

Enrique Fernandez-Martinez

List of Publications by Year in descending order

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69
papers

3,059
citations

186265
28
h-index

155660
55
g-index

69
all docs

69
docs citations

69
times ranked

1971
citing authors

#	ARTICLE	IF	CITATIONS
1	Unitarity of the leptonic mixing matrix. Journal of High Energy Physics, 2006, 2006, 084-084.	4.7	306
2	Non-standard neutrino interactions with matter from physics beyond the Standard Model. Nuclear Physics B, 2009, 810, 369-388.	2.5	211
3	Global constraints on heavy neutrino mixing. Journal of High Energy Physics, 2016, 2016, 1.	4.7	187
4	General bounds on non-standard neutrino interactions. Journal of High Energy Physics, 2009, 2009, 090-090.	4.7	179
5	CP-violation from non-unitary leptonic mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 649, 427-435.	4.1	175
6	Physics at a future Neutrino Factory and super-beam facility. Reports on Progress in Physics, 2009, 72, 106201.	20.1	174
7	Neutrinoless double beta decay in seesaw models. Journal of High Energy Physics, 2010, 2010, 1.	4.7	145
8	Non-unitarity, sterile neutrinos, and non-standard neutrino interactions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	127
9	Aidnogenesis via leptogenesis and dark sphalerons. Journal of High Energy Physics, 2011, 2011, 1.	4.7	96
10	Physics potentials with the second Hyper-Kamiokande detector in Korea. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	77
11	Asymmetric Dark Matter and Dark Radiation. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 022-022.	5.4	74
12	Neutrino portals to dark matter. European Physical Journal C, 2019, 79, 1.	3.9	73
13	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322.	3.9	69
14	Freeze-in through portals. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 003-003.	5.4	67
15	Probing nonunitary mixing and C violation at a neutrino factory. Physical Review D, 2009, 80, .	4.7	62
16	Study of the eightfold degeneracy with a standard $\hat{\nu}^2$ -beam and a super-beam facility. Nuclear Physics B, 2005, 710, 402-424.	2.5	58
17	Non-unitary leptonic mixing and leptogenesis. Journal of High Energy Physics, 2010, 2010, 1.	4.7	56
18	Loop bounds on non-standard neutrino interactions. Journal of High Energy Physics, 2009, 2009, 139-139.	4.7	50

#	ARTICLE	IF	CITATIONS
19	Loop level constraints on Seesaw neutrino mixing. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	49
20	GeV-scale neutrinos: interactions with mesons and DUNE sensitivity. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	47
21	Appearance and disappearance signals at a $\hat{\nu}^2$ -beam and a super-beam facility. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 621, 276-287.	4.1	42
22	Precision on leptonic mixing parameters at future neutrino oscillation experiments. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	41
23	Neutrino oscillation parameter sampling with MonteCUBES. <i>Computer Physics Communications</i> , 2010, 181, 227-231.	7.5	40
24	Neutrino oscillations at DUNE with improved energy reconstruction. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	32
25	disappearance at the SPL, T2K-I, NO $\hat{\nu}^2$ A and the neutrino factory. <i>Nuclear Physics B</i> , 2006, 743, 41-73.	2.5	31
26	Parametrization of seesaw models and light sterile neutrinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 704, 223-229.	4.1	30
27	A Beta Beam complex based on the machine upgrades for the LHC. <i>European Physical Journal C</i> , 2006, 48, 787-796.	3.9	29
28	Dark Matter and the elusive $Z\hat{\nu}^2$ in a dynamical Inverse Seesaw scenario. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	29
29	Alternating ions in a $\hat{\nu}^2$ -beam to solve degeneracies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 641, 432-439.	4.1	28
30	Importance of nuclear effects in the measurement of neutrino oscillation parameters. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 697, 477-481.	4.1	28
31	High intensity neutrino oscillation facilities in Europe. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013, 16, .	1.8	25
32	Reassessing the sensitivity to leptonic CP violation. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	25
33	Optimization of neutrino oscillation facilities for large $\hat{\nu}^2$, 13. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	23
34	Physics potential of the ESS $\hat{\nu}^2$ u $\hat{\nu}^2$ SB. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	23
35	Neutrino masses and Hubble tension via a Majoron in MFV. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	22
36	Improvement of the low energy neutrino factory. <i>Physical Review D</i> , 2010, 81, .	4.7	21

