Antonio Pineda

List of Publications by Year
in descending order

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71 papers	3,533 citations	147801 31 h-index	133252 59 g-index
74 all docs	74 docs citations	74 times ranked	1350 citing authors

#	Article	IF	Citations
1	Effective-field theories for heavy quarkonium. Reviews of Modern Physics, 2005, 77, 1423-1496.	45.6	559
2	Potential NRQCD: an effective theory for heavy quarkonium. Nuclear Physics B, 2000, 566, 275-310.	2.5	546
3	Infrared behavior of the static potential in perturbative QCD. Physical Review D, 1999, 60, .	4.7	162
4	Determination of the bottom quark mass from the Ì¥(1S) system. Journal of High Energy Physics, 2001, 2001, 022-022.	4.7	158
5	QCD potential atO(1/m). Physical Review D, 2000, 63, .	4.7	115
6	QCD phenomenology of static sources and gluonic excitations at short distances. Physical Review D, 2004, 69, .	4.7	106
7	The QCD potential atO(1/m2):Complete spin-dependent and spin-independent result. Physical Review D, 2001, 63, .	4.7	99
8	The heavy quarkonium spectrum at order mÎ±s5lnÎ±s. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 470, 215-222.	4.1	92
9	The Lamb shift in dimensional regularisation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 391-396.	4.1	83
10	Mass of theÎ·bandÎ±sfrom the Nonrelativistic Renormalization Group. Physical Review Letters, 2004, 92, 242001.	7.8	81
11	The renormalization group improvement of the QCD static potentials. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 495, 323-328.	4.1	79
12	Heavy quark pair production near threshold with potential non-relativistic QCD. Nuclear Physics B, 2007, 762, 67-94.	2.5	74
13	The static potential: lattice versus perturbation theory in a renormalon-based approach. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, 371-385.	3.6	64
14	Inclusive decays of heavy quarkonium to light particles. Physical Review D, 2003, 67, .	4.7	64
15	Review of heavy quarkonium at weak coupling. Progress in Particle and Nuclear Physics, 2012, 67, 735-785.	14.4	62
16	Renormalization group improvement of the nonrelativistic QCD Lagrangian and heavy quarkonium spectrum. Physical Review D, 2002, 65, .	4.7	60
17	The two-photon exchange contribution to muonic hydrogen from chiral perturbation theory. Nuclear Physics B, 2014, 887, 69-111.	2.5	56
18	New Predictions for Inclusive Heavy-QuarkoniumP-Wave Decays. Physical Review Letters, 2001, 88, 012003.	7.8	51

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19	Forward virtual Compton scattering and the Lamb shift in chiral perturbation theory. Physical Review C, 2008, 77, .	2.9	51
20	Next-to-leading-log renormalization-group running in heavy-quarkonium creation and annihilation. Physical Review D, 2002, 66, .	4.7	49
21	Model Independent Determination of the Gluon Condensate in Four Dimensional SU(3) Gauge Theory. Physical Review Letters, 2014, 113, 092001.	7.8	49
22	The bottom quark mass from the ï' 1 S $$ oldsymbol{Upsilon} (1S) $$ system at NNNLO. Journal of High Energy Physics, 2014, 2014, 1.	4.7	49
23	Compelling Evidence of Renormalons in QCD from High Order Perturbative Expansions. Physical Review Letters, 2012, 108, 242002.	7.8	43
24	Improved determination of heavy quarkonium magnetic dipole transitions in potential nonrelativistic QCD. Physical Review D, 2013, 87, .	4.7	42
25	Chiral structure of the Lamb shift and the definition of the proton radius. Physical Review C, 2005, 71, .	2.9	37
26	Perturbative expansion of the energy of static sources at large orders in four-dimensional SU(3) gauge theory. Physical Review D, 2013, 87, .	4.7	36
27	The charm/bottom quark mass from heavy quarkonium at N3LO. Journal of High Energy Physics, 2018, 2018, 1.	4.7	35
28	Proton radius from electron-proton scattering and chiral perturbation theory. Physical Review C, 2017, 95, .	2.9	33
29	Leading chiral logarithms to the hyperfine splitting of the hydrogen and muonic hydrogen. Physical Review C, 2003, 67, .	2.9	32
30	Perturbative expansion of the plaquette to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">O</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow><mml:mrow><mml:mn>35</mml:mn></mml:mr	4.7	32
31	Physical Review D, 2014, 89, . The mÎ›QCD scale in heavy quarkonium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 580, 60-71.	4.1	31
32	Renormalization-group improved sum rule analysis for the bottom-quark mass. Physical Review D, 2006, 73, .	4.7	27
33	Determination of Î±(Mz) from an hyperasymptotic approximation to the energy of a static quark-antiquark pair. Journal of High Energy Physics, 2020, 2020, 1.	4.7	27
34	The Lamb shift in muonic hydrogen and the proton radius from effective field theories. European Physical Journal A, 2015, 51, 1.	2.5	26
35	Model-independent determination of the two-photon exchange contribution to hyperfine splitting in muonic hydrogen. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
36	New determination of inclusive electromagnetic decay ratios of heavy quarkonium from QCD. Nuclear Physics B, 2010, 841, 231-256.	2.5	22

