

Alessandro Pilloni

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

2,405
citations

24
h-index

46
g-index

116
ext. papers

3,124
ext. citations

4.9
avg, IF

5.07
L-index

#	Paper	IF	Citations
108	Scalar and tensor resonances in J/ψ radiative decays. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	1
107	Search for Darkonium in e^+e^- Collisions.. <i>Physical Review Letters</i> , 2022 , 128, 021802	7.4	
106	From the line shape of the X(3872) to its structure. <i>Physical Review D</i> , 2022 , 105,	4.9	1
105	Light meson spectroscopy from Dalitz plot analyses of B decays to $BK+K\pi$ and $B\pi$ produced in two-photon interactions. <i>Physical Review D</i> , 2021 , 104,	4.9	1
104	$(\pi^- \rightarrow \eta')$, $(\pi^- \rightarrow \rho)$ in the double-Regge region. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
103	Diquark correlations in hadron physics: Origin, impact and evidence. <i>Progress in Particle and Nuclear Physics</i> , 2021 , 116, 103835	10.6	32
102	Photoproduction of the $f_2(1270)$ Meson Using the CLAS Detector. <i>Physical Review Letters</i> , 2021 , 126, 082002	7.4	0
101	The nature of X(3872) from high-multiplicity pp collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
100	XYZ spectroscopy at electron-hadron facilities: Exclusive processes. <i>Physical Review D</i> , 2020 , 102,	4.9	6
99	First measurement of direct photoproduction of the $a_2(1320)0$ meson on the proton. <i>Physical Review C</i> , 2020 , 102,	2.7	2
98	Search for a Dark Leptophilic Scalar in e^+e^- Collisions. <i>Physical Review Letters</i> , 2020 , 125, 181801	7.4	4
97	Measurements of the Absolute Branching Fractions of $B^0 \rightarrow \gamma X_{cc}$. <i>Physical Review Letters</i> , 2020 , 124, 152001	7.4	4
96	Dalitz-plot decomposition for three-body decays. <i>Physical Review D</i> , 2020 , 101,	4.9	9
95	Resonances in e^+e^- annihilation near 2.2 GeV. <i>Physical Review D</i> , 2020 , 101,	4.9	5
94	Search for Rare or Forbidden Decays of the D^0 Meson. <i>Physical Review Letters</i> , 2020 , 124, 071802	7.4	2
93	$(\omega \rightarrow 3\pi)$ and $(\omega \pi^0)$ transition form factor revisited. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
92	Search for lepton-flavor-violating decays $D^0 \rightarrow \ell^+ \ell^-$. <i>Physical Review D</i> , 2020 , 101,	4.9	1

91	Khuri-Treiman equations for 3π decays of particles with spin. <i>Physical Review D</i> , 2020 , 101,	4.9	4
90	Exclusive tensor meson photoproduction. <i>Physical Review D</i> , 2020 , 102,	4.9	3
89	Nucleon resonance contributions to unpolarized inclusive electron scattering. <i>Physical Review C</i> , 2019 , 100,	2.7	11
88	Extraction of form Factors from a Four-Dimensional Angular Analysis of $B \rightarrow \pi \rho^* \pi^0$ over $\pi \pi$. <i>Physical Review Letters</i> , 2019 , 123, 091801	7.4	8
87	Interpretation of the LHCb $P_c(4312)^+$ Signal. <i>Physical Review Letters</i> , 2019 , 123, 092001	7.4	42
86	Three-body scattering: ladders and resonances. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	14
85	Observation of the Decay $D^0 \rightarrow \rho^+ \pi^+ e^- e^-$. <i>Physical Review Letters</i> , 2019 , 122, 081802	7.4	4
84	Search for a Stable Six-Quark State at BABAR. <i>Physical Review Letters</i> , 2019 , 122, 072002	7.4	7
83	Phenomenology of relativistic ($\mathbf{3} \rightarrow \mathbf{3}$) reaction amplitudes within the isobar approximation. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	24
82	Equivalence of three-particle scattering formalisms. <i>Physical Review D</i> , 2019 , 100,	4.9	26
81	Regge phenomenology of the N^* and Δ poles. <i>Physical Review D</i> , 2019 , 99,	4.9	2
80	Determination of the Pole Position of the Lightest Hybrid Meson Candidate. <i>Physical Review Letters</i> , 2019 , 122, 042002	7.4	24
79	Double polarization observables in pentaquark photoproduction. <i>Physical Review D</i> , 2019 , 100,	4.9	15
78	Search for B_{cb} with the BaBar experiment. <i>Physical Review D</i> , 2019 , 100,	4.9	2
77	Moments of angular distribution and beam asymmetries in π photoproduction at GlueX. <i>Physical Review D</i> , 2019 , 100,	4.9	5
76	What is the right formalism to search for resonances?. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	7
75	Features of π photoproduction at high energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 77-81	4.2	5
74	Comment on Note on X (3872) production at hadron colliders and its molecular structure. <i>Chinese Physics C</i> , 2018 , 42, 114107	2.2	13

