

Michael Gronau

List of Publications by Year in descending order

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116
papers

5,909
citations

76031

42
h-index

81351

76
g-index

116
all docs

116
docs citations

116
times ranked

978
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Γ -width effects for a precise value of $\hat{\Gamma}_{\pm}$ in $B \rightarrow \pi^{\pm} \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 345-350.	1.5	4
2	Reexamining the photon polarization in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D, 2017, 96, .	1.6	10
3	Improving the measurement of the CKM phase $\arg(V_{cb} V_{cd}^*)$ in $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^{\pm}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 228-233.	1.5	6
4	S -wave nonleptonic hyperon decays and $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2011, 84, .	1.6	9
5	Test for exotic isoscalar resonance dominating $D \rightarrow \pi^+ \pi^0$ decays. Physical Review D, 2015, 92, .	1.5	16
6	New physics in singly Cabibbo-suppressed D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 136-139.	1.5	3
8	Charmless $B \rightarrow P^+ P^-$ decays: The fully-symmetric final state. Physical Review D, 2014, 89, .	1.6	27
9	Flavor $SU(3)$ and $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2014, 89, .	1.6	15
10	CP asymmetries in three-body $B \rightarrow \pi^+ \pi^0 \pi^0$ decays to charged pions and kaons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 337-343.	1.6	15
11	Shift in weak phase β_3 due to CP asymmetries in D decays to two pseudoscalar mesons. Physical Review D, 2013, 87, .	1.6	7
12	U-spin breaking in CP asymmetries in B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 136-140.	1.5	39
13	Rescattering contributions to rare $B \rightarrow \pi^0 \pi^0$ -meson decays. Physical Review D, 2013, 87, .	1.6	22
14	Triple-product asymmetries in $K, D(s)$, and $B(s)$ decays. Physical Review D, 2011, 84, .	1.6	46
15	Calculating phases between $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2010, 81, .	1.6	9
16	Doubly CKM-suppressed corrections to CP asymmetries in $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2010, 81, .	1.6	9
17	Diagnostic for new physics in $B \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 97-100.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Studying new physics amplitudes in charmless $B \rightarrow s \ell \ell$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 212-216.	1.5	9
20	B decays dominated by \bar{I}^0 mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 185-188.	1.5	22
21	Implications for CP asymmetries of improved data on $B \rightarrow K \ell \ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 467-471.	1.5	24
22	Flavor symmetry for strong phases and determination of $\mathcal{A}(\bar{B} \rightarrow \bar{K}^* \ell \ell)$ in $B \rightarrow K^* \ell \ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 472-476.	1.5	12
23	Small amplitude effects in $B \rightarrow K^* \ell \ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 477-481.	1.5	10
24	Added to a CoE Constraint on $B \rightarrow K^* \ell \ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 482-486.	1.6	3
25	CP VIOLATION IN BEAUTY DECAYS. International Journal of Modern Physics A, 2007, 22, 1953-1981.	0.5	8
26	Isospin of new physics in $ ^1S = 1$ charmless B decays. Physical Review D, 2007, 75, .	1.6	6
27	Improved method for CKM constraints in charmless three-body $B \rightarrow B_s \ell \ell$ decays. Physical Review D, 2007, 75, .	1.6	37
28	Precision Tests of Flavor and CP Violation in B Decays. Nuclear Physics, Section B, Proceedings Supplements, 2007, 163, 16-22.	0.5	1
29	Sum rule for rate and CP asymmetry in $B \rightarrow K^* \ell \ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 207-212.	1.5	20
30	Systematic error on weak phase β from $B \rightarrow K^* \ell \ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 213-217.	1.5	9
31	Rate and CP-asymmetry sum rules in $B \rightarrow K^* \ell \ell$. Physical Review D, 2006, 74, .	1.6	24
32	Updated bounds on CP asymmetries in $B \rightarrow K^* \ell \ell$ and $B \rightarrow K^* \ell \ell$. Physical Review D, 2006, 74, .	1.6	26
33	Weak Phases and CP Violation. Nuclear Physics, Section B, Proceedings Supplements, 2006, 156, 69-76.	0.5	3
34	Suppression of flavor symmetry breaking in B decay sum rules. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 207-212.	1.5	19
35	A precise sum rule among four $B \rightarrow K^* \ell \ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 213-217.	1.5	15
36	Rate and CP-asymmetry sum rules in $B \rightarrow K^* \ell \ell$. Physical Review D, 2006, 74, .	1.5	62

