

Marcela Carena

List of Publications by Year in descending order

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57
papers

3,857
citations

172457

29
h-index

144013

57
g-index

57
all docs

57
docs citations

57
times ranked

4325
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	Z ² gauge bosons at the Fermilab Tevatron. Physical Review D, 2004, 70, .	4.7	418
3	A 125 GeV SM-like Higgs in the MSSM and the $\hat{\Gamma}^3$ rate. Journal of High Energy Physics, 2012, 2012, 1.	4.7	319
4	$\hat{b}\hat{t}$'s ³ and supersymmetry with large $\tan\hat{\beta}$. 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	Light Kaluza-Klein states in Randall-Sundrum models with custodial $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	2.5	185
7	Impersonating the Standard Model Higgs boson: alignment without decoupling. Journal of High Energy Physics, 2014, 2014, 1.	4.7	182
8	Light stau phenomenology and the Higgs $\hat{\Gamma}^3$ rate. Journal of High Energy Physics, 2012, 2012, 1.	4.7	161
9	Electroweak constraints on warped models with custodial symmetry. Physical Review D, 2007, 76, .	4.7	128
10	Opaque branes in warped backgrounds. Physical Review D, 2003, 67, .	4.7	103
11	Model-independent searches for new quarks at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	80
12	Indirect probes of the MSSM after the Higgs discovery. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
13	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msub} \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle^{\hat{1}/4} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{theory of Higgs flavor violation and} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mo} \rangle \text{stretchv="false"} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \langle \text{mml:mo} \rangle \text{Ti FTQq1}$	4.7	66
14	Distinguishing a minimal supersymmetric standard model Higgs boson from the SM Higgs boson at a linear collider. Physical Review D, 2002, 65, .	4.7	64
15	Complementarity between nonstandard Higgs boson searches and precision Higgs boson measurements in the MSSM. Physical Review D, 2015, 91, .	4.7	62
16	Warped fermions and precision tests. Physical Review D, 2005, 71, .	4.7	59
17	Challenges and opportunities for heavy scalar searches in the $t\bar{t}\hat{A}$ channel at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	54
18	Light dark matter, naturalness, and the radiative origin of the electroweak scale. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52

#	ARTICLE	IF	CITATIONS
19	Alignment limit of the NMSSM Higgs sector. <i>Physical Review D</i> , 2016, 93, .	4.7	51
20	Minimal composite Higgs models at the LHC. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	50
21	Light dark matter and the electroweak phase transition in the NMSSM. <i>Physical Review D</i> , 2012, 85, .	4.7	47
22	Higgs portals for thermal Dark Matter. EFT perspectives and the NMSSM. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	43
23	Heavy quarks above the top at the Tevatron. <i>Physical Review D</i> , 2009, 79, .	4.7	42
24	Electroweak phase transition with spontaneous Z ₂ -breaking. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	40
25	Flavor from the electroweak scale. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	38
26	Light stops, light staus and the 125 GeV Higgs. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	37
27	Higgs production in a warped extra dimension. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	32
28	Exotic leptons: Higgs, flavor and collider phenomenology. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	32
29	Probing the electroweak phase transition via enhanced di-Higgs boson production. <i>Physical Review D</i> , 2018, 97, .	4.7	31
30	The tiny (g-2) muon wobble from small- $\hat{1}/4$ supersymmetry. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	31
31	Manifestations of R-parity violation in ultrahigh-energy neutrino interactions. <i>Physical Review D</i> , 1998, 58, .	4.7	29
32	Supersymmetric Higgs bosons and beyond. <i>Physical Review D</i> , 2010, 81, .	4.7	28
33	Neutrinos in large extra dimensions and short-baseline $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" > \langle \text{mml:msub} > \langle \text{mml:mi} > \hat{1}/2 < / \text{mml:mi} > \langle \text{mml:mi} > e < / \text{mml:mi} > \langle / \text{mml:msub} > \langle / \text{mml:math} >$ appearance. <i>Physical Review D</i> , 2017, 96, .	4.7	28
34	Electroweak Baryogenesis from Dark-Sector $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" > \langle \text{mml:mi} > C < / \text{mml:mi} > \langle \text{mml:mi} > P < / \text{mml:mi} > \langle / \text{mml:math} >$ Violation. <i>Physical Review Letters</i> , 2019, 122, 201802.	7.8	27
35	Higgs production and decay in models of a warped extra dimension with a bulk Higgs. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	25
36	W plus two jets from a quasi-inert Higgs doublet. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	24

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37	PAMELA excess from neutralino annihilation in the NMSSM. Physical Review D, 2009, 80, .	4.7	23
38	Creating the fermion mass hierarchies with multiple Higgs bosons. Physical Review D, 2016, 94, .	4.7	22
39	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
40	Supersymmetry and LHC missing energy signals. Physical Review D, 2018, 98, .	4.7	20
41	Lattice renormalization of quantum simulations. Physical Review D, 2021, 104, .	4.7	19
42	Interference in the $\langle g \rangle$ $\langle h \rangle$ $\langle \hat{I}^3 \rangle$ On-Shell Rate and the Higgs Boson Total Width. Physical Review Letters, 2017, 119, 181801.	7.8	18
43	Interplay between collider searches for supersymmetric Higgs bosons and direct dark matter experiments. Physical Review D, 2007, 75, .	4.7	17
44	Beyond the MSSM Higgs bosons at the Tevatron and the LHC. Physical Review D, 2010, 82, .	4.7	17
45	Implications of Direct Dark Matter Constraints for Minimal Supersymmetric Standard Model Higgs Boson Searches at the Tevatron. Physical Review Letters, 2006, 97, 051801.	7.8	16
46	Dark $\langle C \rangle$ $\langle P \rangle$ violation and gauged lepton or baryon number for electroweak baryogenesis. Physical Review D, 2020, 101, .	4.7	16
47	LHC discovery potential for non-standard Higgs bosons in the 3b channel. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
48	New approach to electroweak symmetry nonrestoration. Physical Review D, 2021, 104, .	4.7	14
49	$\mathcal{R}_{D^{\left(*\right)}}$ in custodial warped space. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
50	Return of the WIMP: Missing energy signals and the Galactic Center excess. Physical Review D, 2019, 100, .	4.7	13
51	Top-squark searches at the Fermilab Tevatron in models of low-energy supersymmetry breaking. Physical Review D, 2002, 66, .	4.7	10
52	Phenomenological MSSM interpretation of LHC results using renormalization group invariants. Physical Review D, 2012, 86, .	4.7	10
53	Beyond the MSSM Higgs bosons at the 7 TeV LHC. Physical Review D, 2012, 85, .	4.7	8
54	Higgs Pair Production as a Signal of Enhanced Yukawa Couplings. Physical Review Letters, 2018, 121, 021801.	7.8	8

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55	$i^{1/2}$ solution to the strong C P problem. Physical Review D, 2010, 82, .	4.7	6
56	Study of R -parity violation at a $1/4$ collider. Physical Review D, 2000, 62, .	4.7	5
57	Bmeson mixing in effective theories of supersymmetric Higgs bosons. Physical Review D, 2012, 85, .	4.7	4