Jacobo LÃ³pez-PavÃ³n

List of Publications by Year
in descending order

38 papers	2,049 citations	257450 24 h-index	377865 34 g-index
38 all docs	38 docs citations	38 times ranked	1453 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	Global constraints on heavy neutrino mixing. Journal of High Energy Physics, 2016, 2016, 1.	4.7	187
3	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
4	Physics at a future Neutrino Factory and super-beam facility. Reports on Progress in Physics, 2009, 72, 106201.	20.1	174
5	Neutrinoless double beta decay in seesaw models. Journal of High Energy Physics, 2010, 2010, 1.	4.7	145
6	Non-unitarity, sterile neutrinos, and non-standard neutrino interactions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	127
7	Testable baryogenesis in seesaw models. Journal of High Energy Physics, 2016, 2016, 1.	4.7	86
8	The seesaw portal in testable models of neutrino masses. Journal of High Energy Physics, 2017, 2017, 1.	4.7	67
9	The minimal 3â€‰+â€‰2 neutrino model versus oscillation anomalies. Journal of High Energy Physics, 2012, 2012, 1.	4.7	66
10	Probing nonunitary mixing and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>violation at a neutrino factory. Physical Review D, 2009, 80, .	4.7	62
11	Can heavy neutrinos dominate neutrinoless double beta decay?. Physical Review D, 2013, 87, .	4.7	59
12	ARS leptogenesis. International Journal of Modern Physics A, 2018, 33, 1842002.	1.5	56
13	Leptogenesis in GeV-scale seesaw models. Journal of High Energy Physics, 2015, 2015, 1.	4.7	51
14	Loop level constraints on Seesaw neutrino mixing. Journal of High Energy Physics, 2015, 2015, 1.	4.7	49
15	Radiative corrections to light neutrino masses in low scale type I seesaw scenarios and neutrinoless double beta decay. Journal of High Energy Physics, 2015, 2015, 1.	4.7	45
16	Neffin low-scale seesaw models versus the lightest neutrino mass. Physical Review D, 2014, 90, .	4.7	43
17	Relaxing cosmological neutrino mass bounds with unstable neutrinos. Journal of High Energy Physics, 2020, 2020, 1.	4.7	43
18	On neutrinoless double beta decay in the minimal leftâ€“right symmetric model. European Physical Journal C, 2014, 74, 1.	3.9	37

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19	Non-standard interactions at a neutrino factory: correlations and CP violation. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
20	The seesaw path to leptonic CP violation. European Physical Journal C, 2017, 77, 1.	3.9	32
21	Minimal models with light sterile neutrinos. Journal of High Energy Physics, 2011, 2011, 1.	4.7	31
22	Decoherence in neutrino propagation through matter, and bounds from IceCube/DeepCore. European Physical Journal C, 2018, 78, 1.	3.9	30
23	The discovery channel at the Neutrino Factory: Î½Î¼â†' Î½Ï„ pointing to sterile neutrinos. Journal of High Energy Physics, 2009, 2009, 041-041.	4.7	28
24	High intensity neutrino oscillation facilities in Europe. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	25
25	Î¸₁₃, Î´ and the neutrino mass hierarchy at a Î³ = 350 double baseline Li/B Î²-beam. Journal of High Energy Physics, 2008, 2008, 050-050.	4.7	18
26	Low-scale seesaw models versus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>N</mml:mi><mml:mtext mathvariant="bold">eff</mml:mtext></mml:msub></mml:math>. Physical Review D, 2014, 89, .	4.7	16
27	Looking at the axionic dark sector with ANITA. European Physical Journal C, 2020, 80, 1.	3.9	16
28	Global bounds on the Type-III Seesaw. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
29	Right-handed neutrinos and the 2ÂTeV<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>W</mml:mi><mml:mo>â€²</mml:mo></mml:msup></mml:math>boson. Physical Review D, 2015, 92, .	4.7	11
30	New physics from oscillations at the DUNE near detector, and the role of systematic uncertainties. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
31	Non-unitary leptonic mixing and CP-violation. AIP Conference Proceedings, 2008, , .	0.4	3
32	Determining the PMNS Matrix Elements without Assuming Unitarity. AIP Conference Proceedings, 2007, , .	0.4	2
33	Î½ electroweak baryogenesis. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
34	Neutrino observables from a U(2) flavor symmetry. Physical Review D, 2021, 103, .	4.7	2
35	Non-Standard ν-Interactions at a Neutrino Factory: Correlation & CP violation effects. , 2011, , .		0
36	Neutrinoless double beta decay in the context of seesaw models. Journal of Physics: Conference Series, 2013, 408, 012019.	0.4	0

#	Article	IF	Citations
37	The Seesaw Scale vs Cosmology. Nuclear and Particle Physics Proceedings, 2015, 265-266, 307-310.	0.5	0
38	Global bounds on heavy neutrino mixing. , 2017, , .		0