

# Pietro Colangelo

## List of Publications by Year in descending order

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132  
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136  
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136  
docs citations

136  
times ranked

3037  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaotic dynamics of a suspended string in a gravitational background with magnetic field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136949.	1.5	3
2	Role of $B_c + \hat{t}^* B_s d^{(*)} \hat{a}$ , " $\hat{A} \hat{1}/2 \hat{a}$ ," in the Standard Model and in the search for BSM signals. Physical Review D, 2021, 103, .	1.6	8
3	The charm of 331. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
4	$\hat{a}^+ \hat{t}^* \hat{u} \hat{c} \hat{1}/2 \hat{a}^-$ transitions of $B_c$ meson	1.6	8
5	Inclusive semileptonic $\hat{b}$ decays in the Standard Model and beyond. Journal of High Energy Physics, 2020, 2020, 1.	1.6	16
6	Chaos in a $Q \bar{Q}$ system at finite temperature and baryon density. Physical Review D, 2020, 102, .	1.6	15
7	Probes of Lepton Flavor Universality in $b \hat{t}^* u$ Transitions. Particles, 2020, 3, 145-163.	0.5	1
8	$B_c$ meson	1.6	11
9	Quarkonium dissociation in strongly coupled far-from-equilibrium matter: holographic description. Nuclear Physics A, 2019, 982, 931-934.	0.6	1
10	Configurational Entropy can disentangle conventional hadrons from exotica. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 500-504.	1.5	29
11	Excited heavy meson decays to light vector mesons: Implications for spectroscopy. Physical Review D, 2018, 98, .	1.6	8
12	Scrutinizing $\overline{B}_s \rightarrow D^* \ell \bar{\nu}_\ell$ and $\overline{B}_s \rightarrow D^* \ell \bar{\nu}_\ell$ in search of new physics footprints. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
13	Tension in the inclusive versus exclusive determinations of $B \rightarrow V \ell \bar{\nu}_\ell$ : A possible role of new physics. Physical Review D, 2017, 95, .	1.6	26
14	Quarkonium dissociation in a far-from-equilibrium holographic setup. Physical Review D, 2017, 96, .	1.6	11
15	Role of nonlocal probes of thermalization for a strongly interacting non-Abelian plasma. Physical Review D, 2016, 94, .	1.6	6
16	Holographic oddballs. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
17	On thermalization of a boost-invariant non-Abelian plasma. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
18	Exclusive $b \rightarrow s u \hat{t}^* s \hat{1}/2 \hat{1}/2 \hat{A}^-$ induced transitions in the RS $c$ model. European Physical Journal C, 2015, 75, 1.	1.4	8

#	ARTICLE	IF	CITATIONS
19	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
20	Rare semileptonic $\langle B \rightarrow K^* \ell \bar{\nu}_\ell \rangle$ in the $\text{AdS/CFT}$ correspondence. Physical Review D, 2014, 89, .	1.6	11
21	Nuclear Shadowing in the Holographic Framework. Physical Review Letters, 2014, 112, 041601.	2.9	5
22	Nuclear structure functions at low- $x$ in a holographic approach. European Physical Journal C, 2014, 74, 1.	1.4	4
23	Exotic $J^PC = 1^{-+}$ mesons in a holographic model of QCD. European Physical Journal C, 2014, 74, 1.	1.4	16
24	Low-energy photon and pion scattering in holographic QCD. Journal of High Energy Physics, 2013, 2013, 1.	1.6	2
25	Large-distance properties of holographic baryons. Nuclear Physics B, 2013, 875, 351-367.	0.9	3
26	Anomalous enhancement observed in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review D, 2013, 87, .	1.6	104
27	Temperature and chemical potential dependence of the gluon condensate: A holographic study. Physical Review D, 2013, 88, .	1.6	26
28	Preface: International Workshop on Quantum Chromodynamics - Theory and Experiment. , 2012, , .		0
29	New meson spectroscopy with open charm and beauty. Physical Review D, 2012, 86, .	1.6	115
30	In-medium hadronic spectral functions through the soft-wall holographic model of QCD. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
31	Holography, chiral Lagrangian and form factor relations. Journal of High Energy Physics, 2012, 2012, 1.	1.6	21
32	Anomalous $A \rightarrow V^* \ell \bar{\nu}_\ell$ function in the soft-wall holographic model of QCD. Physical Review D, 2012, 85, .	1.6	25
33	Temperature and quark density effects on the chiral condensate: an AdS/QCD study. European Physical Journal C, 2012, 72, 1.	1.4	61
34	$B \rightarrow K^* \ell \bar{\nu}_\ell$ decays in the standard model and in scenarios with universal extra dimensions. Physical Review D, 2012, 85, .	1.6	4
35	QCD result for the hyperfine splitting $M(\rho) - M(\omega)$ the value of $\langle \bar{\psi}\psi \rangle$ . Physical Review D, 2011, 83, .	1.6	0
36	Holography, heavy-quark free energy, and the QCD phase diagram. Physical Review D, 2011, 83, .	1.6	56