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37	CP Violation in B Meson Decays. Nuclear Physics, Section B, Proceedings Supplements, 2005, 142, 263-270.	0.5	0
38	Symmetry relations in charmless $B \rightarrow PP$ decays. Physical Review D, 2005, 72, .	1.6	56
39	$b \rightarrow s$ penguin amplitude in charmless $B \rightarrow PP$ decays. Physical Review D, 2005, 71, .	1.6	37
40	Charmless $B \rightarrow VP$ decays using flavor SU(3) symmetry. Physical Review D, 2004, 69, .	1.6	98
41	P and CP violation in B physics. Pramana - Journal of Physics, 2004, 62, 255-267.	0.9	1
42	Interpreting the time-dependent CP asymmetry in $B \rightarrow \bar{K}^0 K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 331-339.	1.5	30
43	Implications of CP asymmetries in $B \rightarrow \bar{K}^0 K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 339-346.	1.5	26
44	Correlated bounds on CP asymmetries in $B \rightarrow \bar{K}^0 K^0$. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevi.</small> Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 339-346.	1.5	38
45	Charmless $B \rightarrow PP$ decays using flavor SU(3) symmetry. Physical Review D, 2004, 70, .	1.6	162
46	Rates and asymmetries in $B \rightarrow K^0 \bar{K}^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 572, 43-49.	1.5	61
47	Improving bounds on $\hat{\Gamma}^3$ in $B \rightarrow \hat{K}^0 \bar{K}^0$ and $B \rightarrow \hat{K}^0 K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 557, 198-206.	1.5	80
48	I-spin, U-spin, and penguin dominance in $B \rightarrow K^0 K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 564, 90-96.	1.5	54
49	Two-body charmless B decays involving $\hat{\Gamma}^2$ and $\hat{\Gamma}^2$. Physical Review D, 2003, 68, .	1.6	52
50	$B \rightarrow D^* a_1$: Chirality Tests and Resolving an Ambiguity in the CP Violation Parameter $2\hat{\Gamma}^2 + \hat{\Gamma}^3$. Physical Review Letters, 2003, 90, 051801.	2.9	8
51	Photon polarization in radiative B decays. Physical Review D, 2002, 66, .	1.6	48
52	Measuring the Photon Polarization in $B \rightarrow K^0 \bar{K}^0$. Physical Review Letters, 2002, 88, 051802.	2.9	70
53	Weak phase $\hat{\Gamma}^3$ from $B_s(t) \rightarrow K^0 \bar{K}^0$. Physical Review D, 2002, 65, .	1.6	11
54	Convention-independent study of CP-violating asymmetries in $B \rightarrow \bar{K}^0 K^0$. Physical Review D, 2002, 66, .	1.6	32

