Matthias Jamin

List of Publications by Year
in descending order

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	Reconciling the contour-improved and fixed-order approaches for τ hadronic spectral moments. Part I. Renormalon-free gluon condensate scheme. Journal of High Energy Physics, 2022, 2022, .	4.7	12
2	Higher-order behaviour of two-point current correlators. European Physical Journal: Special Topics, 2021, 230, 2609-2624.	2.6	6
3	Absence of even-integer ζ-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
4	Scheme variations of the QCD coupling. EPJ Web of Conferences, 2017, 137, 05007.	0.3	6
5	Scheme variations of the QCD coupling and tau decays. Nuclear and Particle Physics Proceedings, 2017, 287-288, 77-80.	0.5	5
6	Scheme Variations of the QCD Coupling and Hadronic τ Decays. Physical Review Letters, 2016, 117, 152001.	7.8	43
7	Scalar correlator, Higgs decay into quarks, and scheme variations of the QCD coupling. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
8	Improved anatomy of $\mu \to e \gamma$ in the Standard Model. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
9	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
10	The strong coupling from tau decays without prejudice. Nuclear Physics, Section B, Proceedings Supplements, 2014, 253-255, 56-59.	0.4	0
11	LOW-ENERGY CONSTANTS AND CONDENSATES FROM THE V – A SPECTRUM. International Journal of Modern Physics Conference Series, 2014, 35, 1460443.	0.7	0
12	Low-energy constants and condensates from the τ hadronic spectral functions. Physical Review D, 2013, 87, .	4.7	22
13	Perturbative expansion of τ hadronic spectral function moments and α_s extractions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
14	Updated determination of <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.com/x	0.4	1
15	STRONG COUPLING FROM TAU LEPTON DECAYS. Modern Physics Letters A, 2013, 28, 1360006.	1.2	2
16	Updated determination of α_s from τ decays. Physical Review D, 2012, 85, .	4.7	80
17	The scalar gluonium correlator: large-β 0 and beyond. Journal of High Energy Physics, 2012, 2012, 1.	4.7	2
18	New determination of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>α</mml:mi><mml:mi>s</mml:mi></mml:msub></mml:math> from hadronic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>τ</mml:mi></mml:math> decays. Physical Review D, 2011, 84, .	4.7	61

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19	Recent progress in hadronic Ï„ decays. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 98-103.	0.4	2
20	What two models may teach us about duality violations in QCD. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13
21	Improving the KÏ€ vector form factor through K[sub l3] constraints. , 2011, , .		2
22	Constraining the KÏ€ vector form factor by <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.els. Nuclear Ph	0.4	1
23	and the Ï„ hadronic width. Nuclear Physics, Section B, Proceedings Supplements, 2009, 189, 60-65.	0.4	0
24	K Ï€ vector form factor, dispersive constraints andÂÏ„â†’Î½ Ï„ K Ï€Âdecays. European Physical Journal C, 2009, 59, 821.	3.9	55
25	What can be learned from the Belle spectrum for the decay <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>Ï„</mml:mi><mml:mo>â¯</mml:mo></mml:msup><mml:mo>â†’</mml:mo><mml:msub><mm Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 664, 78-83.	4.1	54
26	OPE-RÏ‡T matching at order Î±_{<i>s</i>}: hard gluonic corrections to three-point Green functions. Journal of High Energy Physics, 2008, 2008, 040-040.	4.7	11
27	Î±_{<i>s</i>}and the Ï„ hadronic width: fixed-order, contour- improved and higher-order perturbation theory. Journal of High Energy Physics, 2008, 2008, 044-044.	4.7	136
28	and from hadronic tau decays. Nuclear Physics, Section B, Proceedings Supplements, 2007, 169, 85-89.	0.4	28
29	|V_{US}| FROM STRANGE HADRONIC TAU DATA. , 2007, , .		1
30	ScalarKÏ€form factor and light-quark masses. Physical Review D, 2006, 74, .	4.7	86
31	Spectral distribution for the decay <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. html	4.1	67
32	Extraction of and from Hadronic Tau Decays. Nuclear Physics, Section B, Proceedings Supplements, 2005, 144, 59-64.	0.4	12
33	Contour-improved versus fixed-order perturbation theory in hadronic Ï„ decays. Journal of High Energy Physics, 2005, 2005, 058-058.	4.7	37
34	Vusandmsfrom HadronicÏ„Decays. Physical Review Letters, 2005, 94, 011803.	7.8	124
35	ÂÂ/Â at the NLO: 10 Years Later. Journal of High Energy Physics, 2004, 2004, 048-048.	4.7	46
36	Orderp6chiral couplings from the scalarKÂ form factor. Journal of High Energy Physics, 2004, 2004, 047-047.	4.7	84