73	Analyticity constraints for hadron amplitudes: Going high to heal low-energy issues. <i>Europhysics Letters</i> , 2018 , 122, 41001	1.6	2
72	Khuri-Treiman equations for $(\pi\pi)$ scattering. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	8
71	Study of the reactions $e^+e^- \rightarrow \pi^+\pi^-\pi^0$ and $\pi^+\pi^-\pi^0$ at center-of-mass energies from threshold to 4.35 GeV using initial-state radiation. <i>Physical Review D</i> , 2018 , 98,	4.9	7
70	What is the right formalism to search for resonances? II. The pentaquark chain. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	4
69	Measurement of the $\pi^0 \rightarrow \gamma$ transition form factor. <i>Physical Review D</i> , 2018 , 98,	4.9	11
68	Search for the decay mode $B^0 \rightarrow \rho^+\rho^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	1
67	Pole position of the $a_1(1260)$ from B decay. <i>Physical Review D</i> , 2018 , 98,	4.9	16
66	Measurement of the spectral function for the $B \rightarrow K^*\pi$ decay. <i>Physical Review D</i> , 2018 , 98,	4.9	12
65	Vector meson photoproduction with a linearly polarized beam. <i>Physical Review D</i> , 2018 , 97,	4.9	5
64	Structure of pion photoproduction amplitudes. <i>Physical Review D</i> , 2018 , 98,	4.9	6
63	Global analysis of charge exchange meson production at high energies. <i>Physical Review D</i> , 2018 , 98,	4.9	5
62	Studying the $(P_c(4450))$ Resonance in (J/ψ) Photoproduction Off Protons. <i>Few-Body Systems</i> , 2018 , 59, 1	1.6	2
61	Study of $\rho(15)$ radiative decays to $\pi^+\pi^-$ and K^+K^- . <i>Physical Review D</i> , 2018 , 97,	4.9	2
60	Study of the process $e^+e^- \rightarrow \pi^+\pi^-$ using initial state radiation. <i>Physical Review D</i> , 2018 , 97,	4.9	8
59	New analysis of ρ tensor resonances measured at the COMPASS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 464-472	4.2	7
58	Multiquark resonances. <i>Physics Reports</i> , 2017 , 668, 1-97	27.7	373
57	Search for $B^+ \rightarrow K^+ \pi^+ \pi^-$ at the BaBar Experiment. <i>Physical Review Letters</i> , 2017 , 118, 031802	7.4	24
56	Search for Invisible Decays of a Dark Photon Produced in e^+e^- Collisions at BaBar. <i>Physical Review Letters</i> , 2017 , 119, 131804	7.4	113