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55	Strong and weak phases from time-dependent measurements of $B \rightarrow \pi \pi$. Physical Review D, 2002, 65, .	1.6	45
56	U-spin symmetry in doubly Cabibbo-suppressed charmed meson decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 500, 247-253.	1.5	26
57	Measuring D^0 mixing and relative strong phases at a charm factory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 508, 37-43.	1.5	64
58	Improving bounds on penguin pollution in $B \rightarrow \pi \pi$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 514, 315-320.	1.5	61
59	CKM phases from CP asymmetries. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 462, 1-10.	0.7	5
60	Tests for coherence in neutral B meson decays. Physical Review D, 2001, 63, .	1.6	4
61	Implications of CP asymmetry limits for $B \rightarrow \pi K$ and $B \rightarrow \pi \pi$. Physical Review D, 2001, 65, .	1.6	40
62	RECENT THEORETICAL DEVELOPMENTS IN CP VIOLATION. , 2001, , .		1
63	The role of $B_s \rightarrow \pi K$ in determining the weak phase $\hat{\Gamma}^3$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 482, 71-76.	1.5	69
64	U-spin symmetry in charmless B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 492, 297-302.	1.5	83
65	New information on B decays to charmless VP final states. Physical Review D, 2000, 61, .	1.6	42
66	Electroweak penguin amplitudes and constraints on $\hat{\Gamma}^3$ in charmless $B \rightarrow VP$ decays. Physical Review D, 2000, 62, .	1.6	24
67	Extrapolating SU(3) breaking from D to B decays. Physical Review D, 2000, 62, .	1.6	9
68	DETERMINING THE CP VIOLATING PHASE $\hat{\Gamma}^3$. , 2000, , .		0
69	Resonant Two-Body DD decays. Physical Review Letters, 1999, 83, 4005-4008.	2.9	18
70	Model-independent electroweak penguin amplitudes in B decays to two pseudoscalars. Physical Review D, 1999, 60, .	1.6	113
71	Combining CP asymmetries in $B \rightarrow \pi K$ decays. Physical Review D, 1999, 59, .	1.6	62
72	Critical look at rescattering effects on $\hat{\Gamma}^3$ from $B \rightarrow \pi K$. Physical Review D, 1999, 61, .	1.6	9

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73	Weak phases $\hat{\Gamma}^3$ and $\hat{\Gamma}^\pm$ from B^+ , or B^0 and B_s decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 321-327.	1.5	7
74	Theory of CP violation. Nuclear Physics, Section B, Proceedings Supplements, 1998, 65, 245-257.	0.5	4
75	Final state interaction effects on $\hat{\Gamma}^3$ from $B^+ \rightarrow DK$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 439, 171-175.	1.5	20
76	Weak phase $\hat{\Gamma}^3$ from the ratio of $B^+ \rightarrow K^0 \pi^+$ rates. Physical Review D, 1998, 57, 6843-6850.	1.6	70
77	Rescattering information from $B^+ \rightarrow K^0 \bar{K}^0$ decays. Physical Review D, 1998, 58, .	1.6	36
78	B decays to charmless VP final states. Physical Review D, 1998, 57, 1783-1789.	1.6	36
79	Weak phase $\hat{\Gamma}^3$ from color-allowed $B^+ \rightarrow DK$ rates. Physical Review D, 1998, 58, .	1.6	40
80	Blok, Gronau and Rosner Reply:. Physical Review Letters, 1997, 79, 1167-1167.	2.9	13
81	Annihilation, Rescattering, and CP Asymmetries in B Meson Decays. Physical Review Letters, 1997, 78, 3999-4002.	2.9	70
82	B Decays Involving $\hat{\Gamma}$ and $\hat{\Gamma}^2$ in Light of the $B^+ \rightarrow K^0 \pi^+$ Process. Physical Review Letters, 1997, 79, 4333-4336.	2.9	74
83	New physics in CP asymmetries and rare B decays. Physical Review D, 1997, 55, 2845-2861.	1.6	103
84	Mixing-Induced CP Asymmetries in Radiative B Decays in and beyond the Standard Model. Physical Review Letters, 1997, 79, 185-188.	2.9	164
85	Amplitude relations for B decays involving $\hat{\Gamma}$ and $\hat{\Gamma}^2$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 367, 357-361.	1.5	58
86	V_{td} from hadronic two-body B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 376, 205-211.	1.5	9
87	CP violation in B -decays: the Standard Model and beyond. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 384, 1-7.	0.7	5
88	Determining the weak phase $\hat{\Gamma}^3$ from charged B decays. Physical Review D, 1996, 53, 2516-2522.	1.6	46
89	Determining the Cabibbo-Kobayashi-Maskawa Unitarity Triangle from B Decays to Charged Pions and Kaons. Physical Review Letters, 1996, 76, 1200-1203.	2.9	50
90	Weak phases from B decays to kaons and charged pions. Physical Review D, 1996, 54, 3309-3320.	1.6	34

