

# Eugenio Paoloni

## List of Publications by Year in descending order

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92  
papers

4,404  
citations

117625

34  
h-index

106344

65  
g-index

92  
all docs

92  
docs citations

92  
times ranked

6213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for an Excess of $B \rightarrow \hat{A}^* \gamma$ Decays. Physical Review Letters, 2004, 92, 121801.	7.8	731
2	Search for a Dark Photon in $B \rightarrow e \gamma$ Decays. Physical Review Letters, 2014, 113, 201801.	7.8	410
3	Evidence for $D^0 \rightarrow D^* \gamma$ Mixing. Physical Review Letters, 2007, 98, 211802.	7.8	205
4	Measurement of CP-Violating Asymmetries in $B \rightarrow \gamma$ Decays to CP Eigenstates. Physical Review Letters, 2001, 86, 2515-2522.	7.8	173
5	Observation of Time-Reversal Violation in the $B \rightarrow \gamma$ Meson System. Physical Review Letters, 2012, 109, 211801.	7.8	139
6	Observation of an Excited Charm Baryon $\Lambda_c^* \rightarrow \Lambda_c \gamma$ . Physical Review Letters, 2006, 97, 232001.	7.8	125
7	Improved Measurement of CP Asymmetries in $B \rightarrow \gamma$ Decays. Physical Review Letters, 2005, 94, 161803.	7.8	118
8	Measurements of the Mass and Width of the $c$ -Meson and of an $c(2S)$ Candidate. Physical Review Letters, 2004, 92, 142002.	7.8	102
9	Evidence for the $b(1S)$ Meson in Radiative $\Upsilon(2S)$ Decay. Physical Review Letters, 2009, 103, 161801.	7.8	95
10	Precision Measurement of the Energy Spectrum, Branching Fraction, and Direct CP Asymmetry of $B \rightarrow \gamma$ Decays. Physical Review Letters, 2006, 96, 251802.	7.8	83
11	Search for T, CP, and CPT Violation in $B \rightarrow \gamma$ Mixing with Inclusive Dilepton Events. Physical Review Letters, 2006, 96, 251802.	7.8	81
12	Search for Low-Mass Dark-Sector Higgs Bosons. Physical Review Letters, 2012, 108, 211801.	7.8	78
13	Search for Lepton-Flavor Violation in the Decay $\tilde{B} \rightarrow \gamma \tilde{a}, \tilde{a} \gamma, \tilde{a} \gamma \tilde{a}, \tilde{a} \gamma \tilde{a} \gamma$ . Physical Review Letters, 2004, 92, 121801.	7.8	71
14	Observation of $B \rightarrow \gamma K^* K$ and $B \rightarrow \gamma K^* K^0$ . Physical Review Letters, 2006, 97, 171805.	7.8	70
15	Measurement of the Branching Fraction and Photon Energy Moments of $B \rightarrow X s_1^3$ and $ACP(B \rightarrow X s + d^3)$ . Physical Review Letters, 2006, 97, 171803.	7.8	68
16	Study of $B \rightarrow D_s \gamma$ and $D^* \rightarrow \gamma$ Decays. Physical Review Letters, 2004, 93, 181801.	7.8	58
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18			

