravity on AdS 7/4 Ã— S 4/7. Classical and Quantum Gravity, 1999, 16, 3673-3684.	1.5	7
60	Mode regularization of the configuration space path integral in curved space. Physical Review D, 1999, 60, .	1.6	19
61	Three point functions of chiral primary operators in d=3, and d=6, SCFT at large N. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 467, 61-66.	1.5	28
62	Mode regularization, time slicing, Weyl ordering, and phase space path integrals for quantum-mechanical nonlinear sigma models. Physical Review D, 1998, 58, .	1.6	22
63	A Locally Supersymmetric Action for the Scalar Particle. Modern Physics Letters A, 1997, 12, 1291-1299.	0.5	0
64	Note on W3 realizations of the bosonic string. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 411-416.	1.5	5
65	ON A NEW METHOD FOR COMPUTING TRACE ANOMALIES. International Journal of Modern Physics D, 1994, 03, 145-148.	0.9	1
66	BRST operator for the large N=4 superconformal algebra. Physical Review D, 1994, 50, 4051-4059.	1.6	9
67	A Hierarchy of Superstrings. Physical Review Letters, 1994, 73, 1199-1202.	2.9	9
68	A locally supersymmetric action for the bosonic string. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 322, 340-343.	1.5	12
69	Towards the universal theory of strings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 35-39.	1.5	17
70	Induced chiral supergravities in 2D. Nuclear Physics B, 1994, 416, 227-254.	0.9	1
71	Trace anomalies from quantum mechanics. Nuclear Physics B, 1993, 389, 53-80.	0.9	80
72	A NOTE ON 2D CHIRAL GRAVITY AND CHIRAL BOSONS. Modern Physics Letters A, 1992, 07, 3777-3782.	0.5	4

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73	The path integral for a particle in curved spaces and Weyl anomalies. Nuclear Physics B, 1992, 376, 113-126.	0.9	62
74	A novel chiral boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 464-468.	1.5	2
75	BRST symmetry from a change of variables and the gauged WZNW model. Nuclear Physics B, 1991, 361, 555-567.	0.9	14
76	Ward identities for quantum field theories with external fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 263, 411-416.	1.5	9
77	On chiral bosonization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 254, 427-429.	1.5	7
78	Superstring anomalies in the semi-light-cone gauge. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 253, 67-74.	1.5	19
79	AN ACTION FOR SUPER-W3-GRAVITY. Modern Physics Letters A, 1991, 06, 425-429.	0.5	3
80	Consistent Fujikawa regularization of the spinning string in superspace from Pauli-Villars regularization. Physical Review D, 1990, 41, 2525-2530.	1.6	1
81	Gravitational anomalies from the action for self-dual antisymmetric tensor fields in 4k+2 dimensions. Physical Review Letters, 1989, 63, 728-730.	2.9	19
82	Free quantum action and BRST charge for the superparticle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 229, 223-226.	1.5	30
83	Chiral bosons coupled to supergravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 217, 98-102.	1.5	34