Pietro Grassi

List of Publications by Year
in descending order

94 papers	2,102 citations	257450 24 h-index	254184 43 g-index
96 all docs	96 docs citations	96 times ranked	717 citing authors

#	Article	IF	Citations
1	Non-commutative superspace from string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 574, 98-104.	4.1	180
2	Lattice QCD with a chirally twisted mass term. Journal of High Energy Physics, 2001, 2001, 058-058.	4.7	173
3	Nielsen identities of the SM and the definition of mass. Physical Review D, 2000, 62, .	4.7	127
4	Practical Algebraic Renormalization. Annals of Physics, 2001, 288, 197-248.	2.8	83
5	Covariant Quantization of Superstrings Without Pure Spinor Constraints. Journal of High Energy Physics, 2002, 2002, 054-054.	4.7	70
6	Exploring pure spinor string theory on $AdS_4 \times \mathbb{CP}^3$. Journal of High Energy Physics, 2008, 2008, 085-085.	4.7	66
7	Algebraic renormalization of Yang-Mills theory with background field method. Nuclear Physics B, 1996, 462, 524-550.	2.5	64
8	Fermion mixing renormalization and gauge invariance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 454, 98-104.	4.1	61
9	Covariant one-loop amplitudes in. Nuclear Physics B, 2004, 702, 269-306.	2.5	60
10	Simplifying superstring and D-brane actions in $AdS_4 \times \mathbb{CP}^3$ superbackground. Journal of High Energy Physics, 2009, 2009, 060-060.	4.7	59
11	Vertex Operators for Closed Superstrings. Journal of High Energy Physics, 2004, 2004, 071-071.	4.7	56
12	Width and Partial Widths of Unstable Particles. Physical Review Letters, 2001, 86, 389-392.	7.8	50
13	Comments on 1/16 BPS quantum states and classical configurations. Journal of High Energy Physics, 2008, 2008, 049-049.	4.7	48
14	Width and partial widths of unstable particles in the light of the Nielsen identities. Physical Review D, 2002, 65, .	4.7	47
15	Renormalization of non-semisimple gauge models with the background field method. Nuclear Physics B, 1999, 560, 499-550.	2.5	44
16	Landau background gauge fixing and the IR properties of Yang-Mills Green functions. Physical Review D, 2004, 70, .	4.7	37
17	The algebraic method. Nuclear Physics B, 2001, 610, 215-250.	2.5	35
18	The covariant quantum superstring and superparticle from their classical actions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 553, 96-104.	4.1	35

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19	Supergravity actions with integral forms. Nuclear Physics B, 2014, 889, 419-442.	2.5	33
20	An introduction to the covariant quantization of superstrings. Classical and Quantum Gravity, 2003, 20, S395-S410.	4.0	32
21	The geometry of supermanifolds and new supersymmetric actions. Nuclear Physics B, 2015, 899, 112-148.	2.5	32
22	On the BRST Cohomology of Superstrings with/without Pure Spinors. Advances in Theoretical and Mathematical Physics, 2003, 7, 499-524.	0.6	32
23	The abelian anti-ghost equation for the standard model in the 't Hooft background gauge. Nuclear Physics B, 1999, 537, 527-548.	2.5	28
24	The quantum superstring as a WZNW model with N=2 superconformal symmetry. Nuclear Physics B, 2004, 676, 43-63.	2.5	27
25	Gauge and topological symmetries in the bulk quantization of gauge theories. Nuclear Physics B, 2001, 597, 583-614.	2.5	24
26	Higher-loop amplitudes in the non-minimal pure spinor formalism. Journal of High Energy Physics, 2009, 2009, 089-089.	4.7	24
27	Instanton Calculations for N=1/ 2 super Yang-Mills Theory. Journal of High Energy Physics, 2004, 2004, 065-065.	4.7	23
28	No van Damâ€"Veltmanâ€"Zakharov discontinuity for supergravity in AdS space. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 174-178.	4.1	21
29	ÄŒech and de Rham cohomology of integral forms. Journal of Geometry and Physics, 2012, 62, 890-902.	1.4	21
30	Hodge dualities on supermanifolds. Nuclear Physics B, 2015, 899, 570-593.	2.5	21
31	Topological M-theory from pure spinor formalism. Advances in Theoretical and Mathematical Physics, 2005, 9, 285-313.	0.6	20
32	Constructive algebraic renormalization of the Abelian Higgs-Kibble model. Physical Review D, 1999, 60, .	4.7	19
33	Direct algebraic restoration of Slavnov-Taylor identities in the Abelian Higgs-Kibble model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 472, 346-356.	4.1	19
34	Superstring field theory, superforms and supergeometry. Journal of Geometry and Physics, 2020, 148, 103559.	1.4	18
35	A local formulation of lattice QCD without unphysical fermion zero modes. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 941-946.	0.4	17
36	The Massless Spectrum of Covariant Superstrings. Journal of High Energy Physics, 2002, 2002, 004-004.	4.7	17

