Johan Bijnens

List of Publications by Year
in descending order

133 papers	6,192 citations	76326 40 h-index	69250 77 g-index
135 all docs	135 docs citations	135 times ranked	4680 citing authors

#	Article	IF	Citations
1	Short-distance constraints for HLbL in muon g-2. EPJ Web of Conferences, 2022, 258, 06005.	0.3	0
2	NNLO positivity bounds on chiral perturbation theory for a general number of flavours. Journal of High Energy Physics, 2022, 2022, 1.	4.7	7
3	The two-loop perturbative correction to the (g − 2)μ HLbL at short distances. Journal of High Energy Physics, 2021, 2021, .	4.7	32
4	Short-distance HLbL contributions to the muon g-2. Nuclear and Particle Physics Proceedings, 2021, 312-317, 180-184.	0.5	1
5	Six-pion amplitude. Physical Review D, 2021, 104, .	4.7	11
6	Short-distance HLbL contributions to the muon anomalous magnetic moment beyond perturbation theory. Journal of High Energy Physics, 2020, 2020, 1.	4.7	30
7	The anomalous magnetic moment of the muon in the Standard Model. Physics Reports, 2020, 887, 1-166.	25.6	790
8	Short-distance constraints for the HLbL contribution to the muon anomalous magnetic moment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134994.	4.1	246
9	The order p8 mesonic chiral Lagrangian. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
10	Scalar kinetic mixing and the renormalization group. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 238-243.	4.1	4
11	Higher-order tree-level amplitudes in the nonlinear sigma model. Journal of High Energy Physics, 2019, 2019, 1.	4.7	10
12	ChPT loops for the lattice: pion mass and decay constant, HVP at finite volume and nnÌ…-oscillations. EPJ Web of Conferences, 2018, 175, 06011.	0.3	0
13	On the Hadronic light-by-light contribution to the muon g − 2. EPJ Web of Conferences, 2018, 179, 01001.	0.3	3
14	Analytic representation of F_K/F_π in two loop chiral perturbation theory. Physical Review D, 2018, 97, .	4.7	11
15	m_K, F_K, m_π ... , Physical Review D, 2018,	4.7	9
16	An analytic analysis of the pion decay constant in three-flavoured chiral perturbation theory. European Physical Journal C, 2017, 77, 497.	3.9	12
17	Twisted finite-volume corrections to K l3 decays with partially-quenched and rooted-staggered quarks. Journal of High Energy Physics, 2017, 2017, 1.	4.7	5
18	The pion mass and decay constant at three loops in two-flavour chiral perturbation theory. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8

#	Article	IF	Citations
19	Chiral perturbation theory for neutron–antineutron oscillations. European Physical Journal C, 2017, 77, 867.	3.9	10
20	Vector two-point functions in finite volume using partially quenched chiral perturbation theory at two loops. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
21	Pion light-by-light contributions to the muon g − 2. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
22	Connected, disconnected and strange quark contributions to HVP. Journal of High Energy Physics, 2016, 2016, 1.	4.7	11
23	Hadronic light-by-light contribution to a_μ: extended Nambu-Jona-Lasinio, chiral quark models and chiral Lagrangians. EPJ Web of Conferences, 2016, 118, 01002.	0.3	14
24	Leading chiral logarithms for the nucleon mass. AIP Conference Proceedings, 2016, , .	0.4	0
25	Status of chiral meson physics. AIP Conference Proceedings, 2016, , .	0.4	0
26	An analytic approach to sunset diagrams in chiral perturbation theory: Theory and practice. European Physical Journal A, 2016, 52, 1.	2.5	8
27	Finite volume and partially quenched QCD-like effective field theories. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1
28	Finite volume for three-flavour Partially Quenched Chiral Perturbation Theory through NNLO in the meson sector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	3
29	Leading logarithms for the nucleon mass. Nuclear Physics B, 2015, 891, 700-719.	2.5	5
30	CHIRON: a package for ChPT numerical results at two loops. European Physical Journal C, 2015, 75, 1.	3.9	12
31	Finite volume at two-loops in chiral perturbation theory. Journal of High Energy Physics, 2015, 2015, 1.	4.7	13
32	Two-loop sunset integrals at finite volume. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
33	Masses, decay constants and electromagnetic form-factors with twisted boundary conditions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	11
34	Mesonic Low-Energy Constants. Annual Review of Nuclear and Particle Science, 2014, 64, 149-174.	10.2	143
35	Leading logarithms in N-flavour mesonic Chiral Perturbation Theory. Nuclear Physics B, 2013, 873, 137-164.	2.5	17
36	Constraining general two Higgs doublet models by the evolution of Yukawa couplings. Journal of High Energy Physics, 2012, 2012, 1.	4.7	33

