Carlos Eâ€m Wagner

List of Publications by Year
in descending order

88 papers	4,112 citations	159585 30 h-index	110387 64 g-index
88 all docs	88 docs citations	88 times ranked	5951 citing authors

#	Article	IF	Citations
1	Effective Lagrangian for the interaction in the MSSM and charged Higgs phenomenology. Nuclear Physics B, 2000, 577, 88-120.	2.5	441
2	Higgs bosons in the minimal supersymmetric standard model with explicit CP violation. Nuclear Physics B, 1999, 553, 3-42.	2.5	359
3	A 125ÂGeV SM-like Higgs in the MSSM and the Î³Î³ rate. Journal of High Energy Physics, 2012, 2012, 1.	4.7	319
4	bâ†'sÎ³ and supersymmetry with large tanÎ². Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 141-146.	4.1	273
5	Implications of a modified Higgs to diphoton decay width. Journal of High Energy Physics, 2012, 2012, 1.	4.7	206
6	Impersonating the Standard Model Higgs boson: alignment without decoupling. Journal of High Energy Physics, 2014, 2014, 1.	4.7	182
7	Light stau phenomenology and the Higgs Î³Î³ rate. Journal of High Energy Physics, 2012, 2012, 1.	4.7	161
8	Dark Matter and enhanced h â†' Î³Î³ rate from vector-like Leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	111
9	Gauge-Higgs unification and radiative electroweak symmetry breaking in warped extra dimensions. Physical Review D, 2007, 76, .	4.7	96
10	Forward-backward asymmetry of top quark pair production. Physical Review D, 2010, 81, .	4.7	95
11	A light complex scalar for the electron and muon anomalous magnetic moments. Journal of High Energy Physics, 2019, 2019, 1.	4.7	89
12	Precise estimates of the Higgs mass in heavy supersymmetry. Physical Review D, 2014, 89, .	4.7	86
13	bâ†'stransitions in family-dependent U(1)â€² models. Journal of High Energy Physics, 2009, 2009, 048-048.	4.7	77
14	Dark Light-Higgs Bosons. Physical Review Letters, 2011, 106, 121805.	7.8	77
15	Higgs bosons in heavy supersymmetry with an intermediatemA. Physical Review D, 2015, 92, .	4.7	72
16	Higgs signal forhâ†'aaat hadron colliders. Journal of High Energy Physics, 2008, 2008, 092-092.	4.7	67
17	GlobalÏ‡2analysis of electroweak data in SO(10) SUSY GUTs. Physical Review D, 1997, 56, 6919-6938.	4.7	65
18	Family nonuniversal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:msup><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (stretchy="fals and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>b</mml:mi><mml:mo>â†'</mml:mo><mml:mi>s</mml:mi></mml:math>transitions.	4.7	64