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37	Exceptional ? = 6 and ? = 2 *AdS*₄ supergravity, and zero-center modules. Journal of High Energy Physics, 2009, 2009, 074-074.	4.7	17
38	Super D-branes from BRST symmetry. Journal of High Energy Physics, 2003, 2003, 010-010.	4.7	16
39	Superstrings onAdS4Ã—CP3from supergravity. Physical Review D, 2009, 79, .	4.7	16
40	PURE SPINOR FORMALISM FOR ${\rm Osp}({\mathcal N}\vert 4)$ BACKGROUNDS. International Journal of Modern Physics A, 2012, 27, 1250185.	1.5	16
41	The integral form of supergravity. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
42	Integral representations on supermanifolds: super Hodge duals, PCOs and Liouville forms. Letters in Mathematical Physics, 2017, 107, 167-185.	1.1	15
43	Lower-dimensional pure-spinor superstrings. Journal of High Energy Physics, 2005, 2005, 007-007.	4.7	13
44	Harmonic superspaces from superstrings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 593, 271-278.	4.1	12
45	Partition functions of pure spinors. Nuclear Physics B, 2006, 751, 53-74.	2.5	12
46	Pictures from super Chern-Simons theory. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
47	Pure spinor strings in TsT deformed background. Journal of High Energy Physics, 2007, 2007, 033-033.	4.7	11
48	Pure spinors, free differential algebras, and the supermembrane. Nuclear Physics B, 2007, 763, 1-34.	2.5	11
49	Non-invariant two-loop counterterms for the three-gauge-boson vertices. Journal of High Energy Physics, 2000, 2000, 037-037.	4.7	10
50	Theory of superdualities and the orthosymplectic supergroup. Nuclear Physics B, 2010, 825, 177-202.	2.5	10
51	$$A_\infty $$-Algebra from Supermanifolds. Annales Henri Poincare, 2019, 20, 4163-4195.	1.7	10
52	Gauging cosets. Nuclear Physics B, 2004, 702, 189-206.	2.5	9
53	Non-critical pure spinor superstrings. Journal of High Energy Physics, 2007, 2007, 091-091.	4.7	9
54	Chern-Simons theory on supermanifolds. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9