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37	<p>charm(onium) spectroscopy: Analysis in pursuit of determining the weak phase</p> $B_s \rightarrow B_c \gamma$	1.6	41
38	<p>Open charm meson spectroscopy: Where to place the latest piece of the puzzle. Physical Review D, 2010, 81, .</p>	1.6	76
39	<p>INVESTIGATING AdS/QCD DUALITY THROUGH THE SCALAR GLUEBALL CORRELATOR. International Journal of Modern Physics A, 2009, 24, 4177-4192.</p>	0.5	23
41	<p>Design of an accelerator-based neutron source for neutron capture therapy. Applied Radiation and Isotopes, 2009, 67, S292-S295.</p>	0.7	9
42	<p>Holographic approach to finite temperature QCD: The case of scalar glueballs and scalar mesons. Physical Review D, 2009, 80, .</p>	1.6	57
43	<p>Rare B decays to <math>\eta</math> and <math>\eta'</math> final states. Physical Review D, 2009, 80, .</p>	1.6	17
44	<p>B, D and K decays. Advances in the Physics of Particles and Nuclei, 2009, , 297-480.</p>	0.1	0
45	<p>Aspects of new charm(onium) spectroscopy. Nuclear Physics, Section B, Proceedings Supplements, 2008, 185, 140-145.</p>	0.5	0
46	<p>B, D and K decays. European Physical Journal C, 2008, 57, 309-492.</p>	1.4	146
47	<p>FCNC <math>B_s \rightarrow B_c \gamma</math> and <math>B_s \rightarrow B_c \gamma</math> transitions: Standard model versus a single universal extra dimension scenario. Physical Review D, 2008, 77, .</p>	1.6	24
48	<p>Light scalar mesons in the soft-wall model of AdS/QCD. Physical Review D, 2008, 78, .</p>	1.6	149
49	<p>Identifying <math>D_s(2700)</math> through its decay modes. Physical Review D, 2008, 77, .</p>	1.6	50
50	<p>Puzzles in Charm Spectroscopy. Progress of Theoretical Physics Supplement, 2007, 168, 202-210.</p>	0.2	6
51	<p>Two topics for a discussion on the <math>\eta</math> and <math>\eta'</math> systems. Nuclear Physics, Section B, Proceedings Supplements, 2007, 163, 177-182.</p>	0.5	27
52	<p>On the light glueball spectrum in a holographic description of QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 652, 73-78.</p>	1.5	127
53	<p>Radiative decays of excited charm mesons: a light-cone QCD sum rule analysis. AIP Conference Proceedings, 2006, , .</p>	0.3	0
54	<p>Bounding effective parameters in the chiral Lagrangian for excited heavy mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 634, 235-239.</p>	1.5	38