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19	Blind spots for neutralino dark matter in the MSSM with an intermediate mA. Physical Review D, 2014, 90, .	4.7	64
20	Phenomenology of the nMSSM from colliders to cosmology. Journal of High Energy Physics, 2007, 2007, 066-066.	4.7	63
21	Complementarity between nonstandard Higgs boson searches and precision Higgs boson measurements in the MSSM. Physical Review D, 2015, 91, .	4.7	62
22	MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. European Physical Journal C, 2019, 79, 1.	3.9	56
23	Alignment limit of the NMSSM Higgs sector. Physical Review D, 2016, 93, .	4.7	51
24	Collider phenomenology of Gauge-Higgs unification scenarios in warped extra dimensions. Physical Review D, 2008, 77, .	4.7	48
25	Dark side of the Higgs boson. Physical Review D, 2012, 85, .	4.7	48
26	Light dark matter and the electroweak phase transition in the NMSSM. Physical Review D, 2012, 85, .	4.7	47
27	Cosmological magnetic fields from gauge-mediated supersymmetry-breaking models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 472, 287-294.	4.1	46
28	Higgs portals for thermal Dark Matter. EFT perspectives and the NMSSM. Journal of High Energy Physics, 2018, 2018, 1.	4.7	43
29	Probing the electroweak phase transition at the LHC. Physical Review D, 2016, 93, .	4.7	42
30	Light stops, light staus and the 125 GeV Higgs. Journal of High Energy Physics, 2013, 2013, 1.	4.7	37
31	The tiny (g-2) muon wobble from small-Î¼ supersymmetry. Journal of High Energy Physics, 2022, 2022, 1.	4.7	31
32	Neutrinos in large extra dimensions and short-baseline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>e</mml:mi></mml:msub></mml:math> appearance. Physical Review D, 2017, 96, .	4.7	28
33	Gauge-Higgs unification, neutrino masses, and dark matter in warped extra dimensions. Physical Review D, 2009, 79, .	4.7	27
34	A light Higgs at the LHC and the B-anomalies. Journal of High Energy Physics, 2018, 2018, 1.	4.7	26
35	Baryogenesis from an earlier phase transition. Physical Review D, 2007, 75, .	4.7	25
36	A light scalar explanation of (g â^’ 2)Î¼ and the KOTO anomaly. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24

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37	A supersymmetric theory of vector-like leptons. Journal of High Energy Physics, 2013, 2013, 1.	4.7	22
38	Nucleation is more than critical: A case study of the electroweak phase transition in the NMSSM. Journal of High Energy Physics, 2021, 2021, 1.	4.7	22
39	Very light charginos and Higgs decays. Journal of High Energy Physics, 2013, 2013, 1.	4.7	21
40	Gravitons and dark matter in universal extra dimensions. Physical Review D, 2006, 74, .	4.7	20
41	Soft leptogenesis in warped extra dimensions. Journal of High Energy Physics, 2006, 2006, 037-037.	4.7	20
42	Dynamically solving the Î¼/BÎ¼problem in gauge-mediated supersymmetry breaking. Journal of High Energy Physics, 2008, 2008, 073-073.	4.7	20
43	Supersymmetry and LHC missing energy signals. Physical Review D, 2018, 98, .	4.7	20
44	Implications of sterile neutrinos for medium/long-baseline neutrino experiments and the determination of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î¸</mml:mi><mml:mn>13</mml:mn></mml:msub></mml:math>. Physical Review D, 2012, 85, .	4.7	18
45	Constraints on supersymmetric dark matter for heavy scalar superpartners. Physical Review D, 2017, 95, .	4.7	17
46	LHC discovery potential for non-standard Higgs bosons in the 3b channel. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
47	Higgs boson decay into hadronic jets. Physical Review D, 2002, 66, .	4.7	14
48	Corrections to di-Higgs boson production with light stops and modified Higgs couplings. Physical Review D, 2018, 97, .	4.7	14
49	Search for Higgs bosons in supersymmetric cascade decays and neutralino dark matter. Physical Review D, 2011, 83, .	4.7	13
50	$$ {R}_{D^{left(*ight)}} $$ in custodial warped space. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
51	Wrong sign bottom Yukawa coupling in low energy supersymmetry. Physical Review D, 2018, 97, .	4.7	13
52	Return of the WIMP: Missing energy signals and the Galactic Center excess. Physical Review D, 2019, 100, .	4.7	13
53	Prospects for MSSM Higgs boson searches at the Fermilab Tevatron. Physical Review D, 2009, 80, .	4.7	12
54	Bounding the charm Yukawa coupling. Physical Review D, 2019, 100, .	4.7	12