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37	Determination ofmsand |Vus| from hadronic Ï„ decays. Journal of High Energy Physics, 2003, 2003, 060-060.	4.7	86
38	fBandfBsfrom QCD sum rules. Physical Review D, 2002, 65, .	4.7	123
39	Strangeness-changing scalar form factors. Nuclear Physics B, 2002, 622, 279-308.	2.5	137
40	Flavour-symmetry breaking of the quark condensate and chiral corrections to the Gell-Mannâ€"Oakesâ€"Renner relation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 538, 71-76.	4.1	157
41	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
42	The gauge invariant quark correlator in QCD sum rules and lattice QCD. Journal of High Energy Physics, 2000, 2000, 023-023.	4.7	11
43	S-wave scattering in chiral perturbation theory with resonances. Nuclear Physics B, 2000, 587, 331-362.	2.5	163
44	The strange quark mass from scalar sum rules updated. Nuclear Physics, Section B, Proceedings Supplements, 1998, 64, 250-252.	0.4	26
45	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
46	Bottom quark mass and Î±s from the Ï’ system. Nuclear Physics B, 1997, 507, 334-352.	2.5	52
47	A 1996 analysis of the CP violating ratio Îµâ€²∕Îµ. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 749-756.	4.1	10
48	QCD corrections to inclusive Î”S = 1,2 transitions. Nuclear Physics, Section B, Proceedings Supplements, 1995, 39, 260-262.	0.4	0
49	QCD corrections to inclusive Î”S = 1, 2 transitions at the next-to-leading order. Nuclear Physics B, 1994, 425, 15-38.	2.5	34
50	TRACER version 1.1. Computer Physics Communications, 1993, 74, 265-288.	7.5	196
51	Current correlators to all orders in the quark masses. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1993, 60, 569-578.	1.5	48
52	Two-loop anomalous dimension matrix for Î”S = 1 weak non-leptonic decays (I). O(Î±2s). Nuclear Physics B, 1993, 400, 37-74.	2.5	219
53	Two-loop anomalous dimension matrix for Î”S = 1 weak non-leptonic decays. (II) O(Î±Î±s). Nuclear Physics B, 1993, 400, 75-102.	2.5	213
54	The anatomy of Îµâ€²∕Îµ beyond leading logarithms with improved hadronic matrix elements. Nuclear Physics B, 1993, 408, 209-285.	2.5	269

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55	Effective hamiltonians for Î"S = 1 and Î"B = 1 non-leptonic decays beyond the leading logarithmic approximation. Nuclear Physics B, 1992, 370, 69-104.	2.5	300
56	Effective Hamiltonian for Î"S=1 non-leptonic decays beyond leading logarithms. AIP Conference Proceedings, 1992, , .	0.4	0
57	Leading and next-to-leading QCD corrections to Ïµ-parameter and mixing in the presence of a heavy top quark. Nuclear Physics, Section B, Proceedings Supplements, 1991, 23, 427-430.	0.4	0
58	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
59	Leading and next-to-leading QCD corrections to É›-parameter and mixing in the presence of a heavy top quark. Nuclear Physics B, 1990, 347, 491-536.	2.5	495