

Alessandro Pilloni

List of Publications by Citations

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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 | Multiquark resonances. <i>Physics Reports</i> , 2017 , 668, 1-97 | 27.7 | 373 |
| 107 | Search for a dark photon in $e^{+}e^{-}$ collisions at BABAR. <i>Physical Review Letters</i> , 2014 , 113, 201801 | 7.4 | 241 |
| 106 | The Physics of the B Factories. <i>European Physical Journal C</i> , 2014 , 74, 1 | 4.2 | 233 |
| 105 | Four-quark hadrons: An updated review. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530002 | 1.2 | 148 |
| 104 | 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 |
| 103 | JPG=1 ⁺⁺ charged resonance in the $\Upsilon(4260) \rightarrow \mu^{+}\mu^{-}$ decay?. <i>Physical Review D</i> , 2013 , 87, | 4.9 | 87 |
| 102 | Search for a muonic dark force at BaBar. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 66 |
| 101 | Hybridized tetraquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 292-295 | 4.2 | 63 |
| 100 | Three-body unitarity with isobars revisited. <i>European Physical Journal A</i> , 2017 , 53, 1 | 2.5 | 48 |
| 99 | A Mechanism for Hadron Molecule Production in pp Collisions. <i>Journal of Modern Physics</i> , 2013 , 04, 1569-1573 | 0.5 | 48 |
| 98 | 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 |
| 97 | Interpretation of the LHCb $P_{c}(4312)^{+}$ Signal. <i>Physical Review Letters</i> , 2019 , 123, 092001 | 7.4 | 42 |
| 96 | Doubly charmed tetraquarks in B_c and \bar{B}_c decays. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 41 |
| 95 | EXOTIC HEAVY QUARKONIUM SPECTROSCOPY: A MINI-REVIEW. <i>Modern Physics Letters A</i> , 2012 , 27, 1230025 | 0.25 | 40 |
| 94 | Studying the $P_c(4450)$ resonance in J/ψ photoproduction off protons. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 38 |
| 93 | Probing the nature of $Z_c(?)$ states via the η decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 746, 194-201 | 4.2 | 32 |
| 92 | Diquark correlations in hadron physics: Origin, impact and evidence. <i>Progress in Particle and Nuclear Physics</i> , 2021 , 116, 103835 | 10.6 | 32 |

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|----|---|-----|----|
| 91 | Observation of light nuclei at ALICE and the X(3872) conundrum. <i>Physical Review D</i> , 2015 , 92, | 4.9 | 28 |
| 90 | Equivalence of three-particle scattering formalisms. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 26 |
| 89 | Production of tetraquarks at the LHC. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 26 |
| 88 | Finite-energy sum rules in eta photoproduction off a nucleon. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 25 |
| 87 | Search for $B^+ \rightarrow K^+ \pi^+ \pi^-$ at the BaBar Experiment. <i>Physical Review Letters</i> , 2017 , 118, 031802 | 7.4 | 24 |
| 86 | 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 |
| 85 | Determination of the Pole Position of the Lightest Hybrid Meson Candidate. <i>Physical Review Letters</i> , 2019 , 122, 042002 | 7.4 | 24 |
| 84 | 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 |
| 83 | Dalitz plot analyses of $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^+ \rightarrow \pi^+ \pi^- K^+$ decays. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 22 |
| 82 | Measurement of angular asymmetries in the decays $B \rightarrow K^* \pi$. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 20 |
| 81 | Search for Long-Lived Particles in $e^+ e^-$ Collisions. <i>Physical Review Letters</i> , 2015 , 114, 171801 | 7.4 | 19 |
| 80 | Resonances in QCD. <i>Nuclear Physics A</i> , 2016 , 948, 93-105 | 1.3 | 17 |
| 79 | Pole position of the $a_1(1260)$ from $\pi\pi$ decay. <i>Physical Review D</i> , 2018 , 98, | 4.9 | 16 |
| 78 | Double polarization observables in pentaquark photoproduction. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 15 |
| 77 | Three-body scattering: ladders and resonances. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1 | 5.4 | 14 |
| 76 | 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 |
| 75 | Measurement of the $e^+e^- \rightarrow \pi^+\pi^-$ cross section using initial-state radiation at BABAR. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 13 |
| 74 | Collins asymmetries in inclusive charged KK and $K\pi$ pairs produced in e^+e^- annihilation. <i>Physical Review D</i> , 2015 , 92, | 4.9 | 13 |