#	ARTICLE	IF	CITATIONS
55	Spin effects in rare $B \rightarrow X s l$ , $B \rightarrow \bar{l} \nu$ and $B \rightarrow K^* \bar{l} \nu$ decays in a single universal extra dimension scenario. Physical Review D, 2006, 74, .	1.6	28
56	Exclusive $B \rightarrow K^* \bar{l} \nu$ , $B \rightarrow \bar{l} \nu$ , $B \rightarrow K^* \bar{l} \nu$ and $B \rightarrow K^* \bar{l} \nu$ transitions in a scenario with a single universal extra dimension. Physical Review D, 2006, 73, .	1.6	64
57	Feasibility of an epithermal neutron source for BNCT based on RFQ accelerator. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 210-213.	1.5	8
58	Radiative transitions of $D_s^*(2317)$ and $D_s(2460)$ . Physical Review D, 2005, 72, .	1.6	90
59	Nonfactorizable contributions in B decays to charmonium: The case of $B \rightarrow \bar{c} \ell \nu$ . Physical Review D, 2004, 69, .	1.6	123
60	EXCITED CHARMED MESONS: OBSERVATIONS, ANALYSES AND PUZZLES. Modern Physics Letters A, 2004, 19, 2083-2102.	0.5	88
61	The middle of polarization in $D_s^* \rightarrow D \ell \nu$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 570, 180-184.	0.6	3
62	Understanding $D_s(2317)$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 570, 180-184.	1.5	78
63	On three-body B decays to charm. Nuclear Physics, Section B, Proceedings Supplements, 2003, 115, 72-75.	1.5	142
64	Coupling $g_{B \rightarrow K^* \bar{l} \nu}$ and the structure of $f_0(980)$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 49-59.	0.5	0
65	Production of epithermal neutron beams for BNCT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 476, 123-126.	1.5	33
66	On three-body $B \rightarrow D^* \bar{l} \nu$ decays and couplings of heavy mesons to light pseudoscalar mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 532, 193-201.	0.7	11
67	$B \rightarrow \bar{c} \ell \nu$ decay from charmed meson rescattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 542, 71-79.	1.5	22
68	QCD SUM RULES, A MODERN PERSPECTIVE. , 2001, , 1495-1576.	1.5	102
69	Ds decays to $\bar{l} \nu$ and $\bar{l} \nu$ final states: a phenomenological analysis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 520, 78-86.	1.5	165
70	B meson transitions into higher mass charmed resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 408-416.	1.5	30
71	On the optimal energy of epithermal neutron beams for BNCT. Physics in Medicine and Biology, 2000, 45, 49-58.	1.5	14
72	On the optimal energy of epithermal neutron beams for BNCT. Physics in Medicine and Biology, 2000, 45, 49-58.	1.6	75

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73	Using heavy quark spin symmetry in semileptonic Bc decays. Physical Review D, 2000, 61, .	1.6	131
74	Analysis of the three-body $B \rightarrow D^* D^* \ell^+ \ell^-$ decay. Physical Review D, 1999, 60, .	1.6	13
75	RADIATIVE LEPTONIC Bc DECAYS. Modern Physics Letters A, 1999, 14, 2303-2312.	0.5	11
76	Universal Isgur-Wise form factors from QCD sum rules in HQET. Nuclear Physics, Section B, Proceedings Supplements, 1999, 74, 222-226.	0.5	3
77	B decays to excited charm mesons. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 83-85.	0.5	2
78	On quark-hadron duality in the heavy quark sector. Nuclear Physics, Section B, Proceedings Supplements, 1998, 64, 487-491.	0.5	0
79	QCD interactions of heavy mesons with pions by light-cone sum rules. European Physical Journal C, 1998, 4, 503-511.	1.4	57
80	Electromagnetic mass difference of heavy mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 208-215.	1.5	5
81	Universal $\chi_{1/2}(\gamma)$ Isgur-Wise function at the next-to-leading order in QCD sum rules. Physical Review D, 1998, 58, .	1.6	46
82	QCD interactions of heavy mesons with pions by light-cone sum rules. European Physical Journal C, 1998, 4, 503.	1.4	12
83	Violations of local duality in the heavy quark sector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 409, 417-424.	1.5	16
84	Rare decays at B factories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 395, 339-344.	1.5	60
85	On the QCD sum rule determination of the strange quark mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 408, 340-346.	1.5	64
86	Heavy-to-light meson transitions in QCD. Il Nuovo Cimento A, 1996, 109, 807-813.	0.2	0
87	Leptonic constant from B meson radiative decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 372, 331-338.	1.5	20
88	On the decay mode. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 386, 328-334.	1.5	19
89	Role of four-quark operators in the inclusive $\hat{\Gamma}_b$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 371-378.	1.5	38
90	b quark kinetic energy in the $\hat{\Gamma}_b$ . Physical Review D, 1996, 54, 4622-4628.	1.6	17