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55	Covariant quantization of the CBS superparticle. Nuclear Physics B, 2001, 606, 380-400.	2.5	8
56	Flux vacua and supermanifolds. Journal of High Energy Physics, 2007, 2007, 068-068.	4.7	8
57	Pure spinor superstrings on generic type IIA supergravity backgrounds. Journal of High Energy Physics, 2008, 2008, 059-059.	4.7	8
58	Balanced superprojective varieties. Journal of Geometry and Physics, 2009, 59, 1363-1378.	1.4	8
59	Multimetric supergravities. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
60	Super-Quantum Mechanics in the Integral Form Formalism. Annales Henri Poincare, 2018, 19, 1385-1417.	1.7	7
61	The quantum theory of Chern-Simons supergravity. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
62	Fluid super-dynamics from black hole superpartners. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 703, 81-87.	4.1	6
63	Super Chern-Simons theory: Batalin-Vilkovisky formalism and A_∞ algebras. Physical Review D, 2020, 102, .	4.7	6
64	Self-dual forms in supergeometry I: The chiral boson. Nuclear Physics B, 2021, 973, 115596.	2.5	6
65	Notes on the quantization of the complex linear superfield. Nuclear Physics B, 2001, 597, 615-632.	2.5	5
66	Triality invariance in the $N=2$ superstring. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 308-312.	4.1	5
67	Supersymmetric Wilson loops via integral forms. Journal of High Energy Physics, 2020, 2020, 1.	4.7	5
68	Constrained supermanifolds for AdS M-theory backgrounds. Journal of High Energy Physics, 2008, 2008, 036-036.	4.7	4
69	Aspects of quantum fermionic T-duality. Journal of High Energy Physics, 2011, 2011, 1.	4.7	4
70	Fermionic wigs for AdS-Schwarzschild black holes. Journal of High Energy Physics, 2013, 2013, 1.	4.7	4
71	Fermionic wigs for BTZ black holes. Nuclear Physics B, 2013, 871, 393-402.	2.5	4
72	Fermionic corrections to fluid dynamics from BTZ black hole. Journal of High Energy Physics, 2015, 2015, 1.	4.7	4

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73	String Sigma Models on Curved Supermanifolds. Universe, 2018, 4, 60.	2.5	4
74	Wess-Zumino and super Yang-Mills theories in D=4 integral superspace. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
75	Pure spinor integration from the collating formula. Nuclear Physics B, 2011, 849, 675-692.	2.5	3
76	On projections to the pure spinor space. Journal of High Energy Physics, 2011, 2011, 1.	4.7	3
77	Supersymmetric fluid dynamics. Physical Review D, 2012, 85, .	4.7	3
78	Hyperinstantons, the Beltrami equation, and triholomorphic maps. Fortschritte Der Physik, 2016, 64, 151-175.	4.4	3
79	The Integral Form of D = 3 Chern–Simons Theories Probing Singularities. Fortschritte Der Physik, 2017, 65, 1700040.	4.4	3
80	Crepant resolutions of â„‚3â•Z4 and the generalized Kronheimer construction (in view of the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.4	3
81	On forms, cohomology and BV Laplacians in odd symplectic geometry. Letters in Mathematical Physics, 2021, 111, 1.	1.1	3
82	N=2 superparticles, RR fields, and noncommutative structures of (super)-spacetime. European Physical Journal C, 2006, 46, 13-20.	3.9	2
83	Fermions, wigs, and attractors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 263-268.	4.1	2
84	Minimal D = 7 supergravity and the supersymmetry of Arnold-Beltrami flux branes. Journal of High Energy Physics, 2016, 2016, 1.	4.7	2
85	Surface operators in superspace. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
86	The background field method and the linearization problem for Poisson manifolds. Nuclear Physics B, 2005, 706, 549-568.	2.5	1
87	A note on the field-theoretical description of superfluids. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 172-176.	4.1	1
88	Y-formalism and curved systems. Nuclear Physics B, 2009, 806, 1-22.	2.5	0
89	No fermionic wigs for BPS attractors in 5 dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 231-243.	4.1	0
90	Entropy current formalism for supersymmetric theories. Nuclear Physics B, 2015, 892, 105-131.	2.5	0

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91	Chern-Simons supergravity on supergroup manifolds. Journal of High Energy Physics, 2020, 2020, 1.	4.7	0
92	The N3=3â†'N3=4 enhancement of super Chernâ€"Simons theories in D=3, Calabi HyperKähler metrics and M2-branes on the C(N0,1,0) conifold. Journal of Geometry and Physics, 2021, 160, 103962.	1.4	0
93	SUPERSTRINGS AND WZNW MODELS. , 2004, , .		0
94	N=2 Superparticles, RR Fields, and Noncommutative Structures of (super)-Spacetime. , 2007, , .		0