

# Werner Bernreuther

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,378  
citations

394421

19  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3646  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoupling of heavy quarks in the minimal subtraction scheme. Nuclear Physics B, 1982, 197, 228-236.	2.5	215
2	Distributions and correlations for top quark pair production and decay at the Tevatron and LHC. Nuclear Physics B, 2010, 837, 90-121.	2.5	175
3	Top quark and leptonic charge asymmetries for the Tevatron and LHC. Physical Review D, 2012, 86, .	4.7	107
4	Tracing CP violation in the production of top quark pairs by multiple TeV proton-proton collisions. Physical Review D, 1994, 49, 4481-4492.	4.7	94
5	Weak interaction corrections to hadronic top quark pair production. Physical Review D, 2006, 74, .	4.7	79
6	Next-to-Leading Order QCD Corrections to Three-Jet Cross Sections with Massive Quarks. Physical Review Letters, 1997, 79, 189-192.	7.8	76
7	Top quark spin correlations and polarization at the LHC: Standard model predictions and effects of anomalous top chromo moments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 115-122.	4.1	66
8	Determining the $C$ Parity of Higgs Bosons via Their Decay Channels at the Large Hadron Collider. Physical Review Letters, 2008, 100, 171605.	7.8	58
9	Determining the CP parity of Higgs bosons at the LHC in the $\tilde{I}_1$ to 1-prong decay channels. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 470-476.	4.1	52
10	Transverse polarization of top quark pairs at the Tevatron and the Large Hadron Collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 368, 153-162.	4.1	45
11	Higgs CP properties using the $\tilde{I}_1$ decay modes at the ILC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 488-495.	4.1	37
12	Differential decay rates of CP-even and CP-odd Higgs bosons to top and bottom quarks at NNLO QCD. Journal of High Energy Physics, 2018, 2018, 1.	4.7	37
13	Prospects of constraining the Higgs boson's $C$ nature in the tau decay channel at the LHC. Physical Review D, 2015, 92, .	4.7	36
14	The top-quark decay vertex in standard model extensions. European Physical Journal C, 2009, 60, 197-211.	3.9	33
15	Determination of the Higgs CP-mixing angle in the tau decay channels at the LHC including the Drell-Yan background. European Physical Journal C, 2014, 74, 1.	3.9	33
16	A set of top quark spin correlation and polarization observables for the LHC: Standard Model predictions and new physics contributions. Journal of High Energy Physics, 2015, 2015, 1-36.	4.7	32
17	Pseudoscalar Higgs bosons at the LHC: production and decays into electroweak gauge bosons revisited. European Physical Journal C, 2010, 69, 31-43.	3.9	31
18	Weak-interaction corrections to hadronic top-quark pair production: Contributions from quark-gluon and $b$ -induced reactions. Physical Review D, 2008, 78, .	4.7	30

#	ARTICLE	IF	CITATIONS
19	The real radiation antenna function for $S_o Q_{\text{q}}\text{q}$ at NNLO QCD. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
20	The real radiation antenna functions for $S_o Q_{\text{q}}\text{gg}$ at NNLO QCD. Journal of High Energy Physics, 2013, 2013, 1.	4.7	19
21	Polarized $\overline{\text{q}}\text{q}' Z$ +Higgs amplitudes at two loops in QCD: the interplay between vector and axial vector form factors and a pitfall in applying a non-anticommuting $\hat{1}^3$ . Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
22	Semileptonic decays of polarised top quarks: V+A admixture and QCD corrections. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 582, 32-38.	4.1	11
23	The forward-backward asymmetry for massive bottom quarks at the Z peak at next-to-next-to-leading order QCD. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
24	Electric dipole moment of the tau lepton revisited. Physical Review D, 2021, 103, .	4.7	11
25	Top-quark pair production at next-to-next-to-leading order QCD in electron positron collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
26	Top-quark physics at colliders. Nuclear and Particle Physics Proceedings, 2015, 261-262, 414-442.	0.5	8
27	The real virtual antenna functions for $S_{\text{q}}\text{q}$ at NNLO QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 325-333.	4.1	7
28	Improved effective vector boson approximation revisited. Physical Review D, 2016, 93, .	4.7	4
29	Determination of the Higgs CP-mixing angle in the tau decay channels. Nuclear and Particle Physics Proceedings, 2016, 273-275, 841-845.	0.5	2
30	Probing the tau electric dipole moment at the BEPC-II collider. Physical Review D, 2021, 104, .	4.7	2