

# Marc Sher

## List of Publications by Year in descending order

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51  
papers

4,549  
citations

304368

22  
h-index

233125

45  
g-index

52  
all docs

52  
docs citations

52  
times ranked

6348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory and phenomenology of two-Higgs-doublet models. Physics Reports, 2012, 516, 1-102.	10.3	1,725
2	Electroweak Higgs potential and vacuum stability. Physics Reports, 1989, 179, 273-418.	10.3	801
3	Mass-matrix ansatz and flavor nonconservation in models with multiple Higgs doublets. Physical Review D, 1987, 35, 3484-3491.	1.6	441
4	Probing vacuum stability bounds at the fermilab collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 228, 139-143.	1.5	191
5	Vacuum stability bounds in the two-Higgs doublet model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 89-92.	1.5	143
6	Precise vacuum stability bound in the standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 317, 159-163.	1.5	138
7	Rare B decays, rare $\tau$ decays, and grand unification. Physical Review D, 1991, 44, 1461-1472.	1.6	135
8	Lifetime of the electroweak vacuum and sensitivity to Planck scale physics. Physical Review D, 2015, 91, .	1.6	106
9	Higgs-boson mass bound in E6-based supersymmetric theories. Physical Review D, 1987, 35, 2206-2214.	1.6	75
10	$\tau \rightarrow \mu \gamma$ in supersymmetric models. Physical Review D, 2002, 66, .	1.6	74
11	Upper limits to fermion masses in the Glashow-Weinberg-Salam model. Physical Review D, 1983, 27, 1679-1682.	1.6	72
12	New bounds on isotropic Lorentz violation. Physical Review D, 2006, 74, .	1.6	72
13	Lorentz and CPT violation in the Higgs sector. Physical Review D, 2004, 70, .	1.6	71
14	Heavy Higgs searches and constraints on two Higgs doublet models. Physical Review D, 2013, 88, .	1.6	57
15	Implications of the LHC two-photon signal for two-Higgs-doublet models. Physical Review D, 2012, 85, .	1.6	39
16	Next-to-minimal two Higgs doublet model. Physical Review D, 2014, 89, .	1.6	38
17	Holographic electroweak symmetry breaking from D-branes. Physical Review D, 2007, 76, .	1.6	37
18	Could the LHC two-photon signal correspond to the heavier scalar in two-Higgs-doublet models?. Physical Review D, 2012, 85, .	1.6	36

#	ARTICLE	IF	CITATIONS
19	Flavor-changing leptonic decays of heavy Higgs bosons. Physical Review D, 2016, 93, .	1.6	26
20	Astrophysical consequences of a neutrinophilic two-Higgs-doublet model. Physical Review D, 2011, 83, .	1.6	25
21	Anomalous magnetic moment of the muon and Higgs-mediated flavor changing neutral currents. Physical Review D, 1998, 58, .	1.6	24
22	Dark two Higgs doublet model. Physical Review D, 2013, 87, .	1.6	23
23	Neutrino masses in effective rank-5 subgroups of E6. I. Nonsupersymmetric case. Physical Review D, 2005, 71, .	1.6	18
24	Implementation of the multiple point principle in the two-Higgs doublet model of type II. Physical Review D, 2006, 73, .	1.6	18
25	$\langle m_{\nu} \rangle$ beyond: An updated view. Physical Review D, 2021, 104, .	1.6	18
26	Neutrino masses in the effective rank-5 subgroups of E6. II. Supersymmetric case. Physical Review D, 2005, 71, .	1.6	14
27	Extra gauge invariance from an extra dimension. Physical Review D, 2008, 78, .	1.6	13
28	Higgs masses in the four generation minimal supersymmetric standard model. Physical Review D, 2009, 80, .	1.6	13
29	Generations of Higgs bosons in supersymmetric models. Physical Review D, 2000, 62, .	1.6	12
30	Supersymmetric model with Dirac neutrino masses. Physical Review D, 2010, 81, .	1.6	11
31	Supersymmetric leptophilic Higgs model. Physical Review D, 2011, 83, .	1.6	11
32	Publisher's Note: Heavy Higgs searches and constraints on two Higgs doublet models [Phys. Rev. D 88, 015018 (2013)]. Physical Review D, 2013, 88, .	1.6	10
33	Discovering charged Higgs bosons in the $W$ plus dark vector boson decay mode. Physical Review D, 2014, 89, .	1.6	8
34	LHC constraints on the Lee-Wick Higgs sector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 122-126.	1.5	8
35	Detecting a heavy neutrino electric dipole moment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 246-249.	1.5	8
36	Large electric dipole moments of heavy neutrinos. Physical Review D, 2002, 65, .	1.6	5

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37	Suppression of the Higgs boson dimuon decay. Physical Review D, 2020, 101, .	1.6	5
38	The environmental impact of vacuum decay. American Journal of Physics, 1991, 59, 25-32.	0.3	4
39	$\tilde{H}_4^\pm$ , production at hadron colliders. Journal of High Energy Physics, 2010, 2010, 1.	1.6	4
40	Permutation on hybrid natural inflation. Physical Review D, 2014, 90, .	1.6	4
41	Electron/muon specific two Higgs doublet model at $e^+e^-$ colliders. Physical Review D, 2015, 91, .	1.6	4
42	Three doublet lepton-specific model. Physical Review D, 2017, 95, .	1.6	4
43	Constraints on the parameter space in an inert doublet model with two active doublets. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
44	Breaking of Lorentz invariance in electron-proton parity violation. Physical Review D, 2019, 100, .	1.6	2
45	The Fourth Generation t-prime in Extensions of the Standard Model. , 2010, , .		1
46	Radion-Higgs mixing in 2HDMs. Journal of High Energy Physics, 2018, 2018, 1.	1.6	1
47	A handâ€held demonstration of cosmological phase transitions. American Journal of Physics, 1993, 61, 1049-1050.	0.3	0
48	Lee-Wick extension of the two-Higgs doublet model. Physical Review D, 2016, 93, .	1.6	0
49	Is the radion a bulk Higgs doublet?. Journal of Physics C: Nuclear and Particle Physics, 2019, 46, 075004.	1.4	0
50	GRAND UNIFICATION, HIGGS BOSONS, AND BARYOGENESIS. , 2004, , .		0
51	Constraints on Higgs Boson Properties from the Higgs Potential. Advanced Series on Directions in High Energy Physics, 1993, , 44-78.	0.7	0