

Matthias Jamin

List of Publications by Year in descending order

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59
papers

3,815
citations

147801

31
h-index

182427

51
g-index

60
all docs

60
docs citations

60
times ranked

1210
citing authors

#	ARTICLE	IF	CITATIONS
1	Leading and next-to-leading QCD corrections to $\hat{\epsilon}$ -parameter and mixing in the presence of a heavy top quark. Nuclear Physics B, 1990, 347, 491-536.	2.5	495
2	Effective hamiltonians for $\hat{\Gamma}^S = 1$ and $\hat{\Gamma}^B = 1$ non-leptonic decays beyond the leading logarithmic approximation. Nuclear Physics B, 1992, 370, 69-104.	2.5	300
3	The anatomy of $\hat{\mu}^2/\hat{\mu}$ beyond leading logarithms with improved hadronic matrix elements. Nuclear Physics B, 1993, 408, 209-285.	2.5	269
4	Two-loop anomalous dimension matrix for $\hat{\Gamma}^S = 1$ weak non-leptonic decays (I). $O(\hat{1}\pm 2s)$. Nuclear Physics B, 1993, 400, 37-74.	2.5	219
5	Two-loop anomalous dimension matrix for $\hat{\Gamma}^S = 1$ weak non-leptonic decays. (II) $O(\hat{1}\pm 1s)$. Nuclear Physics B, 1993, 400, 75-102.	2.5	213
6	TRACER version 1.1. Computer Physics Communications, 1993, 74, 265-288.	7.5	196
7	S-wave scattering in chiral perturbation theory with resonances. Nuclear Physics B, 2000, 587, 331-362.	2.5	163
8	Flavour-symmetry breaking of the quark condensate and chiral corrections to the Gell-Mann–Oakes–Renner relation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 538, 71-76.	4.1	157
9	Strangeness-changing scalar form factors. Nuclear Physics B, 2002, 622, 279-308.	2.5	137
10	$\hat{1}\pm$ and the $\hat{1}$, hadronic width: fixed-order, contour-improved and higher-order perturbation theory. Journal of High Energy Physics, 2008, 2008, 044-044.	4.7	136
11	Vus and $\hat{1}$ from Hadronic $\hat{1}$, Decays. Physical Review Letters, 2005, 94, 011803.	7.8	124
12	$\hat{1}$ and $\hat{1}$ from QCD sum rules. Physical Review D, 2002, 65, .	4.7	123
13	Determination of $\hat{1}$ and $ \text{Vus} $ from hadronic $\hat{1}$, decays. Journal of High Energy Physics, 2003, 2003, 060-060.	4.7	86
14	Scalar $\hat{1}$ form factor and light-quark masses. Physical Review D, 2006, 74, .	4.7	86
15	Order $\hat{1}$ chiral couplings from the scalar $\hat{1}$ form factor. Journal of High Energy Physics, 2004, 2004, 047-047.	4.7	84
16	Updated determination of $\hat{1}$ from $\hat{1}$, decays. Physical Review D, 2012, 85, .	4.7	80
17	Improved anatomy of $\hat{\mu}^2/\hat{\mu}$ in the Standard Model. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
18	Spectral distribution for the decay $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier..$ Phys	4.1	67

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19	New determination of $\langle \bar{\psi}\psi \rangle$ from hadronic τ decays. Physical Review D, 2011, 84, .	4.7	61
20	$K \rightarrow \pi \pi$ vector form factor, dispersive constraints and $K \rightarrow \pi \pi$ decays. European Physical Journal C, 2009, 59, 821.	3.9	55
21	What can be learned from the Belle spectrum for the decay $\tau \rightarrow \pi \pi \nu_\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 664, 78-83.	4.1	54
22	Bottom quark mass and \hat{m}_s from the Υ system. Nuclear Physics B, 1997, 507, 334-352.	2.5	52
23	Perturbative expansion of \hat{m}_s , hadronic spectral function moments and \hat{m}_s s extractions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
24	Current correlators to all orders in the quark masses. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 569-578.	1.5	48
25	Charm quark mass from QCD sum rules for the charmonium system. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 498, 203-210.	4.1	46
26	\hat{m}_s at the NLO: 10 Years Later. Journal of High Energy Physics, 2004, 2004, 048-048.	4.7	46
27	Scheme Variations of the QCD Coupling and Hadronic τ Decays. Physical Review Letters, 2016, 117, 152001.	7.8	43
28	Diquark decay constants from QCD sum rules. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 238, 387-394.	4.1	41
29	QCD field strength correlator at the next-to-leading order. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 415-420.	4.1	40
30	Contour-improved versus fixed-order perturbation theory in hadronic τ decays. Journal of High Energy Physics, 2005, 2005, 058-058.	4.7	37
31	QCD corrections to inclusive $\tau \rightarrow S = 1, 2$ transitions at the next-to-leading order. Nuclear Physics B, 1994, 425, 15-38.	2.5	34
32	and from hadronic tau decays. Nuclear Physics, Section B, Proceedings Supplements, 2007, 169, 85-89.	0.4	28
33	The strange quark mass from scalar sum rules updated. Nuclear Physics, Section B, Proceedings Supplements, 1998, 64, 250-252.	0.4	26
34	Low-energy constants and condensates from the τ hadronic spectral functions. Physical Review D, 2013, 87, .	4.7	22
35	Absence of even-integer \hat{m}_s -function values in Euclidean physical quantities in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 452-455.	4.1	17
36	What two models may teach us about duality violations in QCD. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13