#	Article	IF	Citations
37	A new global fit of the L_i^r at next-to-next-to-leading order in Chiral Perturbation Theory. Nuclear Physics B, 2012, 854, 631-665.	2.5	53
38	Leading logarithms in the anomalous sector of two-flavour QCD. Nuclear Physics B, 2012, 860, 245-266.	2.5	22
39	The hadronic light-by-light contribution to the muon anomalous magnetic moment and renormalization group for EFT. EPJ Web of Conferences, 2012, 37, 01007.	0.3	16
40	Two-point functions and S-parameter in QCD-like theories. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7
41	The massive non-linear sigma model at high orders. Nuclear Physics B, 2011, 843, 55-83.	2.5	26
42	Vector formfactors in hard pion Chiral Perturbation Theory. Nuclear Physics B, 2011, 846, 145-166.	2.5	20
43	Meson-meson scattering in QCD-like theories. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
44	Neutral pseudoscalar meson decays: $\pi^0 \to \gamma\gamma$ and $\eta \to \gamma\gamma$ in SU(3) limit. Nuclear Physics, Section B, Proceedings Supplements, 2010, 207-208, 220-223.	0.4	13
45	Leading logarithms in the massive nonlinear sigma model. Nuclear Physics B, 2010, 827, 237-255.	2.5	28
46	Hard pion chiral perturbation theory for and formfactors. Nuclear Physics B, 2010, 840, 54-66.	2.5	26
47	$K \to \pi\pi$ decays in $SU(2)$ Chiral Perturbation Theory. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy p.	4.1	12
48	Relations at order p 6 in chiral perturbation theory. European Physical Journal C, 2009, 64, 273.	3.9	8
49	Technicolor and other QCD-like theories at next-to-next-to-leading order. Journal of High Energy Physics, 2009, 2009, 116-116.	4.7	52
50	THE HADRONIC LIGHT-BY-LIGHT CONTRIBUTION TO THE MUON ANOMALOUS MAGNETIC MOMENT: WHERE DO WE STAND?. Modern Physics Letters A, 2007, 22, 767-782.	1.2	85
51	$\eta \to 3\pi$ at two loops in Chiral Perturbation Theory. Journal of High Energy Physics, 2007, 2007, 030-030.	4.7	86
52	Chiral perturbation theory beyond one loop. Progress in Particle and Nuclear Physics, 2007, 58, 521-586.	14.4	100
53	Electromagnetic corrections in partially quenched chiral perturbation theory. Physical Review D, 2007, 75, .	4.7	19
54	η mass and NNLO three-flavor partially quenched chiral perturbation theory. Physical Review D, 2006, 74, .	4.7	3

#	Article	IF	Citations
55	Three-flavor partially quenched chiral perturbation theory at NNLO for meson masses and decay constants. Physical Review D, 2006, 73, .	4.7	22
56	Finite volume dependence of the quark–antiquark vacuum expectation value. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 51-55.	4.1	17
57	The B_K kaon parameter in the chiral limit. Journal of High Energy Physics, 2006, 2006, 048-048.	4.7	11
58	Partially Quenched Chiral Perturbation Theory to NNLO. AIP Conference Proceedings, 2006, , .	0.4	0
59	Isospin breaking in $K \to 3\pi$ decays II: radiative corrections. European Physical Journal C, 2005, 39, 347-357.	3.9	18
60	Masses and decay constants of pseudoscalar mesons to two loops in two-flavor partially quenched chiral perturbation theory. Physical Review D, 2005, 72, .	4.7	15
61	Decay constants of pseudoscalar mesons to two loops in three-flavor partially quenched chiral perturbation theory. Physical Review D, 2005, 71, .	4.7	21
62	THE BK KAON PARAMETER IN THE 1/NC EXPANSION. , 2005, , .		0
63	Two Loop Partially Quenched and Finite Volume Chiral Perturbation Theory Results. , 2005, , .		0
64	πK Scattering in Three Flavour ChPT. Journal of High Energy Physics, 2004, 2004, 036-036.	4.7	57
65	$\pi\pi$ Scattering in Three Flavour ChPT. Journal of High Energy Physics, 2004, 2004, 050-050.	4.7	35
66	Pseudoscalar meson mass to two loops in three-flavor partially quenched chiral perturbation theory. Physical Review D, 2004, 70, .	4.7	18
67	Chiral Dynamics in the Meson Sector at two Loops. AIP Conference Proceedings, 2004, , .	0.4	3
68	Hadronic matrix elements for Kaons. Nuclear Physics, Section B, Proceedings Supplements, 2004, 133, 245-251.	0.4	5
69	Isospin breaking in decays I: strong isospin breaking. Nuclear Physics B, 2004, 697, 319-342.	2.5	16
70	Matching the electroweak penguins Q7 and Q8. Nuclear Physics, Section B, Proceedings Supplements, 2003, 121, 195-198.	0.4	4
71	$K \to 3\pi$ decays in chiral perturbation theory. Nuclear Physics B, 2003, 648, 317-344.	2.5	47
72	K_{l3} decays in chiral perturbation theory. Nuclear Physics B, 2003, 669, 341-362.	2.5	129

