

Michael Gronau

List of Publications by Year in descending order

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116
papers

5,909
citations

66343
42
h-index

71685
76
g-index

116
all docs

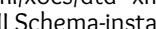
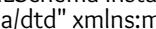
116
docs citations

116
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.1	505
2	Isospin analysis of CP asymmetries in B decays. Physical Review Letters, 1990, 65, 3381-3384.	7.8	499
3	How to determine all the angles of the unitarity triangle from $Bd0 \rightarrow D^+ K^-$ and $Bs0 \rightarrow D^0 \bar{D}^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 253, 483-488.	4.1	407
4	Decays of B mesons to two light pseudoscalars. Physical Review D, 1994, 50, 4529-4543.	4.7	282
5	Electroweak penguin diagrams and two-body B decays. Physical Review D, 1995, 52, 6374-6382.	4.7	205
6	Weak coupling phase from decays of charged B mesons to \bar{K} and \bar{K}^* . Physical Review Letters, 1994, 73, 21-24.	7.8	185
7	CP violation in neutral B decays to CP eigenstates. Physical Review Letters, 1989, 63, 1451-1454.	7.8	176
8	Mixing-Induced CP Asymmetries in Radiative B Decays in and beyond the Standard Model. Physical Review Letters, 1997, 79, 185-188.	7.8	164
9	Charmless $B \rightarrow PP$ decays using flavor SU(3) symmetry. Physical Review D, 2004, 70, .	4.7	162
10	Decays of B mesons to two pseudoscalars in broken SU(3) symmetry. Physical Review D, 1995, 52, 6356-6373.	4.7	146
11	Model-independent electroweak penguin amplitudes in B decays to two pseudoscalars. Physical Review D, 1999, 60, .	4.7	113
12	New physics in CP asymmetries and rare B decays. Physical Review D, 1997, 55, 2845-2861.	4.7	103
13	Charmless $B \rightarrow VP$ decays using flavor SU(3) symmetry. Physical Review D, 2004, 69, .	4.7	98
14	U-spin symmetry in charmless B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 492, 297-302.	4.1	83
15	Improving bounds on $\bar{B}^0 \rightarrow D^{\pm} \bar{K}^{\mp}$ and $B^{\pm} \rightarrow D^{\pm} \bar{K}^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 557, 198-206.	4.1	80
16	B Decays Involving $\bar{b} \rightarrow \bar{u}$ and $\bar{b} \rightarrow \bar{d}$ in Light of the $B \rightarrow K \ell \nu$ Process. Physical Review Letters, 1997, 79, 4333-4336.	7.8	74
17	Annihilation, Rescattering, and CP Asymmetries in B Meson Decays. Physical Review Letters, 1997, 78, 3999-4002.	7.8	70
18	Weak phase β from the ratio of $B \rightarrow K \ell \nu$ rates. Physical Review D, 1998, 57, 6843-6850.	4.7	70

#	ARTICLE	IF	CITATIONS
19	Measuring the Photon Polarization in $B \rightarrow K^+ \bar{K}^- \gamma$. Physical Review Letters, 2002, 88, 051802.	7.8	70
20	The role of $B_s \rightarrow K^+ \bar{K}^- \gamma$ in determining the weak phase β . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 482, 71-76.	4.1	69
21	Large penguin effects in the CP asymmetry of $B_d \rightarrow D^+ \bar{D}^- \gamma$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 300, 163-168.	4.1	68
22	Measuring $D_0 \bar{D}^*$ mixing and relative strong phases at a charm factory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 508, 37-43.	4.1	64
23	Combining CP asymmetries in $B \rightarrow K^+ \bar{K}^- \gamma$ decays. Physical Review D, 1999, 59, . A precise sum rule among four $\langle mml:math altimg="s1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" url="http://www.elsevier.com/xml/xocs/dtd" altimg="s1.gif" href="http://www.w3.org/1998/Math/MathML" altimg="s1.gif" href="http://www.elsevier.com/xmldtd/other/charmlib/charmlib.html"/>$ decays to charged pions and kaons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 337-343.	4.7	62
24	Improving bounds on penguin pollution in $B \rightarrow K^+ \bar{K}^- \gamma$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 514, 315-320.	4.1	62
25	Rates and asymmetries in $B \rightarrow K^+ \bar{K}^- \gamma$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 572, 43-49.	4.1	61
26	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.	4.1	60
27	Amplitude relations for B decays involving \bar{l} and \bar{l}' . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 367, 357-361.	4.1	58
28	Symmetry relations in charmless $B \rightarrow PPP$ decays. Physical Review D, 2005, 72, .	4.7	56
29	I-spin, U-spin, and penguin dominance in $B \rightarrow K K \bar{K}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 564, 90-96.	4.1	54
30	Two-body charmless B decays involving \bar{l} and \bar{l}' . Physical Review D, 2003, 68, .	4.7	52
31	Determining the Cabibbo-Kobayashi-Maskawa Unitarity Triangle from B Decays to Charged Pions and Kaons. Physical Review Letters, 1996, 76, 1200-1203.	7.8	50
32	Photon polarization in radiative B decays. Physical Review D, 2002, 66, .	4.7	48
33	Hadronic Hyperon Decays in the Symmetric Quark Model. Physical Review Letters, 1972, 28, 188-191.	7.8	46
34	Constraints on the mixing of a fourth family of quarks. Physical Review D, 1985, 31, 1668-1675.	4.7	46

