

Arcadi Santamaria

List of Publications by Year in descending order

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77
papers

3,294
citations

147801

31
h-index

144013

57
g-index

77
all docs

77
docs citations

77
times ranked

3669
citing authors

#	ARTICLE	IF	CITATIONS
1	Lepton flavour non-conservation at high energies in a superstring inspired standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 187, 303-308.	4.1	306
2	Present and future bounds on non-standard neutrino interactions. Journal of High Energy Physics, 2003, 2003, 011-011.	4.7	266
3	\tilde{l}_\pm , Decays to pions. Zeitschrift für Physik C-Particles and Fields, 1990, 48, 445-452.	1.5	254
4	$\tilde{l}^+(Z \rightarrow \tau^+ b)$: A signature of hard mass terms for a heavy top. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 200, 569-574.	4.1	135
5	Spontaneous R parity violation in supersymmetry: A model for solar neutrino oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 195, 423-428.	4.1	132
6	Production mechanisms and signatures of isosinglet neutral heavy leptons in Z0 decays. Nuclear Physics B, 1990, 332, 1-19.	2.5	110
7	Top quark mass from radiative corrections to the decay. Nuclear Physics B, 1991, 363, 326-344.	2.5	107
8	Supersymmetric majoron signatures and solar neutrino oscillations. Physical Review Letters, 1988, 60, 397-400.	7.8	93
9	Do the Quark Masses Run? Extracting $m_{\tilde{b}}(m_Z)$ from CERN LEP Data. Physical Review Letters, 1997, 79, 193-196.	7.8	90
10	Prospects for the Zee-Babu model at the CERN LHC and low energy experiments. Physical Review D, 2008, 77, .	4.7	90
11	Majorons and supernova cooling. Physical Review D, 1990, 42, 293-306.	4.7	82
12	One-loop effective lagrangian for an extension of the standard model with a heavy charged scalar singlet. Nuclear Physics B, 1994, 420, 47-93.	2.5	81
13	Universal extra dimensions and $Z \rightarrow \tau^+ b b^-$. Physical Review D, 2003, 67, .	4.7	81
14	Right-handed neutrino magnetic moments. Physical Review D, 2009, 80, .	4.7	80
15	$\tilde{l} \rightarrow e \nu$ conversion in nuclei versus \tilde{l} : an effective field theory point of view. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 421, 250-258.	4.1	78
16	Isosinglet-neutral heavy-lepton production in Z-decays and neutrino mass. Nuclear Physics B, 1990, 342, 108-126.	2.5	73
17	$\tilde{l}_\pm(m_Z)$ from \tilde{l}_\pm decays with matching conditions at three loops. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 424, 367-374.	4.1	65
18	The Zee-Babu model revisited in the light of new data. Nuclear Physics B, 2014, 885, 542-570.	2.5	65

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19	QCD matching conditions at thresholds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 313, 441-446.	4.1	63
20	17 keV neutrino in a singlet-triplet majoron model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 504-508.	4.1	62
21	Effective Lagrangian approach to neutrinoless double beta decay and neutrino masses. Journal of High Energy Physics, 2012, 2012, 1.	4.7	60
22	Solar-neutrino-oscillation parameters and the broken-R-parity Majoron. Physical Review D, 1989, 39, 1780-1783.	4.7	55
23	Model independent bounds on the tau lepton electromagnetic and weak magnetic moments. Nuclear Physics B, 2000, 582, 3-18.	2.5	55
24	The doublet majoron model and solar neutrino oscillations. Nuclear Physics B, 1988, 310, 714-742.	2.5	50
25	New constraints on R-parity violation from $\hat{1}/4\hat{e}$ conversion in nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 430, 355-362.	4.1	50
26	From transition magnetic moments to Majorana neutrino masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 626, 151-160.	4.1	43
27	CPNonconservation at theZ0Peak. Physical Review Letters, 1986, 57, 1514-1517.	7.8	37
28	Masses, mixings, Yukawa couplings and their symmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 305, 90-97.	4.1	37
29	Higgs lepton flavour violation: UV completions and connection to neutrino masses. Journal of High Energy Physics, 2016, 2016, 1.	4.7	36
30	Invisible width of the Z-boson and \hat{e} secret \hat{e} $\hat{1}/2$ - $\hat{1}/2$ interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 301, 287-291.	4.1	33
31	Updated scalar sector constraints in the Higgs triplet model. Physical Review D, 2016, 94, .	4.7	33
32	Three-jet production at LEP and the bottom quark mass. Nuclear Physics B, 1995, 439, 505-535.	2.5	30
33	Quark-mass effects for jet production in $e+e^{\sim}$ collisions at the next-to-leading order: results and applications. Nuclear Physics B, 1999, 554, 257-297.	2.5	30
34	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
35	Lepton flavour violating decay of the Z0 in the scalar triplet model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 418-422.	4.1	27
36	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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37	$\hat{1}/4\hat{\nu}\hat{\nu}^{\dagger}e\hat{\nu} + \hat{1}^3$ decay in the scalar triplet model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 148, 229-233.	4.1	26
38	Chiral fermions and gauge fixing in five-dimensional theories. Physical Review D, 2001, 63, .	4.7	26
39	Can power corrections be reliably computed in models with extra dimensions?. Physical Review D, 2003, 67, .	4.7	23
40	Extra dimensions at the one loop level: $Z\hat{\nu}^{\dagger}b\hat{\nu}$ and $B\hat{\nu}^{\dagger}B\hat{\nu}$ mixing. Physical Review D, 2000, 63, .	4.7	21
41	Bounding effective operators at the one-loop level: the case of four-fermion neutrino interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 336, 91-99.	4.1	19
42	Fitting flavour symmetries: the case of two-zero neutrino mass textures. Journal of High Energy Physics, 2018, 2018, 1.	4.7	19
43	The strong CP problem and the solar neutrino puzzle: Are they related?. Nuclear Physics B, 1991, 357, 222-240.	2.5	14
44	LHC signals of radiatively-induced neutrino masses and implications for the Zee-Babu model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 107-116.	4.1	14
45	CP phases in the charged current and Higgs sectors for Majorana neutrinos. Zeitschrift für Physik C-Particles and Fields, 1986, 30, 213-220.	1.5	13
46	Neutrino masses from operator mixing. Physical Review D, 2002, 65, .	4.7	13
47	Majoron effects in rare kaon decays. Nuclear Physics B, 1989, 315, 558-576.	2.5	12
48	Dark matter from a complex scalar singlet: the role of dark CP and other discrete symmetries. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
49	Stability of the VEV hierarchy and Higgs boson invisibility in majoron models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 213, 487-492.	4.1	11
50	Dimensionally regularized box and phase-space integrals involving gluons and massive quarks. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 1593-1606.	3.6	11
51	Hyperchargeless triplet Majoron model. Physical Review D, 1989, 39, 2715-2722.	4.7	10
52	HardmtCorrections as a Probe of the Symmetry Breaking Sector. Physical Review Letters, 1997, 78, 2902-2905.	7.8	9
53	A model for right-handed neutrino magnetic moments. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 075012.	3.6	9
54	A model of neutrino mass and dark matter with large neutrinoless double beta decay. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9