#	ARTICLE	IF	CITATIONS
73	QCD Short-distance constraints and hadronic approximations. Journal of High Energy Physics, 2003, 2003, 055-055.	4.7	73
74	Scalar form factors in SU(3) chiral perturbation theory. Journal of High Energy Physics, 2003, 2003, 061-061.	4.7	34
75	Pion and kaon electromagnetic form factors. Journal of High Energy Physics, 2002, 2002, 046-046.	4.7	128
76	CHIRAL LAGRANGIANS. International Journal of Modern Physics A, 2002, 17, 3154-3169.	1.5	2
77	Comment on the pion pole part of the light-by-light contribution to the muon gâˆ2. Nuclear Physics B, 2002, 626, 410-411.	2.5	155
78	QCD AND WEAK INTERACTIONS OF LIGHT QUARKS. , 2002, , 2156-2213.		2
79	CHIRAL LAGRANGIANS. , 2002, , .		0
80	PENGUINS 2002: PENGUINS IN K â†’ Ï€Ï€ DECAYS. , 2002, , .		0
81	QCD isospin breaking in meson masses, decay constants and quark mass ratios. Nuclear Physics B, 2001, 602, 87-108.	2.5	170
82	QCD signatures of narrow graviton resonances in hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 341-348.	4.1	28
83	Chiral limit prediction for Îµâ€²/K/ÎµK at NLO in 1/Nc. Nuclear Physics, Section B, Proceedings Supplements, 2001, 96, 354-363.	0.4	10
84	Matching the electroweak penguins Q7,Q8 and spectral correlators. Journal of High Energy Physics, 2001, 2001, 009-009.	4.7	67
85	REPORT OF THE WORKING GROUP ON GOLDSTONE BOSONS. , 2001, , .		0
86	Kâ„"4 AT TWO-LOOPS AND CHPT PREDICTIONS FOR Ï€Ï€-SCATTERING. , 2001, , .		0
87	Îµâ€²$_K$/Îµ$_K$ IN THE CHIRAL LIMIT USING LARGE N$_C$. , 2001, , .		1
88	Renormalization of Chiral Perturbation Theory to Order p6. Annals of Physics, 2000, 280, 100-139.	2.8	157
89	Progress in K â†’ Ï€Ï€ decays. Nuclear Physics A, 2000, 663-664, 927c-930c.	1.5	1
90	Scheme dependence of weak matrix elements in the 1/Nc expansion. Journal of High Energy Physics, 2000, 2000, 002-002.	4.7	26