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91	QCD sum rule analysis of the decays $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review D, 1996, 53, 3672-3686.	1.6	131
92	$\tilde{\chi}(4S) \rightarrow B \bar{B} \pi^0$ background at Bfactories. Physical Review D, 1996, 54, 1212-1214.	1.6	1
93	Tests of factorization in color suppressed nonleptonic B decay modes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 352, 134-143.	1.5	10
94	Couplings of heavy mesons with soft pions in QCD. Nuclear Physics, Section B, Proceedings Supplements, 1995, 39, 399-401.	0.5	0
95	Strong coupling of excited heavy mesons. Physical Review D, 1995, 52, 6422-6434.	1.6	68
96	Form factor $A_0(q^2)$ , nonleptonic $D(B) \rightarrow PV$ transitions, and rare $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D, 1995, 51, 2237-2246.	1.6	13
97	Phenomenology of $B_s$ decays. Physical Review D, 1994, 49, 238-246.	1.6	28
98	$D^*$ radiative decays and strong coupling of heavy mesons with soft pions in a QCD relativistic potential model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 175-179.	1.5	61
99	Higgs search by neural networks at LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 322, 219-223.	1.5	18
100	On the coupling of heavy mesons to pions in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 339, 151-159.	1.5	70
101	Dependence of the form factors of $B \rightarrow \ell^+ \ell^-$ on the heavy quark mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 123-128.	1.5	30
102	Study of the reactions $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 303, 152-156.	1.5	7
103	QCD sum rules calculation of $B \rightarrow c$ decays. Zeitschrift für Physik C-Particles and Fields, 1993, 57, 43-50.	1.5	104
104	Hadronic colliders as probes of the proton spin structure. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 629-639.	1.5	11
105	Radiative heavy meson transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 555-560.	1.5	58
106	Radiative transition in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 317, 183-189.	1.5	41
107	Scattering function for a model of interacting surfaces. Physical Review E, 1993, 47, 411-418.	0.8	9
108	Ensemble of interacting random surfaces on a lattice. Nuclear Physics B, 1992, 370, 659-694.	0.9	40

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109	Semileptonic B decays into charmed p-wave mesons and the heavy-quark symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 293, 207-215.	1.5	65
110	Neutral $b \rightarrow c$ non leptonic decays and their role in the search for $B \rightarrow K^* \ell^+ \ell^-$ . Zeitschrift für Physik C-Particles and Fields, 1991, 50, 57-60.	1.5	0
111	Improved bound on WR mass in left-right symmetric models from $K \rightarrow \pi$ mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 253, 154-160.	1.5	11
112	Semileptonic B-decays into positive-parity charmed mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 269, 201-207.	1.5	64
113	Charmed semileptonic B-meson exclusive decays in a relativistic potential model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 272, 344-352.	1.5	6
114	Relativistic bound-state effects in heavy-meson physics. Physical Review D, 1991, 43, 3002-3010.	1.6	64
115	Long distance effects in $b \rightarrow s$ exclusive decays. Zeitschrift für Physik C-Particles and Fields, 1990, 45, 575-580.	1.5	49
116	On mixing in the standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 242, 71-76.	1.5	19
117	On the parameter in mixing. Nuclear Physics, Section B, Proceedings Supplements, 1990, 13, 589-591.	0.5	0
118	B meson decays and Kobayashi-Maskawa matrix. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 220, 265-269.	1.5	3
119	Role of single-particle contributions to the mixing matrix element. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 222, 293-297.	1.5	3
120	Computer simulation of gauge theories on a lattice with improved rotational symmetry. Computer Physics Communications, 1989, 54, 235-237.	3.0	0
121	Decay constants of heavy mesons from a QCD relativistic potential model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 206, 691-695.	1.5	66
122	Finite-temperature SU(2) gauge theory on a pseudorandom lattice. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 211, 453-456.	1.5	2
123	Four-dimensional SU(2) Yang-Mills theory on a pseudorandom lattice. Physical Review D, 1988, 37, 1090-1093.	1.6	1
124	Gauge theories on a pseudorandom lattice. Physical Review D, 1987, 35, 3193-3197.	1.6	2
125	Correlation lengths and finite size effects for the Yang-Mills SU(2) lattice theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 183, 202-206.	1.5	0
126	Freedom and confinement in lattice Yang-Mills theories: a case for divorce. Il Nuovo Cimento A, 1986, 92, 1-16.	0.2	0



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127	Does asymptotic freedom shine on the lattice?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 157, 77-80.	1.5	4
128	Confined quarks and the Weinberg sum rules. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 128, 225-228.	1.5	1
129	WKB approach to the Schrödinger equation with relativistic kinematics. Physical Review D, 1982, 26, 1157-1167.	1.6	45
130	Current-particle matrix elements in ACD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 115, 310-312.	1.5	15
131	Chirality and its breaking in a new theory of hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 115, 487-490.	1.5	11
132	The structure of strong interactions in anisotropic chromodynamics. Il Nuovo Cimento A, 1982, 71, 445-476.	0.2	22