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37	Superasymptotic and hyperasymptotic approximation to the operator product expansion. Physical Review D, 2019, 99, .	4.7	22
38	Potential NRQCD for unequal masses and the B c spectrum at N3LO. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
39	Hyperasymptotic approximation to the top, bottom, and charm pole mass. Physical Review D, 2020, 101, .	4.7	20
40	Constraints on Regge models from perturbation theory. Journal of High Energy Physics, 2007, 2007, 061-061.	4.7	18
41	Static potential in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">N</mml:mi><mml:mo>=</mml:mo><mml:mn>4</mml:mn></mml:math>supersymmetric Yang-Mills theory at weak coupling. Physical Review D, 2008, 77, .	4.7	18
42	Model-independent determination of the Lamb shift in muonic hydrogen and the proton radius. European Physical Journal A, 2015, 51, 1.	2.5	16
43	Fit to the Bjorken, Ellis-Jaffe and Gross-Llewellyn-Smith sum rules in a renormalon based approach. Physical Review D, 2005, 72, .	4.7	15
44	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>P</mml:mi></mml:mrow></mml:math> -wave heavy quarkonium spectrum with next-to-next-to-next-to-leading logarithmic accuracy. Physical Review D, 2018, 98, .	4.7	15
45	The proton radius (puzzle?) and its relatives. Progress in Particle and Nuclear Physics, 2021, 121, 103901.	14.4	15
46	Renormalization-group improvement of the spectrum of hydrogenlike atoms with massless fermions. Physical Review A, 2002, 66, .	2.5	14
47	Static hybrid potential inDdimensions at short distances. Physical Review D, 2011, 84, .	4.7	13
48	Next-to-leading ultrasoft running of the heavy quarkonium potentials and spectrum: Spin-independent case. Physical Review D, 2011, 84, .	4.7	13
49	Mass of the bottom quark from Upsilon(1S) at NNNLO: an update. Journal of Physics: Conference Series, 2016, 762, 012063.	0.4	12
50	Novel implementation of the multipole expansion to quarkonium hadronic transitions. Physical Review D, 2019, 100, .	4.7	11
51	Chromopolarizabilities of a heavy quark at weak coupling. Physical Review D, 2018, 97, .	4.7	10
52	Hyperasymptotic approximation to the plaquette and determination of the gluon condensate. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
53	Is there a linear potential at short distances?. Nuclear Physics, Section B, Proceedings Supplements, 2004, 133, 190-195.	0.4	8
54	1/N_cand 1/npreasymptotic corrections to current-current correlators. Journal of High Energy Physics, 2008, 2008, 039-039.	4.7	8

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55	QCD static potential in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>D</mml:mi><mml:mo><</mml:mo><mml:mn>4</mml:mn></mml:math>dimensions at weak coupling. Physical Review D, 2010, 81, .	4.7	8
56	Heavy quarkonium and nonrelativistic effective field theories. Nuclear Physics, Section B, Proceedings Supplements, 2000, 86, 517-520.	0.4	7
57	Heavy meson semileptonic differential decay rate in two dimensions in the largeNc. Journal of High Energy Physics, 2006, 2006, 060-060.	4.7	6
58	Phenomenology of renormalons and the OPE from lattice regularization: The gluon condensate and the heavy quark pole mass. AIP Conference Proceedings, 2016, , .	0.4	6
59	Relativistic corrections to the static energy in terms of Wilson loops at weak coupling. European Physical Journal C, 2017, 77, 1.	3.9	5
60	Hyperasymptotic approximation to the operator product expansion. Nuclear and Particle Physics Proceedings, 2020, 309-311, 77-86.	0.5	5
61	Deep inelastic scattering and factorization in the â€™tÂHooft model. Physical Review D, 2009, 79, .	4.7	4
62	Breakdown of the Operator-Product Expansion in the â€™t Hooft Model. Physical Review Letters, 2008, 101, 152002.	7.8	3
63	Yang-Mills vacuum wave functional in three dimensions at weak coupling. Physical Review D, 2013, 88, .	4.7	2
64	The regularization and determination of the Yangâ€“Mills vacuum wave functional in three dimensions at <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsev. Nuclear Physi	2.5	2
65	NRQCD, effective field theories and potential models. Nuclear Physics, Section B, Proceedings Supplements, 2001, 93, 188-191.	0.4	1
66	Theoretical description of the plaquette with exponential accuracy. European Physical Journal: Special Topics, 2021, 230, 2601.	2.6	1
67	Large order behavior in perturbation theory of the pole mass and the singlet static potential. AIP Conference Proceedings, 2001, , .	0.4	0
68	Heavy quarkonium potential and inclusive decay widths in terms of Wilson loops. Nuclear Physics, Section B, Proceedings Supplements, 2003, 115, 187-190.	0.4	0
69	Phenomenological impact of the resummation of logs of Î± in heavy quarkonium. Nuclear Physics, Section B, Proceedings Supplements, 2006, 152, 192-199.	0.4	0
70	Hybrid potentials versus gluelumps. AIP Conference Proceedings, 2007, , .	0.4	0
71	Inclusive electromagnetic decay ratios of heavy quarkonium from QCD. , 2011, , .		0