

# Ulrich Nierste

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

3,024  
citations

236925

25  
h-index

206112

48  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Higgs boson decay into a lepton pair and a photon: A roadmap to the discovery of $H \rightarrow \ell\ell\gamma$ and probes of new physics. Physical Review D, 2022, 105, .	4.7	3
2	The width difference in $B_s$ beyond mixing at order $\hat{\Gamma}_s$ and. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
3	Addendum to: Towards next-to-next-to-leading-log accuracy for the width difference in the $B_s$ system: fermionic contributions to order $(m_c/m_b)^0$ and $(m_c/m_b)^1$ . Journal of High Energy Physics, 2022, 2022, .	4.7	1
4	Two-loop QCD penguin contribution to the width difference in $B_s$ mixing. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
5	Modified majoron model for cosmological anomalies. Physical Review D, 2021, 104, .	4.7	4
6	Cornering Spontaneous $CP$ Violation with Charged-Higgs-Boson Searches. Physical Review Letters, 2020, 125, 031801.	7.8	7
7	Penguin contribution to the width difference and $CP$ asymmetry in $B_q$ mixing at order $\hat{\Gamma}_s$ . Physical Review D, 2020, 102, .	4.7	14
8	Higgs boson decay into a lepton pair and a photon revisited. Physical Review D, 2020, 101, .	4.7	9
9	Higgs portal to dark matter and $B \rightarrow K^{(*)} \ell\ell$ decays. European Physical Journal C, 2020, 80, 1.	3.9	16
10	Lepton flavour violation in the MSSM: exact diagonalization vs mass expansion. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
11	Neutral $B$ decays as Discovery Channels for Charm $CP$ Violation. Physical Review Letters, 2016, 117, 091802.	4.7	24
12	Singularity-free next-to-leading order $\hat{\Gamma}_s = 1$ renormalization group evolution and $\hat{\Gamma}_s$ in the Standard Model and beyond. Journal of High Energy Physics, 2016, 2016, 1.	7.8	16
13	Supersymmetric Explanation of $B \rightarrow K^* \ell\ell$ Decays. Physical Review Letters, 2016, 117, 091802.	4.7	35
14	Neutral $B$ decays to two pseudoscalars: A global analysis with linear $CP$ violation. Physical Review Letters, 2016, 117, 091802.	7.8	60
15	Neutral $B$ decays to two pseudoscalars: A global analysis with linear $CP$ violation. Physical Review Letters, 2016, 117, 091802.		

#	ARTICLE	IF	CITATIONS
19	Quark-Flavour Physics. , 2015, , 301-353.		0
20	Vacuum stability of the effective Higgs potential in the minimal supersymmetric standard model. Physical Review D, 2014, 90, .	4.7	14
21	Benchmarks for Higgs boson pair production and heavy Higgs boson searches in the two-Higgs-doublet model of type II. Physical Review D, 2014, 90, .	4.7	58
22	Status of the two-Higgs-doublet model of type II. Journal of High Energy Physics, 2013, 2013, 1.	4.7	105
23	Flavour and CP Violation. Journal of Physics: Conference Series, 2013, 447, 012017.	0.4	2
24	Status of the fourth fermion generation before ICHEP2012: Higgs data and electroweak precision observables. Physical Review D, 2012, 86, .	4.7	22
25	Impact of a Higgs Boson at a Mass of 126 GeV on the Standard Model with Three and Four Fermion Generations. Physical Review Letters, 2012, 109, 241802.	7.8	106
26	Joint analysis of Higgs boson decays and electroweak precision observables in the standard model with a sequential fourth generation. Physical Review D, 2012, 86, .	4.7	26
27	Supersymmetric Higgs sector and $B$ mixing for large $\tan\beta$ . Physical Review D, 2011, 84, .	4.7	25
28	Flavor physics in an SO(10) grand unified model. Journal of High Energy Physics, 2011, 2011, 1.	4.7	8
29	Lepton flavour violation in the MSSM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	33
30	Resummation of $\tan\beta$ -enhanced supersymmetric loop corrections beyond the decoupling limit. Journal of High Energy Physics, 2009, 2009, 081-081.	4.7	57
31	Supersymmetric renormalization of the CKM matrix and new constraints on the squark mass matrices. Physical Review D, 2009, 79, .	4.7	30
32	Theoretical update of $B_s$ mixing. Journal of High Energy Physics, 2007, 2007, 072-072.	4.7	341
33	Charm quark contribution to $K \rightarrow \pi \ell \nu$ next-to-next-to-leading order. Journal of High Energy Physics, 2006, 2006, 002-002.	4.7	107
34	$B_s$ - $\overline{B}$ mixing in an SO(10) SUSY GUT model. European Physical Journal C, 2004, 33, s256-s258.	3.9	8
35	CP asymmetry in flavour-specific B decays beyond leading logarithms. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 576, 173-183.	4.1	116
36	Higgs sector of the minimal left-right symmetric model. Physical Review D, 2002, 65, .	4.7	54

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37	The $B \rightarrow B^0$ lifetime difference beyond leading logarithms. Nuclear Physics B, 2002, 639, 389-407.	2.5	71
38	$b \rightarrow s$ and supersymmetry with large $\tan\beta$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 141-146.	4.1	273
39	Effective Lagrangian for the interaction in the MSSM and charged Higgs phenomenology. Nuclear Physics B, 2000, 577, 88-120.	2.5	441
40	$B \rightarrow A, A', A''$ in a two-Higgs-doublet model. Nuclear Physics B, 2000, 586, 39-55.	2.5	117
41	Probing penguin coefficients with the lifetime ratio $\tau(B_s)/\tau(B_d)$ . Physical Review D, 1998, 57, 4282-4289.	4.7	17
42	Penguin diagrams, charmless B decays, and the "missing charm puzzle". Physical Review D, 1997, 56, 7228-7239.	4.7	43
43	The complete $ \hat{\Gamma}^S  = 2$ Hamiltonian in the next-to-leading order. Nuclear Physics B, 1996, 476, 27-88.	2.5	135
44	Higgs sector renormalization group in the $\overline{MS}$ and on-mass-shell scheme: The breakdown of perturbation theory for a heavy Higgs boson. Physical Review D, 1996, 53, 6638-6652.	4.7	27
45	Indirect CP violation in the neutral kaon system beyond leading logarithms. Physical Review D, 1995, 52, 6505-6518.	4.7	107
46	Evanescence operators, scheme dependences and double insertions. Nuclear Physics B, 1995, 455, 39-58.	2.5	123
47	Enhancement of the KL-KS mass difference by short-distance QCD corrections beyond leading logarithms. Nuclear Physics B, 1994, 419, 292-322.	2.5	193