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37	Gauged lepton flavour. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	21
38	Heavy neutrinos and lepton number violation in $\hat{\nu}_\mu$ colliders. <i>Nuclear Physics B</i> , 2011, 852, 353-365.	2.5	20
39	The Gran Sasso muon puzzle. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 029-029.	5.4	19
40	Inverse Seesaw, dark matter and the Hubble tension. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	19
41	$\hat{\nu}_{\mu 13}$, $\hat{\nu}_\tau$ and the neutrino mass hierarchy at a $\hat{\nu}^3 = 350$ double baseline Li/B $\hat{\nu}^2$ -beam. <i>Journal of High Energy Physics</i> , 2008, 2008, 050-050.	4.7	18
42	Neutrino hierarchy from CP-blind observables with high density magnetized detectors. <i>European Physical Journal C</i> , 2008, 53, 599-606.	3.9	15
43	IceCube bounds on sterile neutrinos above 10 eV. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	15
44	Optimized two-baseline $\hat{\nu}^2$ -beam experiment. <i>Journal of High Energy Physics</i> , 2009, 2009, 020-020.	4.7	14
45	The MOMENT to search for CP violation. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	14
46	Updated physics performance of the ESSnuSB experiment. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	14
47	The dark side of curvature. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 008-008.	5.4	13
48	Atmospheric neutrinos in ice and measurement of neutrino oscillation parameters. <i>Physical Review D</i> , 2010, 82, .	4.7	13
49	Neutrino probes of the nature of light dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 004-004.	5.4	13
50	Global bounds on the Type-III Seesaw. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	13
51	Probing the Dark Matter mass and nature with neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 038-038.	5.4	12
52	The $\hat{\nu}^2$ -Beam revisited. <i>Nuclear Physics B</i> , 2010, 833, 96-107.	2.5	11
53	Signals of CPT violation and non-locality in future neutrino oscillation experiments. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 665, 190-196.	4.1	10
54	Prospects for constraining the dark energy potential. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 023.	5.4	10

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55	New physics searches at near detectors of neutrino oscillation experiments. Journal of High Energy Physics, 2010, 2010, 1.	4.7	10
56	Physics reach of CERN-based SuperBeam neutrino oscillation experiments. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7
57	Gain fractions of future neutrino oscillation facilities over T2K and NOvA. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
58	Searching for sterile neutrinos at the ESS ν SB. Journal of High Energy Physics, 2014, 2014, 1.	4.7	6
59	Global constraints on vector-like WIMP effective interactions. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 015-015.	5.4	6
60	Determining the PMNS Matrix Elements without Assuming Unitarity. AIP Conference Proceedings, 2007, , .	0.4	2
61	The Low Energy Neutrino Factory. , 2010, , .		2
62	$\hat{\nu}$ $\frac{1}{2}$ electroweak baryogenesis. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
63	$\hat{\nu}$ $\frac{1}{2}$ $\hat{\nu}$ $\frac{1}{4}$ disappearance at the SPL, T2K-I and the Neutrino Factory. Nuclear Physics, Section B, Proceedings Supplements, 2006, 155, 176-177.	0.4	1
64	Limitations in the Use of Barrier Buckets in a Beta Beam Decay Ring. , 2010, , .		1
65	PMNS Matrix Elements Without Assuming Unitarity. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 366-368.	0.4	0
66	Determining the hierarchy of neutrino masses with high density magnetized detectors at the Beta Beams. AIP Conference Proceedings, 2008, , .	0.4	0
67	Bounds on Neutrino Non-Standard Interactions. , 2010, , .		0
68	Are there consistent models giving observable NSI?. Journal of Physics: Conference Series, 2013, 408, 012031.	0.4	0
69	Future prospects for leptonic CP violation. Nuclear and Particle Physics Proceedings, 2015, 265-266, 177-179.	0.5	0