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|----|---|-----|----|
| 73 | 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 |
| 72 | Cross sections for the reactions $e^+e^- \rightarrow \gamma^* \rightarrow \psi(3770) \rightarrow \psi(3770) \rightarrow \psi(3770) \rightarrow \psi(3770)$ from events with initial-state radiation. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 12 |
| 71 | Measurement of the spectral function for the $\psi(3770)$ decay. <i>Physical Review D</i> , 2018 , 98, | 4.9 | 12 |
| 70 | Nucleon resonance contributions to unpolarized inclusive electron scattering. <i>Physical Review C</i> , 2019 , 100, | 2.7 | 11 |
| 69 | Spin of the X(3872). <i>Physical Review D</i> , 2012 , 86, | 4.9 | 11 |
| 68 | Measurement of the $\psi(3770) \rightarrow \psi(3770)$ transition form factor. <i>Physical Review D</i> , 2018 , 98, | 4.9 | 11 |
| 67 | Time-dependent analysis of $B^0 \rightarrow \psi(3770) \rightarrow \psi(3770)$ decays and studies of the K^+K^- system in $B^+ \rightarrow \psi(3770) \rightarrow \psi(3770)$ decays. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 10 |
| 66 | Dalitz-plot decomposition for three-body decays. <i>Physical Review D</i> , 2020 , 101, | 4.9 | 9 |
| 65 | 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 |
| 64 | Note on the newly observed Y(4220) resonance. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 9 |
| 63 | Extraction of form Factors from a Four-Dimensional Angular Analysis of $B \rightarrow \psi(3770) \rightarrow \psi(3770)$. <i>Physical Review Letters</i> , 2019 , 123, 091801 | 7.4 | 8 |
| 62 | Measurement of the branching fractions of the radiative leptonic $\psi(3770)$ decays $\psi(3770) \rightarrow \psi(3770)$ and $\psi(3770) \rightarrow \psi(3770)$ at BABAR. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 8 |
| 61 | Observation of $B \rightarrow \psi(3770) \rightarrow \psi(3770)$ Decays in e^+e^- Collisions at the $\Upsilon(4S)$ Resonance. <i>Physical Review Letters</i> , 2016 , 116, 041801 | 7.4 | 8 |
| 60 | Khuri-Treiman equations for $(\pi \pi)$ scattering. <i>European Physical Journal C</i> , 2018 , 78, 1 | 4.2 | 8 |
| 59 | Study of the process $e^+e^- \rightarrow \gamma^* \rightarrow \psi(3770) \rightarrow \psi(3770)$ using initial state radiation. <i>Physical Review D</i> , 2018 , 97, | 4.9 | 8 |
| 58 | Search for a Stable Six-Quark State at BABAR. <i>Physical Review Letters</i> , 2019 , 122, 072002 | 7.4 | 7 |
| 57 | What is the right formalism to search for resonances?. <i>European Physical Journal C</i> , 2018 , 78, 1 | 4.2 | 7 |
| 56 | Measurement of the neutral D meson mixing parameters in a time-dependent amplitude analysis of the $D^0 \rightarrow \psi(3770)$ decay. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 7 |