#	ARTICLE	IF	CITATIONS
37	Determining the weak phase $\hat{\beta}^3$ from charged B decays. Physical Review D, 1996, 53, 2516-2522.	4.7	46
38	Triple-product asymmetries in K, D(s), and B(s) decays. Physical Review D, 2011, 84, .	4.7	46
39	Method for flavor tagging in neutral B meson decays. Physical Review D, 1993, 47, 1988-1993.	4.7	45
40	Strong and weak phases from time-dependent measurements of $B \rightarrow D^{*}$. Physical Review D, 2002, 65, .	4.7	45
41	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.	4.1	43
42	New information on B decays to charmless VP final states. Physical Review D, 2000, 61, .	4.7	42
43	Nonleptonic Hyperon Decays in a Current-Current Quark Model. Physical Review D, 1972, 5, 118-124.	4.7	41
44	Does the b quark decay left-handedly?. Physical Review Letters, 1992, 68, 1814-1817.	7.8	41
45	Weak phase $\hat{\beta}^3$ from color-allowed $B \rightarrow D$ rates. Physical Review D, 1998, 58, .	4.7	40
46	Implications of CP asymmetry limits for $B \rightarrow K^+$ and $B \rightarrow D^*$. Physical Review D, 2001, 65, .	4.7	40
47	U-spin breaking in CP asymmetries in B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 136-140. Correlated bounds on CP asymmetries in  overflow="scroll" 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:mmml="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.elsevier.com/xml/common/struct-bib/dtd"/>	4.1	39
48	 Correlated bounds on CP asymmetries in  overflow="scroll" 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:mmml="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.elsevier.com/xml/common/struct-bib/dtd"/>	4.1	38
49	$b \rightarrow s p$ enguin amplitude in charmless $B \rightarrow PP$ decays. Physical Review D, 2005, 71, .	4.7	37
50	Improved method for CKM constraints in charmless three-body B and Bs decays. Physical Review D, 2007, 75, .	4.7	37
51	Rescattering information from $B \rightarrow KK\bar{K}$ decays. Physical Review D, 1998, 58, .	4.7	36
52	B decays to charmless VP final states. Physical Review D, 1998, 57, 1783-1789.	4.7	36
53	Weak phases from B decays to kaons and charged pions. Physical Review D, 1996, 54, 3309-3320.	4.7	34
54	Convention-independent study of CP-violating asymmetries in $B \rightarrow D^*$. Physical Review D, 2002, 66, .	4.7	32