#	ARTICLE	IF	CITATIONS
19	Search for $C \rightarrow P T$ and Lorentz Violation in $B \rightarrow B^0$ Decays. Physical Review Letters, 2010, 105, 121801.	7.8	56
20	Evidence for Direct CP Violation in the Measurement of the Cabbibo-Kobayashi-Maskawa Angle $\beta$ with $B^0 \rightarrow D^{(*)} K^{(*)}$ Decays. Physical Review Letters, 2010, 105, 121801.	7.8	56
21	Search for Hadronic Decays of a Light Higgs Boson in the Radiative Decay $\Upsilon \rightarrow \Upsilon^3 A_0$ . Physical Review Letters, 2011, 107, 221803.	7.8	55
22	Search for a Low-Mass Higgs Boson in $\Upsilon(3S) \rightarrow \Upsilon^3 A_0, A_0 \rightarrow \Upsilon, \Upsilon, \Upsilon$ at BABAR. Physical Review Letters, 2009, 103, 181801.	7.8	54
23	Search for Invisible Decays of the $\Upsilon(3S)$ into $1 S$ and $T_j$ ETQq1 0.784314 rgBT / Overlock 10 Tf 50 572	7.8	48
24	Observation of the Decay $B \rightarrow B^0 + \Upsilon$ . Physical Review Letters, 2007, 99, 221801.	7.8	47
25	Measurements of Branching Fractions, Polarizations, and Direct CP-Violation Asymmetries in $B^0 \rightarrow K^* \bar{K}^0$ and $B^0 \rightarrow K^* K^0$ Decays. Physical Review Letters, 2006, 97, 201801.	7.8	46
26	Search for the Decay $B \rightarrow K + \Upsilon$ . Physical Review Letters, 2005, 94, 101801.	7.8	43
27	Improved Limits on the Lepton-Flavor Violating Decays $\Upsilon \rightarrow \Upsilon^3 l^+ l^-$ . Physical Review Letters, 2007, 99, 251803.	7.8	43
28	Measurement of the Pseudoscalar Decay Constant $f_D$ Using Charm-Tagged Events in $e^+ e^-$ Collisions at $\sqrt{s} = 10.58$ GeV. Physical Review Letters, 2007, 98, 141801.	7.8	41
29	Measurements of $C \rightarrow P$ -Violating Asymmetries in the Decay $B \rightarrow B^0$ . Physical Review Letters, 2007, 99, 161802.	7.8	39
30	Measurement of CP Violation Parameters with a Dalitz Plot Analysis of $B^0 \rightarrow D^+ D^0 K^0$ . Physical Review Letters, 2007, 99, 251801.	7.8	39
31	Measurement of $D \rightarrow \hat{A}^-$ Mixing from a Time-Dependent Amplitude Analysis of $B \rightarrow D^0 \hat{A}^-$ Decays. Physical Review Letters, 2007, 99, 161802.	7.8	39
32	Measurement of the $B^0 \rightarrow \Upsilon \ell^+ \ell^-$ Branching Fraction and Determination of $ V_{ub} $ with Tagged $B$ Mesons. Physical Review Letters, 2006, 97, 211801.	7.8	37
33	Measurement of Branching Fractions and Charge Asymmetries for Exclusive $B$ Decays to Charmonium. Physical Review Letters, 2005, 94, 141801.	7.8	36
34	Measurement of the Branching Fractions of $B \rightarrow \hat{A}^-$ Decays in Events Tagged by a Fully Reconstructed $B$ . Physical Review Letters, 2008, 101, 261802.	7.8	36
35	Search for the Rare Decay $B^0 \rightarrow \Upsilon, \Upsilon$ at BABAR. Physical Review Letters, 2006, 96, 241802.	7.8	34
36	Improved Measurement of CP Violation in Neutral $B$ Decays to $c \bar{c} s$ . Physical Review Letters, 2007, 99, 171803.	7.8	34

#	ARTICLE	IF	CITATIONS
37	Search for Long-Lived Particles in $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2007, 98, 261802.	7.8	31
38	Measurement of the $B \rightarrow \mu \nu \mu \nu$ Branching Fraction and CP Violation in $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2007, 98, 181803.	7.8	33
39	Measurements of CP-Violating Asymmetries in $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2007, 98, 181803.	7.8	32
40	Measurement of $B \rightarrow \mu \nu \mu \nu$ Branching Fractions and CP and Isospin Asymmetries. Physical Review Letters, 2009, 103, 211802.	7.8	32
41	Observation and Polarization Measurements of $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2008, 101, 161801.	7.8	30
42	Amplitude Analysis of the $B \rightarrow \mu \nu \mu \nu$ Decay. Physical Review Letters, 2007, 99, 201802.	7.8	28
43	Measurement of the Branching Fractions of Exclusive $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2007, 99, 201802.	7.8	28
44	Improved Measurement of $B \rightarrow \mu \nu \mu \nu$ Branching Fraction and CP Violation. Physical Review Letters, 2008, 100, 231803.	7.8	27
45	Determination of the Quark-Mixing Phase Angle $\alpha_1$ in $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2008, 101, 161801.	7.8	27
46	Search for Charged Lepton Flavor Violation in Narrow $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2010, 104, 151802.	7.8	26
47	Track finding at Belle II. Computer Physics Communications, 2021, 259, 107610.	7.5	25
48	Measurement of the Decay $B \rightarrow \mu \nu \mu \nu$ and a Search for $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2008, 100, 231803.	7.8	24
49	Search for CP Violation in $B \rightarrow \mu \nu \mu \nu$ Mixing Using Partial Reconstruction of $B \rightarrow \mu \nu \mu \nu$ and a Kaon Tag. Physical Review Letters, 2013, 111, 101802.	7.8	24
50	Measurements of Branching Fraction, Polarization, and Charge Asymmetry of $B \rightarrow \mu \nu \mu \nu$ and a Search for $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2006, 97, 261801.	7.8	23
51	Determinations of $ V_{ub} $ from Inclusive Semileptonic $B$ Decays with Reduced Model Dependence. Physical Review Letters, 2006, 96, 221801.	7.8	23
52	Branching Fraction Measurements of $B \rightarrow \mu \nu \mu \nu$ , $B \rightarrow \mu \nu \mu \nu$ , and $B \rightarrow \mu \nu \mu \nu$ . Physical Review Letters, 2007, 98, 151802.	7.8	23
53	Measurement of Branching Fractions and Charge Asymmetries in $B \rightarrow \mu \nu \mu \nu$ Decays to $\pi^-$ Meson and $K^*$ Meson. Physical Review Letters, 2006, 97, 201802.	7.8	22
54	Measurements of CP-Violating Asymmetries in $B \rightarrow \mu \nu \mu \nu$ Decays. Physical Review Letters, 2004, 93, 131805.	7.8	21

