

Christopher W Murphy

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

915
citations

623734

14
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

3752
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Energy Effective Field Theory below the Electroweak Scale: dimension-8 operators. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
2	The LHC Olympics 2020 a community challenge for anomaly detection in high energy physics. Reports on Progress in Physics, 2021, 84, 124201.	20.1	70
3	Dimension-8 operators in the Standard Model Effective Field Theory. Journal of High Energy Physics, 2020, 2020, 1.	4.7	113
4	Novel theoretical constraints for color-octet scalar models. Chinese Physics C, 2019, 43, 093101.	3.7	10
5	Direct detection anomalies in light of $G/A \times I/A$ data. Physical Review D, 2019, 100, .		9
6	Class imbalance techniques for high energy physics. SciPost Physics, 2019, 7, .	4.9	5
7	Model-independent determination of $B_c \rightarrow \pi^+ \pi^0$ form factors. Physical Review D, 2018, 98, .	4.7	19
8	Updated global SMEFT fit to Higgs, diboson and electroweak data. Journal of High Energy Physics, 2018, 2018, 1.	4.7	171
9	Statistical approach to Higgs boson couplings in the standard model effective field theory. Physical Review D, 2018, 97, .	4.7	15
10	Fuzzy Dark Matter from Infrared Confining Dynamics. Physical Review Letters, 2017, 118, 141801.	7.8	25
11	Standard model EFT and extended scalar sectors. Physical Review D, 2017, 96, .	4.7	41
12	B-decay anomalies in a composite leptoquark model. European Physical Journal C, 2017, 77, 1.	3.9	155
13	NLO perturbativity bounds on quartic couplings in renormalizable theories with \tilde{I}^4 -like scalar sectors. Physical Review D, 2017, 96, .	4.7	8
14	One-loop corrections to the perturbative unitarity bounds in the CP-conserving two-Higgs doublet model with a softly broken Z_2 symmetry. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
15	Next-to-leading order unitarity fits in Two-Higgs-Doublet models with soft \tilde{a}_2 breaking. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
16	Vector leptoquarks and the 750 GeV diphoton resonance at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 192-198.	4.1	60
17	Bottom-quark forward-backward and charge asymmetries at hadron colliders. Physical Review D, 2015, 92, .	4.7	7
18	Semiclassical approach to heterogeneous vacuum decay. Journal of High Energy Physics, 2015, 2015, 1-19.	4.7	7

#	ARTICLE	IF	CITATIONS
19	Theoretical constraints on additional Higgs bosons in light of the 126 GeV Higgs. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	23
20	Bottom-Quark Forward-Backward Asymmetry in the Standard Model and Beyond. <i>Physical Review Letters</i> , 2013, 111, 062003.	7.8	12
21	Searching for new physics in the three-body decays of the Higgs-like particle. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	30
22	On limit cycles in supersymmetric theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 719, 170-173.	4.1	11
23	Massive spin-2 states as the origin of the top quark forward-backward asymmetry. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	14
24	EWPD constraints on flavor symmetric vector fields. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	3