Stephen P Martin

List of Publications by Year
in descending order

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	Renormalized $\bar{\lambda}$ -finite master integrals and their virtues: The three-loop self-energy case. Physical Review D, 2022, 105, .	4.7	3
2	High-quality axions in solutions to the μ problem. Physical Review D, 2021, 104, .	4.7	7
3	Mixed gluinos and sgluons from a new $SU(3$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 652 Td (stretchy="false"	4.7	1
4	Signal-background interference for digluon resonances at the Large Hadron Collider. Physical Review D, 2020, 102, .	4.7	1
5	Prospects for vectorlike leptons at future proton-proton colliders. Physical Review D, 2019, 100, .	4.7	39
6	Matching relations for decoupling in the standard model at two loops and beyond. Physical Review D, 2019, 99, .	4.7	6
7	Standard model parameters in the tadpole-free pure $\overline{MS}$ scheme. Physical Review D, 2019, 100, .	4.7	17
8	Two-loop effective potential for generalized gauge fixing. Physical Review D, 2018, 98, .	4.7	20
9	Evaluation of the general three-loop vacuum Feynman integral. Physical Review D, 2017, 95, .	4.7	30
10	Effective potential at three loops. Physical Review D, 2017, 96, .	4.7	28
11	Signal-background interference for a singlet spin-0 digluon resonance at the LHC. Physical Review D, 2016, 94, .	4.7	6
12	Resummation of Goldstone boson contributions to the MSSM effective potential. Physical Review D, 2016, 94, .	4.7	13
13	Top-quark pole mass in the tadpole-free $\overline{MS}$ scheme. Physical Review D, 2016, 93, .	4.7	17
14	Pole mass of the W boson at two-loop order in the pure $MS\bar{}$ scheme. Physical Review D, 2015, 91, .	4.7	19
15	Z -boson pole mass at two-loop order in the pure $\overline{MS}$ scheme. Physical Review D, .	4.7	18
16	Nonstandard supersymmetry breaking and Dirac gaugino masses without supersoftness. Physical Review D, 2015, 92, .	4.7	35
17	Four-loop standard model effective potential at leading order in QCD. Physical Review D, 2015, 92, .	4.7	29
18	Vectorlike leptons at the Large Hadron Collider. Physical Review D, 2015, 92, .	4.7	77

#	ARTICLE	IF	CITATIONS
19	Three-loop Standard Model effective potential at leading order in strong and top Yukawa couplings. Physical Review D, 2014, 89, .	4.7	40
20	Taming the Goldstone contributions to the effective potential. Physical Review D, 2014, 90, .	4.7	76
21	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
22	Higgs boson mass in the standard model at two-loop order and beyond. Physical Review D, 2014, 90, .	4.7	39
23	Interference of Higgs diphoton signal and background in production with a jet at the LHC. Physical Review D, 2013, 88, .	4.7	26
24	Implications of gauge-mediated supersymmetry breaking with vectorlike quarks and a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo>â¼</mml:mo><mml:mn>125</mml:mn><mml:mtext>â‰</mml:mtext><mml:mtext>â‰</mml:mtext>< boson. Physical Review D, 2012, 86, .	4.7	25
25	Shift in the LHC Higgs diphoton mass peak from interference with background. Physical Review D, 2012, 86, .	4.7	41
26	Compressed supersymmetry after1â‰â‰fbâˆ’1at the Large Hadron Collider. Physical Review D, 2012, 85, .	4.7	59
27	Nonuniversal gaugino masses, the supersymmetric little hierarchy problem, and dark matter. Physical Review D, 2012, 85, .	4.7	32
28	Large Hadron Collider reach for supersymmetric models with compressed mass spectra. Physical Review D, 2011, 84, .	4.7	65
29	QCD corrections to stoponium production at hadron colliders. Physical Review D, 2010, 81, .	4.7	14
30	Extra vectorlike matter and the lightest Higgs scalar boson mass in low-energy supersymmetry. Physical Review D, 2010, 81, .	4.7	151
31	A Supersymmetry Primer. Advanced Series on Directions in High Energy Physics, 2010, , 1-153.	0.7	321
32	Radiative corrections to stoponium annihilation decays. Physical Review D, 2009, 80, .	4.7	15
33	Cosmic strings from supersymmetric flat directions. Physical Review D, 2008, 77, .	4.7	38
34	TSIL: a program for the calculation of two-loop self-energy integrals. Computer Physics Communications, 2006, 174, 133-151.	7.5	105
35	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
36	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

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37	Virtual effects of light gauginos and Higgsinos: A precision electroweak analysis of split supersymmetry. Physical Review D, 2005, 71, .	4.7	25
38	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
39	Two-loop scalar self-energies in a general renormalizable theory at leading order in gauge couplings. Physical Review D, 2004, 70, .	4.7	72
40	Evaluation of two-loop self-energy basis integrals using differential equations. Physical Review D, 2003, 68, .	4.7	81
41	Two-loop effective potential for a general renormalizable theory and softly broken supersymmetry. Physical Review D, 2002, 65, .	4.7	165
42	Dimensionless supersymmetry breaking couplings, flat directions, and the origin of intermediate mass scales. Physical Review D, 2000, 61, .	4.7	61
43	Collider signals from slow decays in supersymmetric models with an intermediate-scale solution to the Î¼ problem. Physical Review D, 2000, 62, .	4.7	25
44	Two-loop renormalization group equations for soft supersymmetry-breaking couplings. Physical Review D, 1994, 50, 2282-2292.	4.7	630
45	Decoupling of the Î¼-scalar mass in softly broken supersymmetry. Physical Review D, 1994, 50, R5481-R5483.	4.7	151
46	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
47	Tumbling top-quark condensate model. Physical Review D, 1992, 46, 2197-2202.	4.7	54
48	Renormalizable top-quark condensate models. Physical Review D, 1992, 45, 4283-4293.	4.7	50