#	ARTICLE	IF	CITATIONS
55	Limit on the $B \rightarrow D^* \bar{D}^0$ Branching Fraction and Implications for the Cabibbo-Kobayashi-Maskawa Angle $\beta_s$ . Physical Review Letters, 2005, 94, 131801.	7.8	21
56	Measurement of $\cos(\delta_2)$ in $B \rightarrow D^* D^0$ Decays with a Time-Dependent Dalitz Plot Analysis of $D^* \rightarrow K^0 \pi^+ \pi^-$ . Physical Review Letters, 2007, 99, 231802.	7.8	20
57	Observation of Tree-Level $B \rightarrow s \gamma$ Decays with $B \rightarrow s \gamma$ Production from Gluon Radiation. Physical Review Letters, 2008, 100, 171803.	7.8	20
58	Study of $B \rightarrow D^* D^0$ and $B \rightarrow D^* \bar{D}^0$ Decays: Measurement of the Ratio of Branching Fractions and Search for Direct CP Violation. Physical Review Letters, 2004, 92, 241802.	7.8	19
59	Search for Flavor-Changing Neutral Current and Lepton-Flavor Violating Decays of $D^0 \rightarrow \ell^+ \ell^-$ . Physical Review Letters, 2004, 93, 191801.	7.8	18
60	Search for $D^0 \rightarrow D^0$ Mixing and Branching-Ratio Measurement in the Decay $D^0 \rightarrow K^+ \pi^- \pi^0$ . Physical Review Letters, 2006, 97, 221803.	7.8	18
61	Observation of B Meson Decays to $b \bar{c} \ell$ and $b \bar{c} K$ . Physical Review Letters, 2007, 99, 241803.	7.8	18
62	Branching Fractions and CP Asymmetries in $B \rightarrow K^+ K^0$ and $B \rightarrow K^+ K^0 S^0$ . Physical Review Letters, 2004, 93, 181805.	7.8	16
63	Evidence for Charged $B \rightarrow K^+ K^0$ Meson Decays to $B \rightarrow K^+ K^0$ . Physical Review Letters, 2008, 100, 171802.	7.8	16
64	Measurements of Partial Branching Fractions for $B \rightarrow X \ell^+ \ell^-$ and Determination of $ V_{ub} $ . Physical Review Letters, 2008, 100, 171802.	7.8	16
65	The BaBar silicon-vertex tracker: performance, running experience, and radiation-damage studies. IEEE Transactions on Nuclear Science, 2002, 49, 3284-3289.	2.0	15
66	Measurement of Time-Dependent CP-Violating Asymmetries in $B \rightarrow K^* K^0$ Decays. Physical Review Letters, 2004, 93, 201801.	7.8	14
67	Measurement of Time-Dependent CP Asymmetries and Constraints on $\sin(\delta_2)$ with Partial Reconstruction of $B \rightarrow D^* \pi^+ \pi^-$ Decays. Physical Review Letters, 2004, 92, 251802.	7.8	14
68	Measurement of Branching Fractions and Mass Spectra of $B \rightarrow K^* \pi^+ \pi^-$ . Physical Review Letters, 2007, 98, 211804.	7.8	14
69	Measurement of Time-Dependent CP Asymmetries in $B \rightarrow D^* \pi^+ \pi^-$ Decays and Constraints on $\sin(\delta_2)$ . Physical Review Letters, 2004, 92, 251801.	7.8	13
70	Measurement of the Branching Fractions and CP Asymmetry of $B \rightarrow D^* D^0$ Decays with the BABAR Detector. Physical Review Letters, 2004, 92, 202002.	7.8	13
71	Searches for B Meson Decays to $\bar{c} \bar{c} \ell$ , $\bar{c} \bar{c} \pi$ , and $f_0(980) f_0(980)$ Final States. Physical Review Letters, 2008, 101, 201801.	7.8	13
72	Searches for B Decays to Combinations of Two Charmless Isoscalar Mesons. Physical Review Letters, 2004, 93, 181806.	7.8	12

