

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	Theoretical description of the plaquette with exponential accuracy. European Physical Journal: Special Topics, 2021, 230, 2601.	2.6	1
2	The proton radius (puzzle?) and its relatives. Progress in Particle and Nuclear Physics, 2021, 121, 103901.	14.4	15
3	Hyperasymptotic approximation to the operator product expansion. Nuclear and Particle Physics Proceedings, 2020, 309-311, 77-86.	0.5	5
4	Hyperasymptotic approximation to the top, bottom, and charm pole mass. Physical Review D, 2020, 101, .	4.7	20
5	Determination of $\hat{\Gamma}_{\pm}(M_Z)$ from an hyperasymptotic approximation to the energy of a static quark-antiquark pair. Journal of High Energy Physics, 2020, 2020, 1.	4.7	27
6	Hyperasymptotic approximation to the plaquette and determination of the gluon condensate. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
7	Supersymptotic and hyperasymptotic approximation to the operator product expansion. Physical Review D, 2019, 99, .	4.7	22
8	Novel implementation of the multipole expansion to quarkonium hadronic transitions. Physical Review D, 2019, 100, .	4.7	11
9	Chromopolarizabilities of a heavy quark at weak coupling. Physical Review D, 2018, 97, .	4.7	10
10	The charm/bottom quark mass from heavy quarkonium at N3LO. Journal of High Energy Physics, 2018, 2018, 1.	4.7	35
11	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -wave heavy quarkonium spectrum with next-to-next-to-next-to-leading logarithmic accuracy. Physical Review D, 2018, 98, .	4.7	15
12	Proton radius from electron-proton scattering and chiral perturbation theory. Physical Review C, 2017, 95, .	2.9	33
13	Relativistic corrections to the static energy in terms of Wilson loops at weak coupling. European Physical Journal C, 2017, 77, 1.	3.9	5
14	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
15	Mass of the bottom quark from Upsilon(1S) at NNNLO: an update. Journal of Physics: Conference Series, 2016, 762, 012063.	0.4	12
16	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
17	Potential NRQCD for unequal masses and the B c spectrum at N3LO. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
18	Model-independent determination of the Lamb shift in muonic hydrogen and the proton radius. European Physical Journal A, 2015, 51, 1.	2.5	16

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19	The Lamb shift in muonic hydrogen and the proton radius from effective field theories. European Physical Journal A, 2015, 51, 1.	2.5	26
20	Model Independent Determination of the Gluon Condensate in Four Dimensional SU(3) Gauge Theory. Physical Review Letters, 2014, 113, 092001.	7.8	49
21	Perturbative expansion of the plaquette to $\mathcal{O}(g^6)$ The regularization and determination of the Yang-Mills vacuum wave functional in three dimensions at $\mathcal{O}(g^6)$. Nuclear Physics B, 2014, 887, 69-111.	4.7	32
22	The bottom quark mass from the $\Upsilon(1S)$ system at NNNLO . Journal of High Energy Physics, 2014, 2014, 1.	2.5	2
23	The two-photon exchange contribution to muonic hydrogen from chiral perturbation theory. Nuclear Physics B, 2014, 887, 69-111.	4.7	49
24	Perturbative expansion of the energy of static sources at large orders in four-dimensional SU(3) gauge theory. Physical Review D, 2013, 87, .	2.5	56
25	Improved determination of heavy quarkonium magnetic dipole transitions in potential nonrelativistic QCD. Physical Review D, 2013, 87, .	4.7	36
26	Yang-Mills vacuum wave functional in three dimensions at weak coupling. Physical Review D, 2013, 88, .	4.7	2
27	Compelling Evidence of Renormalons in QCD from High Order Perturbative Expansions. Physical Review Letters, 2012, 108, 242002.	4.7	42
28	Review of heavy quarkonium at weak coupling. Progress in Particle and Nuclear Physics, 2012, 67, 735-785.	7.8	43
29	Static hybrid potential in D dimensions at short distances. Physical Review D, 2011, 84, .	14.4	62
30	Next-to-leading ultrasoft running of the heavy quarkonium potentials and spectrum: Spin-independent case. Physical Review D, 2011, 84, .	4.7	13
31	Inclusive electromagnetic decay ratios of heavy quarkonium from QCD. , 2011, , .	4.7	0
32	QCD static potential in D dimensions at weak coupling. Physical Review D, 2010, 81, .	4.7	8
33	New determination of inclusive electromagnetic decay ratios of heavy quarkonium from QCD. Nuclear Physics B, 2010, 841, 231-256.	2.5	22
34	Deep inelastic scattering and factorization in the Λ -Hooft model. Physical Review D, 2009, 79, .	4.7	4
35	Static potential in supersymmetric Yang-Mills theory at weak coupling. Physical Review D, 2008, 77, .	4.7	18