55	Pentaquark photoproduction. <i>Journal of Physics: Conference Series</i> , 2017 , 876, 012007	0.3	2
54	Three-body unitarity with isobars revisited. <i>European Physical Journal A</i> , 2017 , 53, 1	2.5	48
53	Amplitude analysis and the nature of the Z(3900). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 200-209	4.2	44
52	Finite-energy sum rules in eta photoproduction off a nucleon. <i>Physical Review D</i> , 2017 , 95,	4.9	25
51	Cross sections for the reactions $e^+e^- \rightarrow \gamma^* \rightarrow \pi^0 \pi^0$ and $\pi^0 \pi^0 \pi^0$ from events with initial-state radiation. <i>Physical Review D</i> , 2017 , 95,	4.9	12
50	Dalitz plot analyses of $J/\psi \rightarrow \pi^0 \pi^0 \pi^0$, $J/\psi \rightarrow \pi^0 \pi^0 K^0$, and $J/\psi \rightarrow \pi^0 K^0 \bar{K}^0$ produced via e^+e^- annihilation with initial-state radiation. <i>Physical Review D</i> , 2017 , 95,	4.9	5
49	Measurement of the inclusive electron spectrum from B meson decays and determination of $ V_{ub} $. <i>Physical Review D</i> , 2017 , 95,	4.9	9
48	Measurement of the $e^+e^- \rightarrow \pi^0 \pi^0$ cross section using initial-state radiation at BABAR. <i>Physical Review D</i> , 2017 , 96,	4.9	13
47	Measurement of the $D^{*+}(2010) \rightarrow D^+ \pi^0$ Mass Difference. <i>Physical Review Letters</i> , 2017 , 119, 202003	7.4	1
46	On the $\pi^0 \pi^0$ photoproduction beam asymmetry at high energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 362-367	4.2	5
45	Measurement of the $e^+e^- \rightarrow \pi^0 \pi^0 K^0$ and $K_S^0 \pi^0 \pi^0$ cross sections using initial-state radiation. <i>Physical Review D</i> , 2017 , 95,	4.9	5
44	Evidence for CP violation in $B^+ \rightarrow K^{*0} \pi^+$ from a Dalitz plot analysis of $B^+ \rightarrow K_S^0 \pi^0 \pi^+$ decays. <i>Physical Review D</i> , 2017 , 96,	4.9	2
43	Measurement of the $I=1/2$ K_S^0 -wave amplitude from Dalitz plot analyses of $B^0 \rightarrow K_S^0 \pi^0 \pi^0$ in two-photon interactions. <i>Physical Review D</i> , 2016 , 93,	4.9	6
42	Search for mixing-induced CP violation using partial reconstruction of $B^0 \rightarrow \bar{D}^{*+} X$ and kaon tagging. <i>Physical Review D</i> , 2016 , 93,	4.9	2
41	Time-dependent analysis of $B^0 \rightarrow K_S^0 \pi^0 \pi^0$ decays and studies of the $K^+ \pi^-$ system in $B^+ \rightarrow K^+ \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	10
40	Measurement of angular asymmetries in the decays $B^+ \rightarrow K^{*0} \pi^+$ <i>Physical Review D</i> , 2016 , 93,	4.9	20
39	Measurement of the neutral D meson mixing parameters in a time-dependent amplitude analysis of the $D^0 \rightarrow \pi^0 \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	7
38	Observation of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays in e^+e^- Collisions at the $\Upsilon(4S)$ Resonance. <i>Physical Review Letters</i> , 2016 , 116, 041801	7.4	8

