

Francisco Del Águila Giménez

List of Publications by Year in descending order

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108
papers

4,509
citations

81900

39
h-index

102487

66
g-index

110
all docs

110
docs citations

110
times ranked

4733
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinguishing seesaw models at LHC with multi-lepton signals. Nuclear Physics B, 2009, 813, 22-90.	2.5	318
2	Heavy neutrino signals at large hadron colliders. Journal of High Energy Physics, 2007, 2007, 047-047.	4.7	187
3	Effects of new leptons in electroweak precision data. Physical Review D, 2008, 78, .	4.7	179
4	Observable contributions of new exotic quarks to quark mixing. Journal of High Energy Physics, 2000, 2000, 011-011.	4.7	177
5	Higgs bosons in SO(10) and partial unification. Nuclear Physics B, 1981, 177, 60-86.	2.5	157
6	Specifically supersymmetric contribution to electric dipole moments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 126, 71-73.	4.1	153
7	Gauge coupling renormalisation with several U(1) factors. Nuclear Physics B, 1988, 307, 633-648.	2.5	132
8	The possibility of new fermions with $\hat{I}^3 = 0$ mass. Nuclear Physics B, 1983, 224, 107-136.	2.5	129
9	Electroweak scale seesaw and heavy Dirac neutrino signals at LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 158-165.	4.1	120
10	Heavy Majorana neutrinos in the effective Lagrangian description: Application to hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 670, 399-402.	4.1	119
11	Electroweak limits on general new vector bosons. Journal of High Energy Physics, 2010, 2010, 1.	4.7	116
12	Superstring-inspired models. Nuclear Physics B, 1986, 272, 413-438.	2.5	114
13	Higher order QCD corrections to an exclusive two-photon process. Nuclear Physics B, 1981, 193, 517-528.	2.5	111
14	Effective description of quark mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 492, 98-106.	4.1	106
15	Detecting E6 neutral gauge bosons through lepton pairs at hadron colliders. Nuclear Physics B, 1987, 287, 419-456.	2.5	103
16	Constraints on Top Couplings in Models with Exotic Quarks. Physical Review Letters, 1999, 82, 1628-1631.	7.8	102
17	Bulk fields with general brane kinetic terms. Journal of High Energy Physics, 2003, 2003, 051-051.	4.7	97
18	On the mass and the signature of a new Z. Nuclear Physics B, 1987, 284, 530-556.	2.5	75

#	ARTICLE	IF	CITATIONS
19	Physical parameters and renormalization of $U(1)_A - U(1)_B$ models. Nuclear Physics B, 1995, 456, 531-549.	2.5	71
20	Neutrino masses from an A_4 symmetry in holographic composite Higgs models. Journal of High Energy Physics, 2010, 2010, 1.	4.7	69
21	One-loop effective lagrangians after matching. European Physical Journal C, 2016, 76, 1.	3.9	68
22	Vector-like fermion and standard Higgs production at hadron colliders. Nuclear Physics B, 1990, 334, 1-23.	2.5	60
23	Effective Lagrangian approach to neutrinoless double beta decay and neutrino masses. Journal of High Energy Physics, 2012, 2012, 1.	4.7	60
24	Collider aspects of flavor physics at high Q . European Physical Journal C, 2008, 57, 183-307.	3.9	59
25	Exotic (E_6) particles in e^+e^- annihilation. Nuclear Physics B, 1988, 297, 1-33.	2.5	51
26	On the detectability of sleptons at large hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 261, 326-333.	4.1	51
27	Low-energy models with two supersymmetries. Nuclear Physics B, 1985, 250, 225-251.	2.5	50
28	Universality limits on bulk fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 493, 175-181.	4.1	49
29	Neutrino physics at large colliders. Journal of Physics: Conference Series, 2006, 53, 506-527.	0.4	49
30	LHC bounds on lepton number violation mediated by doubly and singly-charged scalars. Journal of High Energy Physics, 2014, 2014, 1.	4.7	49
31	Analysis of neutral currents in superstring inspired models. Nuclear Physics B, 1987, 283, 50-72.	2.5	48
32	The electric dipole moment of the tau. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 116-118.	4.1	48
33	A new model of weak CP violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 156, 243-249.	4.1	47
34	Reconstruction of the extended gauge structure from $Z\alpha^2$ observables at future colliders. Physical Review D, 1995, 52, 37-43.	4.7	47
35	Flavour and polarisation in heavy neutrino production at e^+e^- colliders. Journal of High Energy Physics, 2002, 2002, 010-010.	4.1	44
36	Signals from extra dimensions decoupled from the compactification scale. Journal of High Energy Physics, 2002, 2002, 010-010.	4.7	43