#	Article	IF	Citations
91	εK′/εK in the chiral limit. Journal of High Energy Physics, 2000, 2000, 035-035.	4.7	57
92	Two-point functions at two loops in three flavour chiral perturbation theory. Nuclear Physics B, 2000, 568, 319-363.	2.5	129
93	The mesonic chiral lagrangean of order p6. Journal of High Energy Physics, 1999, 1999, 020-020.	4.7	237
94	A parametrization for K+topi+pi-e+nu. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 1607-1622.	3.6	20
95	The ΔI = 1/2 rule in the chiral limit. Journal of High Energy Physics, 1999, 1999, 023-023.	4.7	46
96	Obtaining K → ππ from off-shell K → π amplitudes. Nuclear Physics B, 1998, 521, 305-333.	2.5	51
97	The vector and scalar form factors of the pion to two loops. Journal of High Energy Physics, 1998, 1998, 014-014.	4.7	56
98	Electromagnetic corrections for pions and kaons: masses and polarizabilities. Nuclear Physics B, 1997, 490, 239-271.	2.5	104
99	Analysis of the hadronic light-by-light contributions to the muon g − 2. Nuclear Physics B, 1996, 474, 379-417.	2.5	179
100	Chiral Lagrangians and Nambu-Jona-Lasinio like models. Physics Reports, 1996, 265, 370-446.	25.6	133
101	The γγ → π0π0 and γ· → π0γγ transitions in the extended NJL model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 209-218.	4.1	25
102	Weak long distance contributions to the neutron and proton electric dipole moments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 207-214.	4.1	4
103	ON THE TENSOR FORMULATION OF EFFECTIVE VECTOR LAGRANGIANS AND DUALITY TRANSFORMATIONS. Modern Physics Letters A, 1996, 11, 1069-1080.	1.2	28
104	BK and explicit chiral symmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 331-338.	4.1	19
105	Light quark masses in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 226-238.	4.1	110
106	Hadronic Light-by-Light Contribution to the Muong−2. Physical Review Letters, 1995, 75, 1447-1450.	7.8	128
107	Hadronic Light-by-Light Contributions to the Muong−2. Physical Review Letters, 1995, 75, 3781-3781.	7.8	54
108	The BK parameter in the 1/Nc expansion. Nuclear Physics B, 1995, 444, 523-562.	2.5	48

#	ARTICLE	IF	CITATIONS
109	Anomalies, VMD and the Extended NJL model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 320, 130-134.	4.1	21
110	Low-energy behaviour of two-point functions of quark currents. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1994, 62, 437-454.	1.5	36
111	Two- and three-point functions in the extended NJL model. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1994, 64, 475-494.	1.5	24
112	Violations of Dashen's theorem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 306, 343-349.	4.1	81
113	Nambu-Jona-Lasinio-like models and the low-energy effective action of QCD. Nuclear Physics B, 1993, 390, 501-541.	2.5	175
114	CHIRAL PERTURBATION THEORY AND ANOMALOUS PROCESSES. International Journal of Modern Physics A, 1993, 08, 3045-3105.	1.5	79
115	Transition form factors inÏ€0,Î·, andÎ·â€²couplings toÎ³Î³*. Physical Review D, 1992, 45, 986-989.	4.7	40
116	Corrections to the Weiss-Zumino term in chiral perturbation theory. Nuclear Physics, Section B, Proceedings Supplements, 1991, 23, 295-298.	0.4	1
117	The anomalous sector of the strong interaction effective lagrangian. Nuclear Physics B, 1991, 367, 709-730.	2.5	30
118	The Ï€+â^Ï€0 mass difference in the QCD effective action approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 273, 483-492.	4.1	20
119	The KL-KS mass difference. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 191-195.	4.1	36
120	Î³Î³â†'Ï€0Ï€0andKLâ†'Ï€0Î³Î³in the chiral quark model. Physical Review D, 1991, 44, 3555-3561.	4.7	30
121	Three-pseudoscalar photon interactions in chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 237, 488-494.	4.1	75
122	Kâ„4 decays and the low-energy expansion. Nuclear Physics B, 1990, 337, 635-651.	2.5	57
123	Hadronic matrix elements and theÏ€+-Ï€0mass difference. Physical Review Letters, 1989, 62, 1343-1346.	7.8	54
124	Baryon weak decays. Nuclear Physics, Section B, Proceedings Supplements, 1989, 7, 90-105.	0.4	1
125	Chiral perturbation theory and the evaluation of to nonleptonic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 205, 103-110.	4.1	13
126	Two-pion production in photon-photon collisions. Nuclear Physics B, 1988, 296, 557-568.	2.5	161

#	Article	IF	Citations
127	Pseudoscalar Decays into Two Photons in Chiral Perturbation Theory. Physical Review Letters, 1988, 61, 1453-1456.	7.8	86
128	Hierarchical structure of fermion masses and mixings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 199, 525-530.	4.1	13
129	On the validity of chiral perturbation theory for the rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 152, 226-230.	4.1	24
130	Monojets from new heavy vector bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 156, 267-270.	4.1	1
131	Validity of Chiral Perturbation Theory forK0â^'Kâ€¢0Mixing. Physical Review Letters, 1984, 53, 2367-2370.	7.8	90
132	Electromagnetic contribution to Ïµâ€²/εµ. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 137, 245-250.	4.1	152
133	Weak and electromagnetic properties of hyperons in a semiclassical approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 140, 421-423.	4.1	28