37	Measurement of the $B_0 \rightarrow D^* \pi \pi$ branching fraction. <i>Physical Review D</i> , 2016 , 94,	4.9	5
36	Modeling new XYZ states at JPAC. <i>Journal of Physics: Conference Series</i> , 2016 , 770, 012030	0.3	
35	Hybridized tetraquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 292-295	4.2	63
34	Resonances in QCD. <i>Nuclear Physics A</i> , 2016 , 948, 93-105	1.3	17
33	Studying the $P_c(4450)$ resonance in J/ψ photoproduction off protons. <i>Physical Review D</i> , 2016 , 94,	4.9	38
32	Tests of CPT symmetry in $B_0 \bar{B}_0$ mixing and in $B_0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	4
31	Search for a muonic dark force at BaBar. <i>Physical Review D</i> , 2016 , 94,	4.9	66
30	Probing the nature of $Z_c(?)$ states via the $\pi\pi$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 746, 194-201	4.2	32
29	Measurement of the branching fractions of the radiative leptonic B decays $B \rightarrow \gamma \ell^+ \ell^-$ and $B \rightarrow \gamma \ell^+ \nu_\ell$ at BABAR. <i>Physical Review D</i> , 2015 , 91,	4.9	8
28	Study of CP asymmetry in $B^0 \rightarrow B^0$ mixing with inclusive dilepton events. <i>Physical Review Letters</i> , 2015 , 114, 081801	7.4	13
27	Search for Long-Lived Particles in $e^+ e^-$ Collisions. <i>Physical Review Letters</i> , 2015 , 114, 171801	7.4	19
26	Dalitz plot analyses of $B_0 \rightarrow D^0 K^+$ and $B^+ \rightarrow D^0 D^0 K^+$ decays. <i>Physical Review D</i> , 2015 , 91,	4.9	22
25	Four-quark hadrons: An updated review. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530002	1.2	148
24	Measurement of the $D_0 \rightarrow \pi^+ \pi^-$ differential decay branching fraction as a function of q^2 and study of form factor parametrizations. <i>Physical Review D</i> , 2015 , 91,	4.9	23
23	Search for a light Higgs resonance in radiative decays of the $\psi(1S)$ with a charm tag. <i>Physical Review D</i> , 2015 , 91,	4.9	7
22	Note on the newly observed $Y(4220)$ resonance. <i>Physical Review D</i> , 2015 , 91,	4.9	9
21	Observation of light nuclei at ALICE and the $X(3872)$ conundrum. <i>Physical Review D</i> , 2015 , 92,	4.9	28
20	Study of the $e^+ e^- \rightarrow \pi^+ K^-$ reaction in the energy range from 2.6 to 8.0 GeV. <i>Physical Review D</i> , 2015 , 92,	4.9	7

19	Measurement of initial-state-final-state radiation interference in the processes $e^+e^- \rightarrow \mu^+\mu^-$ and $e^+e^- \rightarrow \mu^+\mu^- \gamma$. <i>Physical Review D</i> , 2015 , 92,	4.9	6
18	Observation of the baryonic decay $B_c^- \rightarrow p \bar{K}^+$. <i>Physical Review D</i> , 2015 , 91,	4.9	2
17	Collins asymmetries in inclusive charged K^+K^- and $K^0\bar{K}^0$ pairs produced in e^+e^- annihilation. <i>Physical Review D</i> , 2015 , 92,	4.9	13
16	Study of $B_c^- \rightarrow \mu^+ \bar{K}^0$ decays. <i>Journal of Physics: Conference Series</i> , 2015 , 631, 012036	0.3	
15	Search for a dark photon in e^+e^- collisions at BABAR. <i>Physical Review Letters</i> , 2014 , 113, 201801	7.4	241
14	Search for neutron flux generation in a plasma discharge electrolytic cell. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	1
13	Search for new \bar{D} -like particles produced in association with a dilepton pair. <i>Physical Review D</i> , 2014 , 90,	4.9	1
12	Bottomonium spectroscopy and radiative transitions involving the $B_c(1P,2P)$ states at BaBar. <i>Physical Review D</i> , 2014 , 90,	4.9	5
11	The Physics of the B Factories. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	233
10	Production of tetraquarks at the LHC. <i>Physical Review D</i> , 2014 , 90,	4.9	26
9	Exotic Hadrons as Feshbach Resonances. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2014 , 7, 463	1.8	3
8	Exotic Hadron Spectroscopy. <i>EPJ Web of Conferences</i> , 2014 , 72, 00020	0.3	
7	Gauge theories in anti-selfdual variables. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	4
6	A comment on the indeterminacy of non-gauge-invariant integrals. <i>Chinese Physics C</i> , 2013 , 37, 043102	2.2	6
5	Doubly charmed tetraquarks in B_c and \bar{B}_c decays. <i>Physical Review D</i> , 2013 , 88,	4.9	41
4	$J^P=1^{++}$ charged resonance in the $(4260) \rightarrow \mu^+\mu^- \gamma$ decay?. <i>Physical Review D</i> , 2013 , 87,	4.9	87
3	A Mechanism for Hadron Molecule Production in pp and $p\bar{p}$ Collisions. <i>Journal of Modern Physics</i> , 2013 , 04, 1569-1573	0.5	48
2	EXOTIC HEAVY QUARKONIUM SPECTROSCOPY: A MINI-REVIEW. <i>Modern Physics Letters A</i> , 2012 , 27, 1230025	0.25	40

1 Spin of the X(3872). *Physical Review D*, **2012**, 86,

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