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91	A variety of CP violating B-decays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 368, 21-27.	0.7	2
92	CP violation. Nuclear Physics, Section B, Proceedings Supplements, 1995, 38, 136-151.	0.5	5
93	Electroweak penguin diagrams and two-body B decays. Physical Review D, 1995, 52, 6374-6382.	1.6	205
94	Decays of B mesons to two pseudoscalars in broken SU(3) symmetry. Physical Review D, 1995, 52, 6356-6373.	1.6	146
95	Large CP asymmetries in $B_{\pm} \rightarrow \pi^{\pm} \pi^0$ from the $\Gamma(B_{\pm} \rightarrow \pi^{\pm} \pi^0)$ width. Physical Review Letters, 1995, 74, 4984-4987.	2.9	31
96	Weak coupling phase from decays of charged B mesons to \bar{K}^0 and \bar{K}^+ . Physical Review Letters, 1994, 73, 21-24.	2.9	185
97	Framework for identification of neutral B mesons. Physical Review Letters, 1994, 72, 195-198.	2.9	9
98	Identification of neutral B mesons using correlated hadrons. Physical Review D, 1994, 49, 254-264.	1.6	25
99	Decays of B mesons to two light pseudoscalars. Physical Review D, 1994, 50, 4529-4543.	1.6	282
100	The Chirality of b Quark Couplings. , 1994, , 644-663.		1
101	Large penguin effects in the CP asymmetry of $B_d^0 \rightarrow \pi^+ \pi^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 300, 163-168.	1.5	68
102	Method for flavor tagging in neutral B meson decays. Physical Review D, 1993, 47, 1988-1993.	1.6	45
103	Testing V_{cb}^* in b decays. Physical Review D, 1993, 47, 1262-1263.	1.6	15
104	Does the b quark decay left-handedly?. Physical Review Letters, 1992, 68, 1814-1817.	2.9	41
105	CP violation in a model of right-handed b decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 288, 90-94.	1.5	5
106	A Model of Right-handed b Decays. , 1992, , 479-489.		0
107	On determining a weak phase from charged B decay asymmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 265, 172-176.	1.5	505
108	Elimination of penguin contributions to CP asymmetries in B decays through isospin analysis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 265, 389-394.	1.5	60

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109	How to determine all the angles of the unitarity triangle from $B_d^0 \rightarrow DK_s$ and $B_s^0 \rightarrow D\bar{K}_s$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 253, 483-488.	1.5	407
110	Isospin analysis of CP asymmetries in B decays. Physical Review Letters, 1990, 65, 3381-3384.	2.9	499
111	CP asymmetries in charmless baryonic decays of charged B mesons. Physical Review D, 1989, 39, 819-824.	1.6	18
112	CP violation in neutral B decays to CP eigenstates. Physical Review Letters, 1989, 63, 1451-1454.	2.9	176
113	On the origin of time-dependent CP asymmetries in neutral B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 233, 479-484.	1.5	43
114	Constraints on the mixing of a fourth family of quarks. Physical Review D, 1985, 31, 1668-1675.	1.6	46
115	Hadronic Hyperon Decays in the Symmetric Quark Model. Physical Review Letters, 1972, 28, 188-191.	2.9	46
116	Nonleptonic Hyperon Decays in a Current-Current Quark Model. Physical Review D, 1972, 5, 118-124.	1.6	41