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37	$1/N_c$ and $1/n_c$ preasymptotic corrections to current-current correlators. Journal of High Energy Physics, 2008, 2008, 039-039.	4.7	8
38	Breakdown of the Operator-Product Expansion in the $\hat{\epsilon}^{\text{TM}}$ Hooft Model. Physical Review Letters, 2008, 101, 152002.	7.8	3
39	Forward virtual Compton scattering and the Lamb shift in chiral perturbation theory. Physical Review C, 2008, 77, .	2.9	51
40	Constraints on Regge models from perturbation theory. Journal of High Energy Physics, 2007, 2007, 061-061.	4.7	18
41	Heavy quark pair production near threshold with potential non-relativistic QCD. Nuclear Physics B, 2007, 762, 67-94.	2.5	74
42	Hybrid potentials versus gluelumps. AIP Conference Proceedings, 2007, , .	0.4	0
43	Renormalization-group improved sum rule analysis for the bottom-quark mass. Physical Review D, 2006, 73, .	4.7	27
44	Phenomenological impact of the resummation of logs of $\hat{1}_{\pm}$ in heavy quarkonium. Nuclear Physics, Section B, Proceedings Supplements, 2006, 152, 192-199.	0.4	0
45	Heavy meson semileptonic differential decay rate in two dimensions in the large N_c . Journal of High Energy Physics, 2006, 2006, 060-060.	4.7	6
46	Effective-field theories for heavy quarkonium. Reviews of Modern Physics, 2005, 77, 1423-1496.	45.6	559
47	Chiral structure of the Lamb shift and the definition of the proton radius. Physical Review C, 2005, 71, .	2.9	37
48	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
49	QCD phenomenology of static sources and gluonic excitations at short distances. Physical Review D, 2004, 69, .	4.7	106
50	Mass of the $\hat{1}_{\pm}$ from the Nonrelativistic Renormalization Group. Physical Review Letters, 2004, 92, 242001.	7.8	81
51	Is there a linear potential at short distances?. Nuclear Physics, Section B, Proceedings Supplements, 2004, 133, 190-195.	0.4	8
52	The $m\hat{1}$ -QCD scale in heavy quarkonium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 580, 60-71.	4.1	31
53	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
54	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

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55	Inclusive decays of heavy quarkonium to light particles. <i>Physical Review D</i> , 2003, 67, .	4.7	64
56	Leading chiral logarithms to the hyperfine splitting of the hydrogen and muonic hydrogen. <i>Physical Review C</i> , 2003, 67, .	2.9	32
57	Renormalization-group improvement of the spectrum of hydrogenlike atoms with massless fermions. <i>Physical Review A</i> , 2002, 66, .	2.5	14
58	Next-to-leading-log renormalization-group running in heavy-quarkonium creation and annihilation. <i>Physical Review D</i> , 2002, 66, .	4.7	49
59	Renormalization group improvement of the nonrelativistic QCD Lagrangian and heavy quarkonium spectrum. <i>Physical Review D</i> , 2002, 65, .	4.7	60
60	Large order behavior in perturbation theory of the pole mass and the singlet static potential. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
61	NRQCD, effective field theories and potential models. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2001, 93, 188-191.	0.4	1
62	Determination of the bottom quark mass from the $\Upsilon(1S)$ system. <i>Journal of High Energy Physics</i> , 2001, 2001, 022-022.	4.7	158
63	New Predictions for Inclusive Heavy-Quarkonium P-Wave Decays. <i>Physical Review Letters</i> , 2001, 88, 012003.	7.8	51
64	The QCD potential at $\mathcal{O}(1/m^2)$: Complete spin-dependent and spin-independent result. <i>Physical Review D</i> , 2001, 63, .	4.7	99
65	The renormalization group improvement of the QCD static potentials. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 495, 323-328.	4.1	79
66	Heavy quarkonium and nonrelativistic effective field theories. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 86, 517-520.	0.4	7
67	QCD potential at $\mathcal{O}(1/m)$. <i>Physical Review D</i> , 2000, 63, .	4.7	115
68	Potential NRQCD: an effective theory for heavy quarkonium. <i>Nuclear Physics B</i> , 2000, 566, 275-310.	2.5	546
69	Infrared behavior of the static potential in perturbative QCD. <i>Physical Review D</i> , 1999, 60, .	4.7	162
70	The heavy quarkonium spectrum at order $m\hat{\pm}s5\ln\hat{\pm}s$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 470, 215-222.	4.1	92
71	The Lamb shift in dimensional regularisation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 420, 391-396.	4.1	83