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37	$e\bar{l}W^{1/2}$ production at CLIC: a window to TeV scale non-decoupled neutrinos. Journal of High Energy Physics, 2005, 2005, 026-026.	4.7	43
38	Correlation between $MZ\hat{\epsilon}^2$ and m_t bounds: (II). All data. Nuclear Physics B, 1992, 372, 3-22.	2.5	40
39	Precise determination of the Wtb couplings at the CERN Large Hadron Collider. Physical Review D, 2003, 67, .	4.7	40
40	Determination of $Z\hat{\epsilon}^2$ gauge couplings to quarks and leptons at future hadron colliders. Physical Review D, 1993, 48, R969-R973.	4.7	38
41	The possibility of using a large heavy-ion collider for measuring the electromagnetic properties of the tau lepton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 271, 256-260.	4.1	37
42	Renormalization group analysis of extended electroweak models from the heterotic string. Nuclear Physics B, 1988, 307, 571-632.	2.5	35
43	Tau custodian searches at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 449-453.	4.1	35
44	On the $g\hat{\alpha}^2$ and the events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 140, 431-434.	4.1	33
45	Effective description of brane terms in extra dimensions. Journal of High Energy Physics, 2006, 2006, 056-056.	4.7	32
46	Suppression of lepton number violation mediated by $\hat{\nu}^l = 0$ mass fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 119, 144-150.	4.1	31
47	Discriminating between lepton number violating scalars using events with four and three charged leptons at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 310-315.	4.1	30
48	Collider limits on leptophilic interactions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
49	Low energy CP violation in broken supersymmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 129, 77-79.	4.1	29
50	Correlation between MZ , and m_t bounds (I). Neutral current data. Nuclear Physics B, 1991, 361, 45-71.	2.5	29
51	Possible method in some extensions of the standard model to produce and detect Higgs bosons at hadron colliders. Physical Review Letters, 1989, 63, 942-944.	7.8	28
52	Supergravity corrections to $(g\hat{\alpha}^2)$ in differential renormalization. Nuclear Physics B, 1997, 504, 532-550.	2.5	28
53	A little Higgs model of neutrino masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 627, 131-136.	4.1	28
54	A realistic model of neutrino masses with a large neutrinoless double beta decay rate. Journal of High Energy Physics, 2012, 2012, 1.	4.7	27

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55	Could the quark electroweak and mass eigenstates coincide?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 196, 531-536.	4.1	26
56	MZ^2 mass bounds from neutrino-hadron neutral current data and a precise MZ measurement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 254, 497-501.	4.1	24
57	Light scalars in N=1 locally supersymmetric theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 122, 355-360.	4.1	22
58	Lepton flavor violation in the Simplest Little Higgs model. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
59	Electroweak constraints on new physics. Fortschritte Der Physik, 2011, 59, 1036-1040.	4.4	22
60	Precision bounds on m_H and m_t . Nuclear Physics B, 1992, 381, 451-466.	2.5	19
61	Diagnostic power of future colliders for Z^2 couplings to quarks and leptons: e^+e^- versus pp colliders. Physical Review D, 1994, 50, 3158-3166.	4.7	18
62	The $Z^2 \rightarrow W^+W^- + 1/2 \text{jet} + \text{jet}$ signal at hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 201, 375-382.	4.1	15
63	Very large intermediate scales in three-generation models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 215, 93-98.	4.1	14
64	CP violation in the lepton sector with Majorana neutrinos. Nuclear Physics B, 1995, 447, 211-226.	2.5	14
65	Invariant analysis of CP violation. Computer Physics Communications, 1997, 100, 231-246.	7.5	14
66	$\tau \rightarrow e$ conversion in the Littlest Higgs model with T-parity. Journal of High Energy Physics, 2010, 2010, 1.	4.7	13
67	The electron anomalous magnetic moment in unbroken supergravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 145, 70-72.	4.1	12
68	Lepton flavor changing Higgs decays in the littlest Higgs model with T-parity. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12
69	String goniometry by neutral currents. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 89-95.	4.1	11
70	Bulk fields with brane terms. European Physical Journal C, 2004, 33, s773-s775.	3.9	11
71	Low-energy neutral current phenomenology and grand unified theories. Nuclear Physics B, 1981, 189, 212-228.	2.5	10
72	The standard model with mirror fermions. Annals of Physics, 1985, 165, 237-258.	2.8	10

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73	Hadron-collider limits on new electroweak interactions from the heterotic string. Physical Review D, 1990, 41, 134-141.	4.7	10
74	Bounds on new Z bosons. Physical Review D, 1989, 40, 2481-2483.	4.7	9
75	Searching for the $Z\hat{\epsilon}^2\hat{\alpha}^{\prime}$, $\hat{1}/2$ +jet+jet signal at hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 221, 408-414.	4.1	9
76	Impact of right-handed interactions on the propagation of Dirac and Majorana neutrinos in matter. Physical Review D, 2007, 76, .	4.7	9
77	Evidence for right-handed neutrinos at a neutrino factory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 282-288.	4.1	9
78	Combined analysis of $Z\hat{\epsilon}^2\hat{\alpha}^{\prime}$ and $Z\hat{\alpha}^{\prime}$ signals. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 282-288.	4.1	9
79	Dalitz arrays of the ρ , $\rho(770)$ and $\rho(1450)$ resonances. Zeitschrift für Physik C-Particles and Fields, 1980, 4, 1-10.	1.5	8
80	The cosmological constant, non-compact symmetries and Weyl invariance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 180, 25-28.	4.1	8
81	Effects of longitudinal photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 492, 123-134.	4.1	8
82	Inverse see-saw neutrino masses in the Littlest Higgs model with T-parity. Journal of High Energy Physics, 2019, 2019, 1.	4.7	8
83	$g\hat{\alpha}^{\prime 2}$ in spontaneously broken supergravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 160, 87-93.	4.1	7
84	A generic problem for a class of three-generation models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 227, 55-60.	4.1	7
85	Distinguishing between lepton number violating scalars at the LHC. EPJ Web of Conferences, 2013, 60, 17002.	0.3	7
86	Is there any evidence for a heavy neutral fermion ($\hat{1}/2(\bar{l},)R$)?. Physical Review Letters, 1991, 66, 2943-2946.	7.8	6
87	Impact of extra particles on indirect $Z\hat{\epsilon}^2\hat{\alpha}^{\prime}$ limits. Physical Review D, 2011, 84, .	4.7	6
88	$Z\hat{\epsilon}^2$ decays into four fermions. Physical Review D, 1993, 48, 425-428.	4.7	5
89	Lepton Number Violation and Scalar Searches at the LHC. Acta Physica Polonica B, 2013, 44, 2139.	0.8	5
90	The full lepton flavor of the littlest Higgs model with T-parity. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5