#	ARTICLE	IF	CITATIONS
73	Measurements of Branching Fractions and CP-Violating Asymmetries in B Meson Decays to Charmless Two-Body States Containing a K <sub>0</sub> . Physical Review Letters, 2004, 92, 201802.	7.8	12
74	Evidence for B <sup>0</sup> → π <sup>0</sup> Decays and Implications for the Cabibbo-Kobayashi-Maskawa Angle β. Physical Review Letters, 2007, 98, 111801.	7.8	12
75	Measurement of the CP Asymmetry in B <sup>+</sup> → π <sup>+</sup> K <sup>0</sup> Using a Sum of Exclusive Final States. Physical Review Letters, 2008, 101, 171804.	7.8	12
76	Compact Superconducting High Gradient Quadrupole Magnets for the Interaction Regions of High Luminosity Colliders. IEEE Transactions on Applied Superconductivity, 2013, 23, 4001004-4001004.	1.7	12
77	Measurement of the Branching Fraction and Polarization for the Decay B <sup>0</sup> → π <sup>0</sup> K <sup>+</sup> K <sup>-</sup> . Physical Review Letters, 2004, 92, 141801.	7.8	11
78	Search for the Rare Leptonic Decay B <sup>+</sup> → π <sup>+</sup> μ <sup>+</sup> μ <sup>-</sup> . Physical Review Letters, 2004, 92, 221803.	7.8	9
79	Evidence for B <sup>+</sup> → K <sup>0</sup> K <sup>+</sup> and B <sup>0</sup> → K <sup>0</sup> K <sup>0</sup> , and Measurement of the Branching Fraction and Search for Direct CP Violation in B <sup>+</sup> → K <sup>0</sup> K <sup>+</sup> . Physical Review Letters, 2005, 95, 221801.	7.8	8
80	Search for the Radiative Decays B <sup>0</sup> → π <sup>0</sup> γ and B <sup>0</sup> → π <sup>0</sup> γ γ. Physical Review Letters, 2004, 92, 111801.	7.8	7
81	Resistive plate chamber performance in the BaBar IFR system. IEEE Transactions on Nuclear Science, 2002, 49, 888-893.	2.0	6
82	Search for $B \rightarrow \pi^0 \mu^+ \mu^-$ and $B \rightarrow \pi^0 \mu^+ \mu^- \gamma$ Decays. Performance, radiation damage, and future plans of the BABAR silicon vertex tracker. IEEE Transactions on Nuclear Science, 2004, 51, 2298-2301.	7.8	6
83	Search for B <sup>±</sup> → [K <sup>±</sup> π <sup>±</sup> ] DK <sup>±</sup> and Upper Limit on the B <sup>±</sup> → Aμ Amplitude in B <sup>±</sup> → DK <sup>±</sup> . Physical Review Letters, 2004, 93, 131804.	7.8	5
84	DAΦNE Upgrade Status. Nuclear Physics, Section B, Proceedings Supplements, 2008, 181-182, 385-389.	0.4	5
85	Observation of B <sup>+</sup> → π <sup>+</sup> K <sup>0</sup> and Evidence for B <sup>0</sup> → π <sup>0</sup> K <sup>0</sup> below c Threshold. Physical Review Letters, 2006, 97, 261802.	7.8	4
86	Measurement of $B \rightarrow \pi^0 \mu^+ \mu^- X$ and Determination of $ V_{cb} $ Physical Review Letters, 2009, 102, 161803.	7.8	4
87	Demonstrator of the Belle II Online Tracking and Pixel Data Reduction on the High Level Trigger System. IEEE Transactions on Nuclear Science, 2015, 62, 1155-1161.	2.0	4
88	On-Chip Fast Data Sparsification for a Monolithic 4096-Pixel Device. IEEE Transactions on Nuclear Science, 2009, 56, 1159-1162.	2.0	2
89	Lessons learned from BaBar silicon vertex tracker, limits, and future perspectives of the detector. IEEE Transactions on Nuclear Science, 2005, 52, 787-792.	2.0	1

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91	Design, Construction and Test of a Model Superconducting Quadrupole for the Interaction Region of Super \$B\$ Factory. IEEE Transactions on Applied Superconductivity, 2012, 22, 4000104-4000104.	1.7	1
92	First results of the Belle II Silicon Vertex Detector readout system. Journal of Instrumentation, 2014, 9, C12005-C12005.	1.2	1