

Abdelhak Djouadi

List of Publications by Year in descending order

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48
papers

5,427
citations

218677

26
h-index

233421

45
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48
all docs

48
docs citations

48
times ranked

6505
citing authors

#	ARTICLE	IF	CITATIONS
1	The anatomy of electroweak symmetry breaking Tome II: The Higgs bosons in the Minimal Supersymmetric Model. <i>Physics Reports</i> , 2008, 459, 1-241.	25.6	937
2	The anatomy of electroweak symmetry breaking. <i>Physics Reports</i> , 2008, 457, 1-216.	25.6	796
3	SuSpect: A Fortran code for the Supersymmetric and Higgs particle spectrum in the MSSM. <i>Computer Physics Communications</i> , 2007, 176, 426-455.	7.5	641
4	Implications of LHC searches for Higgs-portal dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 709, 65-69.	4.1	363
5	NNLO QCD corrections to the Higgs-strahlung processes at hadron colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 579, 149-156.	4.1	283
6	Light scalar top quarks and supersymmetric dark matter. <i>Physical Review D</i> , 2000, 62, .	4.7	204
7	Direct detection of Higgs-portal dark matter at the LHC. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	192
8	Constraints on the minimal supergravity model and prospects for SUSY particle production at future linear e^+e^- colliders. <i>Journal of High Energy Physics</i> , 2001, 2001, 055-055.	4.7	185
9	Dark Matter through the Higgs portal. <i>Physics Reports</i> , 2020, 842, 1-180.	25.6	142
10	Scenarii for interpretations of the LHC diphoton excess: Two Higgs doublets and vector-like quarks and leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 756, 126-132.	4.1	128
11	Higgs production at the LHC. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	124
12	Squark effects on Higgs boson production and decay at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 435, 101-108.	4.1	119
13	The LHC diphoton resonance and dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 426-432.	4.1	111
14	$Z\epsilon^2$ studies at the LHC: an update. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 583, 111-120.	4.1	109
15	HDECAY: Twenty++ years after. <i>Computer Physics Communications</i> , 2019, 238, 214-231.	7.5	99
16	Sealing the fate of a fourth generation of fermions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 715, 310-314.	4.1	91
17	Predictions for Higgs production at the Tevatron and the associated uncertainties. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	87
18	An update of the constraints on the phenomenological MSSM from the new LHC Higgs results. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 720, 153-160.	4.1	86

#	ARTICLE	IF	CITATIONS
19	The couplings of the Higgs boson and its CP properties from fits of the signal strengths and their ratios at the 7+8 TeV LHC. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	70
20	The MSSM Higgs sector at a high MSUSY: reopening the low $\tan \hat{\beta}$ regime and heavy Higgs searches. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	69
21	The MSSM with heavy scalars. <i>Journal of High Energy Physics</i> , 2007, 2007, 016-016.	4.7	65
22	Neutralino dark matter in mSUGRA: Reopening the light Higgs pole window. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 624, 60-69.	4.1	63
23	Precision Higgs coupling measurements at the LHC through ratios of production cross sections. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	52
24	Detection of MSSM Higgs bosons from supersymmetric particle cascade decays at the LHC. <i>Nuclear Physics B</i> , 2004, 681, 31-64.	2.5	46
25	Minimal supersymmetric standard model Higgs bosons in the intense-coupling regime. <i>Physical Review D</i> , 2002, 66, .	4.7	45
26	Future collider signatures of the possible 750 GeV state. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	30
27	Charged Higgs boson production from supersymmetric particle cascade decays at the CERN LHC. <i>Physical Review D</i> , 2001, 65, .	4.7	29
28	Prospects for Higgs physics at energies up to 100 TeV. <i>Reports on Progress in Physics</i> , 2016, 79, 116201.	20.1	26
29	Implications of the Higgs discovery for the MSSM. <i>European Physical Journal C</i> , 2014, 74, 2704.	3.9	25
30	Higgs boson decays into light gravitinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 407, 243-249.	4.1	23
31	PDF uncertainties in Higgs production at hadron colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 586, 345-352.	4.1	23
32	Interference effects in the decays of spin-zero resonances into $\hat{1}^3\hat{1}^3$ and $t \hat{1}^- \hat{1}^+$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	23
33	The Higgs-portal for vector dark matter and the effective field theory approach: A reappraisal. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 805, 135427.	4.1	22
34	The Higgs-portal for dark matter: effective field theories versus concrete realizations. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	21
35	Interference effects in $t \hat{1}^- \hat{1}^+$ production at the LHC as a window on new physics. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	19
36	A complete effective field theory for dark matter. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	17

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37	The Higgs intense-coupling regime in constrained SUSY models and its astrophysical implications. Journal of High Energy Physics, 2006, 2006, 001-001.	4.7	12
38	The Higgs sector of supersymmetric theories and the implications for high-energy colliders. European Physical Journal C, 2009, 59, 389.	3.9	12
39	Into the multi-TeV scale with a Higgs golden ratio. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 412-419.	4.1	12
40	Threshold enhancement of diphoton resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 8-15.	4.1	9
41	Higher-spin particles at high-energy colliders. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
42	Revisiting the constraints on the supersymmetric Higgs sector at the Tevatron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 372-376.	4.1	2
43	Higgs physics: Theory. Pramana - Journal of Physics, 2012, 79, 513-539.	1.8	2
44	Implications of the Higgs discovery for SUSY. Journal of Physics: Conference Series, 2013, 447, 012002.	0.4	2
45	Enhanced rates for diphoton resonances in the MSSM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 175-180.	4.1	2
46	The Higgs Mechanism and the Origin of Mass. , 2009, , 1-23.		1
47	Electroweak Symmetry Breaking at the LHC. , 2009, , 47-74.		1
48	Perspectives for Higgs and New Physics. EPJ Web of Conferences, 2016, 126, 02010.	0.3	0