

Michael Trott

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

4,376
citations

126708

33
h-index

143772

57
g-index

57
all docs

57
docs citations

57
times ranked

5051
citing authors

#	ARTICLE	IF	CITATIONS
1	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{h} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ variations. Physical Review D, 2022, 105, .	1.6	9
2	No-go limitations on UV completions of the neutrino option. Physical Review D, 2021, 103, .	1.6	3
3	One loop verification of SMEFT Ward Identities. SciPost Physics, 2021, 10, .	1.5	7
4	EWPD in the SMEFT to dimension eight. Journal of High Energy Physics, 2021, 2021, 1.	1.6	39
5	Dirac masses and mixings in the (geo)SM(EFT) and beyond. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
6	Methodology for theory uncertainties in the standard model effective field theory. Physical Review D, 2021, 104, .	1.6	10
7	Consistent higher order σ Γ T_j ETQq1 1.0784314 rgBT Overlock 10 T_f 50 502 T	1.6	11
8	Ward identities for the standard model effective field theory. Physical Review D, 2020, 101, .	1.6	16
9	The geometric Standard Model Effective Field Theory. Journal of High Energy Physics, 2020, 2020, 1.	1.6	55
10	Exact SMEFT formulation and expansion to $\mathcal{O}(\sqrt{s}/\Lambda^4)$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	32
11	Examining the neutrino option. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
12	Equations of motion, symmetry currents and EFT below the electroweak scale. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 606-619.	1.5	2
13	The standard model as an effective field theory. Physics Reports, 2019, 793, 1-98.	10.3	334
14	The Higgs width in the SMEFT. Journal of High Energy Physics, 2019, 2019, 1.	1.6	51
15	On interference and non-interference in the SMEFT. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
16	Addendum to: Scheming in the SMEFT. . . and a reparameterization invariance!. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
17	Equations of motion for the standard model effective field theory: Theory and applications. Physical Review D, 2018, 98, .	1.6	10
18	Gauge Fixing the Standard Model Effective Field Theory. Physical Review Letters, 2018, 120, 251801.	2.9	36

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19	Radiatively Generating the Higgs Potential and Electroweak Scale via the Seesaw Mechanism. Physical Review Letters, 2017, 119, 141801.	2.9	31
20	On the non-minimal character of the SMEFT. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 108-116.	1.5	19
21	On expansions in neutrino effective field theory. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
22	Scheming in the SMEFT. . . and a reparameterization invariance!. Journal of High Energy Physics, 2017, 2017, 1.	1.6	46
23	The Z decay width in the SMEFT: γ t and $\hat{\Gamma}$ corrections at one loop. Journal of High Energy Physics, 2017, 2017, 1.	1.6	42
24	The SMEFTsim package, theory and tools. Journal of High Energy Physics, 2017, 2017, 1.	1.6	108
25	Interpreting W mass measurements in the SMEFT. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 426-431.	1.5	29
26	Incorporating doubly resonant W $\hat{\Delta}_{\pm}$ data in a global fit of SMEFT parameters to lift flat directions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	50
27	Consistent constraints on the Standard Model Effective Field Theory. Journal of High Energy Physics, 2016, 2016, 1.	1.6	76
28	Effective interpretations of a diphoton excess. Journal of High Energy Physics, 2016, 2016, 1-18.	1.6	40
29	Higgs Decay to Two Photons at One Loop in the Standard Model Effective Field Theory. Physical Review Letters, 2015, 115, 191801.	2.9	70
30	On one-loop corrections in the standard model effective field theory; the $\hat{\Gamma}^{\prime}(h \hat{\Delta}^{\prime} \hat{\Gamma}^{\prime 3})$ case. Journal of High Energy Physics, 2015, 2015, 1.	1.6	76
31	Towards consistent Electroweak Precision Data constraints in the SMEFT. Journal of High Energy Physics, 2015, 2015, 1.	1.6	85
32	On the consistent use of constructed observables. Journal of High Energy Physics, 2015, 2015, 1.	1.6	29
33	Probing the nature of the Higgs-like boson via $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle h \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\Delta}^{\prime} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle V \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle F \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 131-135.	1.5	78
34	Renormalization group evolution of the Standard Model dimension six operators II: Yukawa dependence. Journal of High Energy Physics, 2014, 2014, 1.	1.6	405
35	Higgs form factors in associated production. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
36	Renormalization group evolution of the Standard Model dimension six operators III: gauge coupling dependence and phenomenology. Journal of High Energy Physics, 2014, 2014, 1.	1.6	499

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37	On the predictiveness of single-field inflationary models. Journal of High Energy Physics, 2014, 2014, 1.	1.6	47
38	Renormalization group scaling of Higgs operators and $h \rightarrow \tau^+ \tau^-$ decay. Journal of High Energy Physics, 2013, 2013, 1.	1.6	135
39	Renormalization group evolution of the standard model dimension six operators. I: formalism and $\hat{\mu}$ dependence. Journal of High Energy Physics, 2013, 2013, 1.	1.6	396
40	On gauge invariance and minimal coupling. Journal of High Energy Physics, 2013, 2013, 1.	1.6	56
41	Naive dimensional analysis counting of gauge theory amplitudes and anomalous dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 697-702.	1.5	55
42	Hitting sbottom in natural SUSY. Journal of High Energy Physics, 2012, 2012, 1.	1.6	32
43	An expansion for neutrino phenomenology. Journal of High Energy Physics, 2012, 2012, 1.	1.6	9
44	NSUSY fits. Journal of High Energy Physics, 2012, 2012, 1.	1.6	74
45	Flavor symmetric sectors and collider physics. Journal of High Energy Physics, 2011, 2011, 1.	1.6	37
46	Electroweak baryogenesis in two Higgs doublet models and B meson anomalies. Journal of High Energy Physics, 2011, 2011, 1.	1.6	144
47	EWPD constraints on flavor symmetric vector fields. Journal of High Energy Physics, 2011, 2011, 1.	1.6	3
48	Forward-Backward Asymmetry in $t\bar{t}$ Production from Flavor Symmetries. Physical Review Letters, 2011, 107, 012002.	2.9	75
49	Scalar representations and minimal flavor violation. Journal of High Energy Physics, 2010, 2010, 1.	1.6	50
50	High p_T production of $b\bar{b}$ at LHC and new SU(3) _c bosons. Journal of High Energy Physics, 2010, 2010, 1.	1.6	4
51	On Higgs inflation and naturalness. Journal of High Energy Physics, 2010, 2010, 1.	1.6	248
52	Prospects and constraints for vector-like MFV matter at LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	12
53	On theories of enhanced CP violation in B s,d meson mixing. Journal of High Energy Physics, 2010, 2010, 1.	1.6	33
54	Power-counting and the validity of the classical approximation during inflation. Journal of High Energy Physics, 2009, 2009, 103-103.	1.6	293

#	ARTICLE	IF	CITATIONS
55	Light octet scalars, a heavy Higgs and minimal flavour violation. Journal of High Energy Physics, 2009, 2009, 082-082.	1.6	48
56	Higgs-Higgs bound state due to new physics at a TeV. Physical Review D, 2007, 76, .	1.6	103
57	Global analysis of inclusive B decays. Physical Review D, 2004, 70, .	1.6	126