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55	Astrophysical bound on the majoron-Higgs-boson coupling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 220, 597-601.	4.1	8
56	An effective field theory approach to the QCD corrections to the vertex. Nuclear Physics B, 1995, 445, 252-269.	2.5	7
57	$\sigma_{\text{had}}(m_Z)$ from jet production at the Z peak in the Cambridge algorithm. Physical Review D, 1999, 60, .	4.7	7
58	Distinguishing between lepton number violating scalars at the LHC. EPJ Web of Conferences, 2013, 60, 17002.	0.3	7
59	Neutrino masses, Majorons, and muon decay. Physical Review D, 1987, 36, 1408-1412.	4.7	6
60	Neutrino masses from new generations. Journal of High Energy Physics, 2011, 2011, 1.	4.7	6
61	On the nature of the fourth generation neutrino and its implications. Journal of High Energy Physics, 2012, 2012, 1.	4.7	5
62	Lepton Number Violation and Scalar Searches at the LHC. Acta Physica Polonica B, 2013, 44, 2139.	0.8	5
63	Bounds on the tau magnetic moments: standard model and beyond. Nuclear Physics, Section B, Proceedings Supplements, 2001, 98, 133-140.	0.4	3
64	IMPROVED BOUNDS ON THE TAU MAGNETIC MOMENTS. International Journal of Modern Physics A, 2001, 16, 545-547.	1.5	3
65	B physics and extra dimensions. Nuclear Physics, Section B, Proceedings Supplements, 2003, 120, 210-215.	0.4	3
66	Power corrections in models with extra dimensions. European Physical Journal C, 2004, 33, s911-s913.	3.9	3
67	Testing the Zee-Babu model via neutrino data, lepton flavour violation and direct searches at the LHC. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1678-1684.	0.5	3
68	Can measurements of 2HDM parameters provide hints for high scale supersymmetry?. Physical Review D, 2018, 97, .	4.7	3
69	Heavy quark mass effects in $e^+e^- \rightarrow$ into three jets. Nuclear Physics, Section B, Proceedings Supplements, 1999, 74, 53-56.	0.4	2
70	An effective field theory approach to the electroweak corrections at LEP energies. Nuclear Physics B, 1999, 563, 82-96.	2.5	2
71	Composite Higgs bosons from neutrino condensates in an inverted seesaw scenario. Physical Review D, 2020, 101, .	4.7	2
72	Single-Majoron emission in $\frac{1}{4}$ decay. Physical Review D, 1985, 32, 2461-2463.	4.7	1

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73	Bounds on models with one latticized extra dimension. Physical Review D, 2003, 68, .	4.7	1
74	The running of the b-quark mass from LEP data. Nuclear Physics, Section B, Proceedings Supplements, 1998, 64, 380-386.	0.4	0
75	Right-handed neutrino magnetic moments. Journal of Physics: Conference Series, 2010, 259, 012089.	0.4	0
76	Implications of new generations on neutrino masses. Journal of Physics: Conference Series, 2013, 408, 012030.	0.4	0
77	Neutrinoless double b decay with small neutrino masses. , 2013, , .		0