

Stephen P Martin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4578611/publications.pdf>

Version: 2024-02-01

48
papers

3,231
citations

186265

28
h-index

197818

49
g-index

49
all docs

49
docs citations

49
times ranked

3665
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-loop renormalization group equations for soft supersymmetry-breaking couplings. Physical Review D, 1994, 50, 2282-2292.	4.7	630
2	A Supersymmetry Primer. Advanced Series on Directions in High Energy Physics, 2010, , 1-153.	0.7	321
3	Regularization dependence of running couplings in softly broken supersymmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 331-337.	4.1	230
4	Two-loop effective potential for a general renormalizable theory and softly broken supersymmetry. Physical Review D, 2002, 65, .	4.7	165
5	Decoupling of the $\hat{\mu}$ -scalar mass in softly broken supersymmetry. Physical Review D, 1994, 50, R5481-R5483.	4.7	151
6	Extra vectorlike matter and the lightest Higgs scalar boson mass in low-energy supersymmetry. Physical Review D, 2010, 81, .	4.7	151
7	TSIL: a program for the calculation of two-loop self-energy integrals. Computer Physics Communications, 2006, 174, 133-151.	7.5	105
8	Evaluation of two-loop self-energy basis integrals using differential equations. Physical Review D, 2003, 68, .	4.7	81
9	Vectorlike leptons at the Large Hadron Collider. Physical Review D, 2015, 92, .	4.7	77
10	Taming the Goldstone contributions to the effective potential. Physical Review D, 2014, 90, .	4.7	76
11	Two-loop scalar self-energies in a general renormalizable theory at leading order in gauge couplings. Physical Review D, 2004, 70, .	4.7	72
12	Strong and Yukawa two-loop contributions to Higgs scalar boson self-energies and pole masses in supersymmetry. Physical Review D, 2005, 71, .	4.7	70
13	Large Hadron Collider reach for supersymmetric models with compressed mass spectra. Physical Review D, 2011, 84, .	4.7	65
14	Dimensionless supersymmetry breaking couplings, flat directions, and the origin of intermediate mass scales. Physical Review D, 2000, 61, .	4.7	61
15	Compressed supersymmetry after $L\hat{e}\hat{e}^c$ at the Large Hadron Collider. Physical Review D, 2012, 85, .	4.7	59
16	Tumbling top-quark condensate model. Physical Review D, 1992, 46, 2197-2202.	4.7	54
17	Renormalizable top-quark condensate models. Physical Review D, 1992, 45, 4283-4293.	4.7	50
18	Two-loop scalar self-energies and pole masses in a general renormalizable theory with massless gauge bosons. Physical Review D, 2005, 71, .	4.7	49

#	ARTICLE	IF	CITATIONS
19	Shift in the LHC Higgs diphoton mass peak from interference with background. Physical Review D, 2012, 86, .	4.7	41
20	Three-loop Standard Model effective potential at leading order in strong and top Yukawa couplings. Physical Review D, 2014, 89, .	4.7	40
21	Higgs boson mass in the standard model at two-loop order and beyond. Physical Review D, 2014, 90, .	4.7	39
22	Prospects for vectorlike leptons at future proton-proton colliders. Physical Review D, 2019, 100, .	4.7	39
23	Cosmic strings from supersymmetric flat directions. Physical Review D, 2008, 77, .	4.7	38
24	Nonstandard supersymmetry breaking and Dirac gaugino masses without supersoftness. Physical Review D, 2015, 92, .	4.7	35
25	Fermion self-energies and pole masses at two-loop order in a general renormalizable theory with massless gauge bosons. Physical Review D, 2005, 72, .	4.7	33
26	Nonuniversal gaugino masses, the supersymmetric little hierarchy problem, and dark matter. Physical Review D, 2012, 85, .	4.7	32
27	Evaluation of the general three-loop vacuum Feynman integral. Physical Review D, 2017, 95, .	4.7	30
28	Four-loop standard model effective potential at leading order in QCD. Physical Review D, 2015, 92, .	4.7	29
29	Effective potential at three loops. Physical Review D, 2017, 96, .	4.7	28
30	Interference of Higgs diphoton signal and background in production with a jet at the LHC. Physical Review D, 2013, 88, .	4.7	26
31	Collider signals from slow decays in supersymmetric models with an intermediate-scale solution to the $1/4$ problem. Physical Review D, 2000, 62, .	4.7	25
32	Virtual effects of light gauginos and Higgsinos: A precision electroweak analysis of split supersymmetry. Physical Review D, 2005, 71, .	4.7	25
33	Implications of gauge-mediated supersymmetry breaking with vectorlike quarks and a $1/4$ problem. Physical Review D, 2012, 86, .	4.7	25
34	Two-loop effective potential for generalized gauge fixing. Physical Review D, 2018, 98, .	4.7	20
35	Pole mass of the W boson at two-loop order in the pure \overline{MS} scheme. Physical Review D, 2015, 91, .	4.7	19
36	LHC search for di-Higgs decays of stoponium and other scalars in events with two photons and two bottom jets. Physical Review D, 2014, 90, .	4.7	18

#	ARTICLE	IF	CITATIONS
37	Top-quark pole mass in the tadpole-free pure $\overline{\text{MS}}$ scheme. Physical Review D, 2016, 93, .	4.7	18
38	Standard model parameters in the tadpole-free pure $\overline{\text{MS}}$ scheme. Physical Review D, 2016, 93, .	4.7	17
39	Standard model parameters in the tadpole-free pure $\overline{\text{MS}}$ scheme. Physical Review D, 2016, 93, .	4.7	17
40	Radiative corrections to stoponium annihilation decays. Physical Review D, 2009, 80, .	4.7	15
41	QCD corrections to stoponium production at hadron colliders. Physical Review D, 2010, 81, .	4.7	14
42	Resummation of Goldstone boson contributions to the MSSM effective potential. Physical Review D, 2016, 94, .	4.7	13
43	High-quality axions in solutions to the $\hat{I}^{3/4}$ problem. Physical Review D, 2021, 104, .	4.7	7
44	Signal-background interference for a singlet spin-0 digluon resonance at the LHC. Physical Review D, 2016, 94, .	4.7	6
45	Matching relations for decoupling in the standard model at two loops and beyond. Physical Review D, 2019, 99, .	4.7	6
46	Renormalized $\hat{\mu}$ -finite master integrals and their virtues: The three-loop self-energy case. Physical Review D, 2022, 105, .	4.7	3
47	Mixed gluinos and sgluons from a new $SU(3)_C \times U(1)_T$ EFT. (stretchy="false")	4.7	1
48	Signal-background interference for digluon resonances at the Large Hadron Collider. Physical Review D, 2020, 102, .	4.7	1