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55	Heavy Higgs boson with a light sneutrino next-to-lightest supersymmetric particle in the MSSM with enhanced<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 727 Td (stretchy="false">	4.7	11
56	Top-squark searches at the Fermilab Tevatron in models of low-energy supersymmetry breaking. Physical Review D, 2002, 66, .	4.7	10
57	Phenomenological MSSM interpretation of LHC results using rernormalization group invariants. Physical Review D, 2012, 86, .	4.7	10
58	An alternative Yukawa unified SUSY scenario. Journal of High Energy Physics, 2012, 2012, 1.	4.7	10
59	Constraints on a very light sbottom. Journal of High Energy Physics, 2014, 2014, 1.	4.7	10
60	Enhancing the Higgs associated production with a top quark pair. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
61	Modification of Higgs couplings in minimal composite models. Physical Review D, 2017, 96, .	4.7	10
62	Searching for the Higgsino-Bino sector at the LHC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
63	Low energy supergravity: R-parity breaking and the top quark mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 186, 361-364.	4.1	9
64	CP-odd component of the lightest neutral Higgs boson in the MSSM. Physical Review D, 2015, 91, .	4.7	9
65	Enhanced Higgs associated production with a top quark pair in the NMSSM with light singlets. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
66	Prospects for Higgs boson searches at the Tevatron and LHC in the MSSM with explicitCPviolation. Physical Review D, 2010, 81, .	4.7	8
67	The 7ÂTeV LHC reach for MSSM Higgs bosons. Physical Review D, 2011, 84, .	4.7	8
68	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (stretchy="false">)</mml:m stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 207 Td (stretchy="false">)</mml:m	4.7	8
69	2 Bottom-quark forward-backward asymmetry, dark matter, and the LHC. Physical Review D, 2018, 97, .	4.7	8
70	Same-sign dilepton excesses and light top squarks. Physical Review D, 2015, 92, .	4.7	7
71	Challenges for a QCD axion at the 10 MeV scale. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
72	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi></mml:math> solution to the strong <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math> problem. Physical Review D, 2019, 100, .	4.7	6

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73	Neutralino production in e+eâ^' annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 195, 599-602.	4.1	5
74	Determining the structure of supersymmetry breaking with renormalization group invariants. Physical Review D, 2010, 82, .	4.7	5
75	Probing the Higgs sector of high-scale supersymmetry-breaking models at the Tevatron. Physical Review D, 2011, 83, .	4.7	5
76	CMS kinematic edge from sbottoms. Physical Review D, 2015, 91, .	4.7	5
77	Higgs-stoponium mixing near the stop-antistop threshold. Physical Review D, 2017, 95, .	4.7	5
78	Dynamical Higgs field alignment in the NMSSM. Physical Review D, 2020, 101, .	4.7	5
79	The scale of superpartner masses and electroweakino searches at the high-luminosity LHC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
80	Supersymmetry-breaking parameters from renormalization group invariants at the LHC. Physical Review D, 2011, 83, .	4.7	2
81	Double peak searches for scalar and pseudoscalar resonances at the LHC. Physical Review D, 2016, 94, .	4.7	2
82	Model-Independent Searches for New Physics in Multi-Body Invariant Masses. Universe, 2021, 7, 333.	2.5	2
83	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi></mml:math> scalar in the early Universe and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:mi>g</mml:mi><mml:mo>â^'</mml:mo><mml:mn>2</mml:mn><mml:msub><mml:mo) Tj ETQq1 1	4.7	2
84	Comment on â€˜â€˜New model ofb-quark interactions: A superstring alternativeâ€™â€™. Physical Review Letters, 1987, 58, 1380-1380.	7.8	1
85	Non-Abelian theory for massive vector bosons and canonical quantization. Physical Review D, 1988, 37, 560-562.	4.7	1
86	A global Ï‡2 analysis of electroweak data (including fermion masses and mixing angles) in SO(10) SUSY GUTs. Nuclear Physics, Section B, Proceedings Supplements, 1997, 52, 133-140.	0.4	1
87	Bottom-quark forwardâ€“backward asymmetry, dark matter and the LHC. International Journal of Modern Physics A, 2019, 34, 1940009.	1.5	1
88	Limits on the top quark mass within the frame of the minimal superstrings inspired model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 198, 205-208.	4.1	0