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|----|--|-----|---|
| 55 | 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 |
| 54 | 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 |
| 53 | Study of the reactions $e^+e^- \rightarrow \pi^0\pi^0$ and $\pi^0\pi^0\pi^0$ 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 |
| 52 | New analysis of π 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 |
| 51 | The nature of X(3872) from high-multiplicity pp collisions. <i>European Physical Journal C</i> , 2021 , 81, 1 | 4.2 | 7 |
| 50 | XYZ spectroscopy at electron-hadron facilities: Exclusive processes. <i>Physical Review D</i> , 2020 , 102, | 4.9 | 6 |
| 49 | Measurement of the $I=1/2$ K_S^0 -wave amplitude from Dalitz plot analyses of $B \rightarrow \pi K \pi$ in two-photon interactions. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 6 |
| 48 | Measurement of initial-state-final-state radiation interference in the processes $e^+e^- \rightarrow \pi^+\pi^-$ and $e^+e^- \rightarrow \pi^0\pi^0$. <i>Physical Review D</i> , 2015 , 92, | 4.9 | 6 |
| 47 | H - η comment on the indeterminacy of non-gauge-invariant integrals. <i>Chinese Physics C</i> , 2013 , 37, 043102 | 2.2 | 6 |
| 46 | Structure of pion photoproduction amplitudes. <i>Physical Review D</i> , 2018 , 98, | 4.9 | 6 |
| 45 | Resonances in e^+e^- annihilation near 2.2 GeV. <i>Physical Review D</i> , 2020 , 101, | 4.9 | 5 |
| 44 | Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 5 |
| 43 | 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 |
| 42 | Dalitz plot analyses of $J/\psi \rightarrow \pi^0$, $J/\psi \rightarrow K^0$, and $J/\psi \rightarrow K^0 K^0$ produced via e^+e^- annihilation with initial-state radiation. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 5 |
| 41 | On the π and η 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 |
| 40 | Measurement of the $e^+e^- \rightarrow K_S^0 K^0$ and $K_S^0 K^0 \pi^0$ cross sections using initial-state radiation. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 5 |
| 39 | Bottomonium spectroscopy and radiative transitions involving the $\chi_{J(1P,2P)}$ states at BaBar. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 5 |
| 38 | Moments of angular distribution and beam asymmetries in π photoproduction at GlueX. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 5 |

- 37 Vector meson photoproduction with a linearly polarized beam. *Physical Review D*, **2018**, 97, 4.9 5
- 36 Global analysis of charge exchange meson production at high energies. *Physical Review D*, **2018**, 98, 4.9 5
- 35 Observation of the Decay $D^{\{0\}} \rightarrow \rho^{\{+\}} e^{\{+\}} e^{\{-\}}$. *Physical Review Letters*, **2019**, 122, 081802 7.4 4
- 34 Search for a Dark Leptophilic Scalar in $e^{\{+\}} e^{\{-\}}$ Collisions. *Physical Review Letters*, **2020**, 125, 181801 7.4 4
- 33 Measurements of the Absolute Branching Fractions of $B^{\{\theta\}} \rightarrow \rho^{\{\theta\}} X_{\text{cc}}^{\{\theta\}}$. *Physical Review Letters*, **2020**, 124, 152001 7.4 4
- 32 Gauge theories in anti-selfdual variables. *Journal of High Energy Physics*, **2013**, 2013, 1 5.4 4
- 31 $(\omega \rightarrow 3\pi)$ and $(\omega \rightarrow \pi^0)$ transition form factor revisited. *European Physical Journal C*, **2020**, 80, 1 4.2 4
- 30 Khuri-Treiman equations for 3π decays of particles with spin. *Physical Review D*, **2020**, 101, 4.9 4
- 29 Tests of CPT symmetry in $B^0 \bar{B}^0$ mixing and in $B^0 \rightarrow \rho^0 K^0$ decays. *Physical Review D*, **2016**, 94, 4.9 4
- 28 What is the right formalism to search for resonances? II. The pentaquark chain. *European Physical Journal C*, **2018**, 78, 1 4.2 4
- 27 Exotic Hadrons as Feshbach Resonances. *Acta Physica Polonica B, Proceedings Supplement*, **2014**, 7, 463 1.8 3
- 26 Exclusive tensor meson photoproduction. *Physical Review D*, **2020**, 102, 4.9 3
- 25 First measurement of direct photoproduction of the $a_2(1320)^0$ meson on the proton. *Physical Review C*, **2020**, 102, 2.7 2
- 24 Search for Rare or Forbidden Decays of the $D^{\{0\}}$ Meson. *Physical Review Letters*, **2020**, 124, 071802 7.4 2
- 23 Pentaquark photoproduction. *Journal of Physics: Conference Series*, **2017**, 876, 012007 0.3 2
- 22 Search for mixing-induced CP violation using partial reconstruction of $B^0 \rightarrow \rho^+ X^0$ and kaon tagging. *Physical Review D*, **2016**, 93, 4.9 2
- 21 Evidence for CP violation in $B^+ \rightarrow \rho^*(892)^0 \pi^+$ from a Dalitz plot analysis of $B^+ \rightarrow \rho^0 \pi^+ \pi^0$ decays. *Physical Review D*, **2017**, 96, 4.9 2
- 20 Observation of the baryonic decay $B^0 \rightarrow \rho^+ p \bar{K}^0$. *Physical Review D*, **2015**, 91, 4.9 2

