

Felix Kling

List of Publications by Year in descending order

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47
papers

2,217
citations

201674

27
h-index

214800

47
g-index

47
all docs

47
docs citations

47
times ranked

5335
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics beyond colliders at CERN: beyond the Standard Model working group report. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 010501.	3.6	254
2	ForwArd Search ExpeRiment at the LHC. Physical Review D, 2018, 97, .	4.7	250
3	FASER's physics reach for long-lived particles. Physical Review D, 2019, 99, .	4.7	205
4	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 090501.	3.6	133
5	Heavy neutral leptons at FASER. Physical Review D, 2018, 97, .	4.7	95
6	Axionlike particles at FASER: The LHC as a photon beam dump. Physical Review D, 2018, 98, .	4.7	86
7	Inelastic dark matter at the LHC lifetime frontier: ATLAS, CMS, LHCb, CODEX-b, FASER, and MATHUSLA. Physical Review D, 2019, 99, .	4.7	83
8	Dark Higgs bosons at the ForwArd Search ExpeRiment. Physical Review D, 2018, 97, .	4.7	82
9	Detecting and studying high-energy collider neutrinos with FASER at the LHC. European Physical Journal C, 2020, 80, 1.	3.9	79
10	The Forward Physics Facility: Sites, experiments, and physics potential. Physics Reports, 2022, 968, 1-50.	25.6	57
11	Higgs boson pair production at future hadron colliders: From kinematics to dynamics. Physical Review D, 2018, 97, .	4.7	54
12	Charged Higgs search via $AW \rightarrow HW$ channel. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
13	MadMiner: Machine Learning-Based Inference for Particle Physics. Computing and Software for Big Science, 2020, 4, 1.	2.9	48
14	Anatomy of exotic Higgs decays in 2HDM. Journal of High Energy Physics, 2016, 2016, 1.	4.7	47
15	Constraining type II 2HDM in light of LHC Higgs searches. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
16	Light charged Higgs bosons to AW/HW via top decay. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
17	Maximizing the significance in Higgs boson pair analyses. Physical Review D, 2017, 95, .	4.7	36
18	Forward experiment sensitivity estimator for the LHC and future hadron colliders. Physical Review D, 2021, 104, .	4.7	36

#	ARTICLE	IF	CITATIONS
19	Better Higgs- $C < P <$ tests through information geometry. Physical Review D, 2018, 97, .	4.7	35
20	Extending the reach of FASER, MATHUSLA, and SHiP towards smaller lifetimes using secondary particle production. Physical Review D, 2020, 101, .	4.7	35
21	Forward neutrino fluxes at the LHC. Physical Review D, 2021, 104, .	4.7	35
22	Unblinding the dark matter blind spots. Journal of High Energy Physics, 2017, 2017, 1.	4.7	32
23	First neutrino interaction candidates at the LHC. Physical Review D, 2021, 104, .	4.7	32
24	Probing light gauge bosons in tau neutrino experiments. Physical Review D, 2020, 102, .	4.7	31
25	Better Higgs boson measurements through information geometry. Physical Review D, 2017, 95, .	4.7	30
26	2HDM neutral scalars under the LHC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	30
27	Neutral current neutrino interactions at $FASER < \hat{1}/2 <$ Physical Review D, 2021, 103, .	4.7	28
28	Benchmarking simplified template cross sections in $W H$ production. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
29	Looking forward to millicharged dark sectors at the LHC. Physical Review D, 2021, 104, .	4.7	24
30	Profiles of boson stars with self-interactions. Physical Review D, 2018, 97, .	4.7	22
31	Exotic decays of a heavy neutral Higgs through HZ/AZ channel. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
32	Looking forward to test the KOTO anomaly with FASER. Physical Review D, 2020, 102, .	4.7	21
33	Exotic Higgs decays in Type-II 2HDMs at the LHC and future 100 TeV hadron colliders. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
34	Towards an analytic construction of the wavefunction of boson stars. Physical Review D, 2017, 96, .	4.7	18
35	Discovering dark matter at the LHC through its nuclear scattering in far-forward emulsion and liquid argon detectors. Physical Review D, 2021, 104, .	4.7	15
36	The trigger and data acquisition system of the FASER experiment. Journal of Instrumentation, 2021, 16, P12028.	1.2	13

