

David M Straub

List of Publications by Year in descending order

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41
papers

3,975
citations

136950

32
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

5328
citing authors

#	ARTICLE	IF	CITATIONS
1	Symmetries and asymmetries of $B \rightarrow K^{*1/2} \mu^+ \mu^-$ decays in the Standard Model and beyond. <i>Journal of High Energy Physics</i> , 2009, 2009, 019-019.	4.7	392
2	$B \rightarrow V \mu^+ \mu^-$ in the Standard Model from light-cone sum rules. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	324
3	New physics in $B \rightarrow s \mu^+ \mu^-$ transitions after LHC run 1. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	237
4	New physics in $B \rightarrow K^* \mu^+ \mu^-$? <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	224
5	$B \rightarrow K^* \mu^+ \mu^-$ decays in the Standard Model and beyond. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	207
6	Anatomy and phenomenology of FCNC and CPV effects in SUSY theories. <i>Nuclear Physics B</i> , 2010, 830, 17-94.	2.5	197
7	U(2) and minimal flavour violation in supersymmetry. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	177
8	Interpreting hints for lepton flavor universality violation. <i>Physical Review D</i> , 2017, 96, .	4.7	169
9	B-decay discrepancies after Moriond 2019. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	153
10	Flavour physics from an approximate U(2) ³ symmetry. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	119
11	New strategies for new physics search in $B \rightarrow K^{*1/2} \mu^+ \mu^-$, $B \rightarrow K^{*1/2} \mu^+ \mu^-$, and $B \rightarrow X \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2009, 2009, 022-022.	4.7	116
12	Violation of lepton flavour universality in composite Higgs models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 747, 182-186.	4.1	111
13	Status of the $B \rightarrow K^* \mu^+ \mu^-$. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	110
14	: a Python package for the running and matching of Wilson coefficients above and below the electroweak scale. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	109
15	WCxf: An exchange format for Wilson coefficients beyond the Standard Model. <i>Computer Physics Communications</i> , 2018, 232, 71-83.	7.5	102
16	Rare $B \rightarrow K^{*1/2} \mu^+ \mu^-$ decays as tests of the Standard Model. <i>Progress in Particle and Nuclear Physics</i> , 2017, 92, 50-91.	14.4	97
17	A global likelihood for precision constraints and flavour anomalies. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	95
18	Model-independent constraints on new physics in $b \rightarrow s \mu^+ \mu^-$ transitions. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	83

#	ARTICLE	IF	CITATIONS
19	A new light particle in B decays?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 205-209.	4.1	81
20	Constraining new physics in $b \rightarrow s^* c^* \bar{c}^*$ transitions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	80
21	Cornering new physics in $b \rightarrow s^* c^* \bar{c}^*$ transitions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	72
22	A 125 GeV composite Higgs boson versus flavour and electroweak precision tests. Journal of High Energy Physics, 2013, 2013, 1.	4.7	69
23	SUSY GUTs with Yukawa unification: A go/no-go study using FCNC processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 668, 385-391.	4.1	66
24	Anthropic solution to the magnetic muon anomaly: the charged see-saw. Journal of High Energy Physics, 2012, 2012, 1.	4.7	61
25	The SUSY CP problem and the MFV principle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 684, 147-153.	4.1	52
26	Master formula for $\hat{\mu} \in \mathbb{Z} / \hat{\mu}$ beyond the Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 465-469.	4.1	50
27	Constraints on new physics from radiative B decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	49
28	Minimal flavour violation and beyond. European Physical Journal C, 2012, 72, 1.	3.9	45
29	$B \rightarrow s^* c^* \bar{c}^* + \bar{c}^* s^* c^*$ as current and future probe of new physics. Journal of High Energy Physics, 2017, 2017, 1.	4.7	37
30	Flavourful SMEFT likelihood for Higgs and electroweak data. Journal of High Energy Physics, 2020, 2020, 1.	4.7	37
31	Flavor physics and flavor anomalies in minimal fundamental partial compositeness. Physical Review D, 2018, 97, .	4.7	36
32	Challenging SO(10) SUSY GUTs with family symmetries through FCNC processes. Journal of High Energy Physics, 2007, 2007, 055-055.	4.7	32
33	Dipole operator constraints on composite Higgs models. European Physical Journal C, 2014, 74, 2945.	3.9	31
34	Viability of MSSM scenarios at very large $\tan \beta$. Journal of High Energy Physics, 2010, 2010, 1.	4.7	30
35	Direct and indirect signals of natural composite Higgs models. Journal of High Energy Physics, 2016, 2016, 1.	4.7	26
36	Anatomy of ϵ' / ϵ $\hat{\mu} \in \mathbb{Z} / \hat{\mu}$ beyond the standard model. European Physical Journal C, 2019, 79, 1.	3.9	26

#	ARTICLE	IF	CITATIONS
37	Anatomy of flavour-changing Z couplings in models with partial compositeness. Journal of High Energy Physics, 2013, 2013, 1.	4.7	25
38	Viable and testable SUSY GUTs with Yukawa unification: the case of split trilinears. Journal of High Energy Physics, 2009, 2009, 059-059.	4.7	21
39	Electroweak symmetry breaking and collider signatures in the next-to-minimal composite Higgs model. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
40	CP violation in supersymmetry with Effective Minimal Flavour Violation. Journal of High Energy Physics, 2011, 2011, 1.	4.7	12
41	U(2) and Minimal Flavour Violation in Supersymmetry. , 2012, , .		0