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|----|---|-----|---|
| 19 | Regge phenomenology of the N^* and π poles. <i>Physical Review D</i> , 2019 , 99, | 4.9 | 2 |
| 18 | Search for $B\pi\pi$ with the BaBar experiment. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 2 |
| 17 | Analyticity constraints for hadron amplitudes: Going high to heal low-energy issues. <i>Europhysics Letters</i> , 2018 , 122, 41001 | 1.6 | 2 |
| 16 | Studying the $(P_c(4450))$ Resonance in (J/ψ) Photoproduction Off Protons. <i>Few-Body Systems</i> , 2018 , 59, 1 | 1.6 | 2 |
| 15 | Study of $\rho(1S)$ radiative decays to $\pi\pi$ and $K+K$ <i>Physical Review D</i> , 2018 , 97, | 4.9 | 2 |
| 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 | Measurement of the $D^{*(2010)^+}-D^+$ Mass Difference. <i>Physical Review Letters</i> , 2017 , 119, 202003 | 7.4 | 1 |
| 12 | Search for new \bar{D} -like particles produced in association with a μ lepton pair. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 1 |
| 11 | Scalar and tensor resonances in J/ψ radiative decays. <i>European Physical Journal C</i> , 2022 , 82, 1 | 4.2 | 1 |
| 10 | Light meson spectroscopy from Dalitz plot analyses of B decays to $\bar{K}+K$, $\bar{D}+D$ and $\pi\pi$ produced in two-photon interactions. <i>Physical Review D</i> , 2021 , 104, | 4.9 | 1 |
| 9 | Search for lepton-flavor-violating decays $D_0 \rightarrow \mu e \pi$. <i>Physical Review D</i> , 2020 , 101, | 4.9 | 1 |
| 8 | $(\pi^- \rightarrow \eta' + \pi^-)$ in the double-Regge region. <i>European Physical Journal C</i> , 2021 , 81, 1 | 4.2 | 1 |
| 7 | Search for the decay mode $B_0 \rightarrow \rho^+ \rho^-$. <i>Physical Review D</i> , 2018 , 98, | 4.9 | 1 |
| 6 | From the line shape of the $X(3872)$ to its structure. <i>Physical Review D</i> , 2022 , 105, | 4.9 | 1 |
| 5 | Photoproduction of the $f_2(1270)$ Meson Using the CLAS Detector. <i>Physical Review Letters</i> , 2021 , 126, 082002 | 7.4 | 0 |
| 4 | Study of $B \rightarrow \rho\pi$ decays. <i>Journal of Physics: Conference Series</i> , 2015 , 631, 012036 | 0.3 | |
| 3 | Search for Darkonium in e^+e^- Collisions.. <i>Physical Review Letters</i> , 2022 , 128, 021802 | 7.4 | |
| 2 | Exotic Hadron Spectroscopy. <i>EPJ Web of Conferences</i> , 2014 , 72, 00020 | 0.3 | |

1 Modeling new XYZ states at JPAC. *Journal of Physics: Conference Series*, **2016**, 770, 012030

0.3