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37	Extraction of and from Hadronic Tau Decays. Nuclear Physics, Section B, Proceedings Supplements, 2005, 144, 59-64.	0.4	12
38	Reconciling the contour-improved and fixed-order approaches for \bar{s} , hadronic spectral moments. Part I. Renormalon-free gluon condensate scheme. Journal of High Energy Physics, 2022, 2022, .	4.7	12
39	The gauge invariant quark correlator in QCD sum rules and lattice QCD. Journal of High Energy Physics, 2000, 2000, 023-023.	4.7	11
40	OPE- $\overline{\text{MS}}$ matching at order $\hat{\Lambda}^2$: hard gluonic corrections to three-point Green functions. Journal of High Energy Physics, 2008, 2008, 040-040.	4.7	11
41	A 1996 analysis of the CP violating ratio $\hat{\mu}^2/\hat{\mu}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 749-756.	4.1	10
42	Scalar correlator, Higgs decay into quarks, and scheme variations of the QCD coupling. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
43	Scheme variations of the QCD coupling. EPJ Web of Conferences, 2017, 137, 05007.	0.3	6
44	Higher-order behaviour of two-point current correlators. European Physical Journal: Special Topics, 2021, 230, 2609-2624.	2.6	6
45	Scheme variations of the QCD coupling and tau decays. Nuclear and Particle Physics Proceedings, 2017, 287-288, 77-80.	0.5	5
46	Anomalous dimensions of four-quark operators and renormalon structure of mesonic two-point correlators. Journal of High Energy Physics, 2015, 2015, 1-17.	4.7	3
47	Recent progress in hadronic \bar{s} , decays. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 98-103.	0.4	2
48	Improving the K^0 vector form factor through K_{l3} constraints. , 2011, , .		2
49	The scalar gluonium correlator: large- $\hat{\Lambda}^2$ 0 and beyond. Journal of High Energy Physics, 2012, 2012, 1.	4.7	2
50	STRONG COUPLING FROM TAU LEPTON DECAYS. Modern Physics Letters A, 2013, 28, 1360006.	1.2	2
51	Constraining the K^0 vector form factor by $\langle \text{si1.gif} \rangle$ <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"</small>	0.4	1
52	Updated determination of $\langle \text{si1.gif} \rangle$ <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.elsevier.com/x</small>	0.4	1
53	V _{US} FROM STRANGE HADRONIC TAU DATA. , 2007, , .		1
54	Leading and next-to-leading QCD corrections to $\bar{\mu}$ -parameter and mixing in the presence of a heavy top quark. Nuclear Physics, Section B, Proceedings Supplements, 1991, 23, 427-430.	0.4	0

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55	Effective Hamiltonian for $\hat{S}=1$ non-leptonic decays beyond leading logarithms. AIP Conference Proceedings, 1992, , .	0.4	0
56	QCD corrections to inclusive $\hat{S} = 1,2$ transitions. Nuclear Physics, Section B, Proceedings Supplements, 1995, 39, 260-262.	0.4	0
57	and the \hat{I}_h , hadronic width. Nuclear Physics, Section B, Proceedings Supplements, 2009, 189, 60-65.	0.4	0
58	The strong coupling from tau decays without prejudice. Nuclear Physics, Section B, Proceedings Supplements, 2014, 253-255, 56-59.	0.4	0
59	LOW-ENERGY CONSTANTS AND CONDENSATES FROM THE $V \hat{A}$ A SPECTRUM. International Journal of Modern Physics Conference Series, 2014, 35, 1460443.	0.7	0