#	ARTICLE	IF	CITATIONS
55	Large CP Asymmetries in $B \rightarrow D^* \bar{D}$ from the D^* Width. Physical Review Letters, 1995, 74, 4984-4987.	7.8	31
56	Interpreting the time-dependent CP asymmetry in $B \rightarrow K^* \bar{K}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 331-339.	4.1	30
57	Charmless $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block">\frac{B}{P} \text{ stretchy="false"} \rangle$ decays: The fully-symmetric final state. Physical Review D, 2014, 89, 147.	4.7	27
58	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.	4.1	26
59	Implications of CP asymmetries in $B \rightarrow K^+ K^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 339-346.	4.1	26
60	Updated bounds on CP asymmetries in $B \rightarrow K^+ K^-$ and $B \rightarrow K^* K^*$. Physical Review D, 2006, 74, .	4.7	26
61	Identification of neutral B mesons using correlated hadrons. Physical Review D, 1994, 49, 254-264.	4.7	25
62	Electroweak penguin amplitudes and constraints on β in charmless $B \rightarrow VV$ decays. Physical Review D, 2000, 62, .	4.7	24
63	Rate and CP-asymmetry sum rules in $B \rightarrow K^+$. Physical Review D, 2006, 74, .	4.7	24
64	Implications for CP asymmetries of improved data on $B \rightarrow K^* \bar{K}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 467-471.	4.1	24
65	B^- decays dominated by mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 185-188.	4.1	22
66	Rescattering contributions to rare $B^- \rightarrow K^- \pi^+ \pi^-$ -meson decays. Physical Review D, 2013, 87, .	4.7	22
67	Final state interaction effects on β from $B \rightarrow D\bar{D}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 439, 171-175.	4.1	20
68	Sum rule for rate and CP asymmetry in $\langle \text{mml:math} \text{ altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/ce/dtd" } \rangle$ $\langle \text{mml:math} \text{ altimg="si2.gif" overflow="scroll" } \rangle$	4.1	20
69	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.	4.1	19
70	CP asymmetries in charmless baryonic decays of charged B mesons. Physical Review D, 1989, 39, 819-824.	4.7	18
71	Resonant Two-Body Decays. Physical Review Letters, 1999, 83, 4005-4008.	7.8	18
72	Triple product asymmetries in $\langle \text{mml:math} \text{ altimg="si1.gif" overflow="scroll" } \rangle$ and $\langle \text{mml:math} \text{ altimg="si2.gif" overflow="scroll" } \rangle$	4.1	16

#	ARTICLE	IF	CITATIONS
91	B0â†’D*â†’al+: Chirality Tests and Resolving an Ambiguity in the CP Violation Parameter $2\hat{l}^2 + \hat{l}^3$. Physical Review Letters, 2003, 90, 051801.	7.8	8
92	CP VIOLATION IN BEAUTY DECAYS. International Journal of Modern Physics A, 2007, 22, 1953-1981.	1.5	8
93	Weak phases \hat{l}^3 and $\hat{l}\pm$ from B_+ , or B_0 and B_s decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 321-327.	4.1	7
94	Calculating phases between \hat{l}^3 and $\hat{l}\pm$ from B_+ , or B_0 and B_s decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 321-327. Physical Review D, 2010, 81, .	4.1	7
95	Shift in weak phase \hat{l}^3 due to CP asymmetries in D decays to two pseudoscalar mesons. Physical Review D, 2013, 87, .	4.7	7
96	Isospin of new physics in $ l''S =1$ charmless B decays. Physical Review D, 2007, 75, .	4.7	6
97	Improving the measurement of the CKM phase $\hat{l}\cdot 2 = \hat{l}\pm$ in $B\rightarrow l\ell\bar{\nu}$ and $B\rightarrow l\bar{l}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 228-233.	4.1	6
98	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.	4.1	5
99	CP violation. Nuclear Physics, Section B, Proceedings Supplements, 1995, 38, 136-151.	0.4	5
100	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.	1.6	5
101	CKM phases from CP asymmetries. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 462, 1-10.	1.6	5
102	Theory of CP violation. Nuclear Physics, Section B, Proceedings Supplements, 1998, 65, 245-257.	0.4	4
103	Tests for coherence in neutral B meson decays. Physical Review D, 2001, 63, .	4.7	4
104	Controlling $\hat{l}\cdot width$ effects for a precise value of $\hat{l}\pm$ in $B\rightarrow l\bar{l}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 345-350.	4.1	4
105	Weak Phases and CP Violation. Nuclear Physics, Section B, Proceedings Supplements, 2006, 156, 69-76. Addendum to "Constraint on $\hat{l}\pm$ "	0.4	3
106	New physics in singly Cabibbo-suppressed D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 136-139.	4.1	3
107	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.	1.6	2

#	ARTICLE		IF	CITATIONS
109	Test for exotic isoscalar resonance dominating $D\bar{0} \rightarrow \pi^+ \pi^- \pi^0$ decays. Physical Review D, 2015, 92, .		4.7	2
110	The Chirality of b Quark Couplings. , 1994, , 644-663.			1
111	P and CP violation in B physics. Pramana - Journal of Physics, 2004, 62, 255-267.		1.8	1
112	Precision Tests of Flavor and CP Violation in B Decays. Nuclear Physics, Section B, Proceedings Supplements, 2007, 163, 16-22.		0.4	1
113	RECENT THEORETICAL DEVELOPMENTS IN CP VIOLATION. , 2001, , .			1
114	CP Violation in B Meson Decays. Nuclear Physics, Section B, Proceedings Supplements, 2005, 142, 263-270.		0.4	0
115	DETERMINING THE CP VIOLATING PHASE β . , 2000, , .			0
116	A Model of Right-handed b Decays. , 1992, , 479-489.			0