Oscar Vives

List of Publications by Year
in descending order

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86	2,111	201674	233421
papers	citations	27	45
		h-index	g-index

89	89	89	2603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Search for magnetic monopoles produced via the Schwinger mechanism. Nature, 2022, 602, 63-67.	27.8	22
2	Constraining low-scale flavor models with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:mi>g</mml:mi><mml:mo>â^’</mml:mo><mml:mn>2</mml:mn><mml:msub><mml:mo) Tj ETQq0 0 Physical Review D, 2022, 105, .	4.7	
3	First Search for Dyons with the Full MoEDAL Trapping Detector in 13ÂTeV <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math> Collisions. Physical Review Letters, 2021, 126, 071801.	7.8	20
4	Anomaly-free leptophilic axionlike particle and its flavor violating tests. Physical Review D, 2021, 103, .	4.7	20
5	Implications of the Muon g-2 result on the flavour structure of the lepton mass matrix. European Physical Journal C, 2021, 81, 1.	3.9	17
6	Prospects for discovering supersymmetric long-lived particles with MoEDAL. European Physical Journal C, 2020, 80, 431.	3.9	7
7	SUSY discovery prospects with MoEDAL. Journal of Physics: Conference Series, 2020, 1586, 012018.	0.4	1
8	Muon and electron g â^’ 2 and lepton masses in flavor models. Journal of High Energy Physics, 2020, 2020, 1.	4.7	44
9	LFV and (g-2) in non-universal SUSY models with light higgsinos. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
10	Lepton flavor violation and neutrino masses from A5 and CP in the non-universal MSSM. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
11	Magnetic Monopole Search with the Full MoEDAL Trapping Detector in 13ÂTeV <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math> Collisions Interpreted in Photon-Fusion and Drell-Yan Production. Physical Review Letters, 2019, 123, 021802.	7.8	38
12	Leptogenesis in Î”(27) with a universal texture zero. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
13	Controlled flavor violation in the MSSM from a unified Î”(27) flavor symmetry. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
14	Can measurements of 2HDM parameters provide hints for high scale supersymmetry?. Physical Review D, 2018, 97, .	4.7	3
15	Search for magnetic monopoles with the MoEDAL forward trapping detector in 2.11 fbâ^’1 of 13 TeV protonâ€“proton collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 510-516.	4.1	33
16	Search for Magnetic Monopoles with the MoEDAL Forward Trapping Detector in 13ÂTeV Proton-Proton Collisions at the LHC. Physical Review Letters, 2017, 118, 061801.	7.8	48
17	Effective theories of flavor and the nonuniversal MSSM. Physical Review D, 2017, 95, .	4.7	7
18	Slepton non-universality in the flavor-effective MSSM. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9

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19	Physics Demos for All UVEG Degrees: A Unique Project in Spain. Procedia, Social and Behavioral Sciences, 2016, 228, 628-632.	0.5	1
20	Search for magnetic monopoles with the MoEDAL prototype trapping detector in 8 TeV proton-proton collisions at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
21	Transplanckian masses in inflation. Nuclear and Particle Physics Proceedings, 2016, 273-275, 446-451.	0.5	1
22	METing SUSY on the Z peak. European Physical Journal C, 2016, 76, 1.	3.9	6
23	Transplanckian inflation as gravity echoes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 336-342.	4.1	0
24	Flavor-changing Higgs boson decays into bottom and strange quarks in supersymmetric models. Physical Review D, 2015, 92, .	4.7	5
25	The physics programme of the MoEDAL experiment at the LHC. International Journal of Modern Physics A, 2014, 29, 1430050.	1.5	93
26	Improved<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>ï„</mml:mi></mml:mrow></mml:math>-lepton tools for Higgs boson hunting. Physical Review D, 2014, 90, .	4.7	3
27	Eviction of a 125 GeV â€œheavyâ€•Higgs from the MSSM. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
28	Cold positrons from decaying dark matter. Physical Review D, 2012, 86, .	4.7	4
29	Flavour and collider interplay for SUSY at LHC7. European Physical Journal C, 2012, 72, 1.	3.9	9
30	Measuring Lepton Flavour Violation at LHC with Long-Lived Slepton in the Coannihilation Region. Journal of Physics: Conference Series, 2011, 315, 012023.	0.4	0
31	Correlation between flavor-violating decay of long-lived slepton and tau in the coannihilation scenario with the seesaw mechanism. Physical Review D, 2011, 83, .	4.7	4
32	Particles, Strings and Cosmology (PASCOS). Journal of Physics: Conference Series, 2010, 259, 011001.	0.4	0
33	The degenerate gravitino scenario. Journal of Physics: Conference Series, 2010, 259, 012043.	0.4	0
34	The degenerate gravitino scenario. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 005-005.	5.4	15
35	FCNC and CP violation observables in an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi mathvariant="italic">SU</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>3</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 87 Td (stretchy="false"	2.5	19
36	Flavour Symmetries and SUSY Soft Breaking in the LHC Era. Progress of Theoretical Physics Supplement, 2009, 180, 20-26.	0.1	0

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37	On the full Boltzmann equations for leptogenesis. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 035-035.	5.4	16
38	(Standard model) universe dominated by the right matter. Physical Review D, 2009, 79, .	4.7	2
39	Long-lived slepton in the coannihilation region and measurement of lepton flavour violation at LHC. Journal of Physics: Conference Series, 2009, 171, 012092.	0.4	0
40	Flavoured leptogenesis: A successful thermal leptogenesis withN1mass below 108GeV. Journal of Physics: Conference Series, 2009, 171, 012076.	0.4	5
41	Flavor physics of leptons and dipole moments. Advances in the Physics of Particles and Nuclei, 2009, , 1-170.	0.1	0
42	Flavor physics of leptons and dipole moments. European Physical Journal C, 2008, 57, 13-182.	3.9	297
43	Electric dipole moments from flavored<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 in supersymmetry. Physical Review D, 2008, 78, .	4.7	15
44	Measuring lepton flavor violation at LHC with a long-lived slepton in the coannihilation region. Physical Review D, 2008, 78, .	4.7	31
45	Flavour symmetries and SUSY soft breaking in the LHC era. Journal of Physics: Conference Series, 2008, 110, 052054.	0.4	0
46	Light charged Higgs at the beginning of the LHC era. Journal of High Energy Physics, 2008, 2008, 079-079.	4.7	24
47	Soft SUSY breaking grand unification: Leptons vs quarks on the flavor playground. Nuclear Physics B, 2007, 783, 112-142.	2.5	87
48	Analysis of enhancedÎ²effects in minimal flavor violation GUT scenarios. Physical Review D, 2006, 74, .	4.7	31
49	Invariant approach to flavour-dependent CP-violating phases in the MSSM. Journal of High Energy Physics, 2006, 2006, 106-106.	4.7	15
50	Flavour Physics and Grand Unification. Les Houches Summer School Proceedings, 2006, 84, 1-78.	0.2	1
51	Flavor dependence ofCPasymmetries and thermal leptogenesis with strong right-handed neutrino mass hierarchy. Physical Review D, 2006, 73, .	4.7	113
52	and. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 526.	0.4	0
53	Flavour and CPV in SUSYGUTs: Prospects of Observability. AIP Conference Proceedings, 2005, , .	0.4	0
54	KÃhler corrections and softly broken family symmetries. Journal of High Energy Physics, 2005, 2005, 049-049.	4.7	35

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55	Grand Unification of Quark and Lepton Flavor Changing Neutral Currents. Physical Review Letters, 2004, 92, 071801.	7.8	49
56	SUSY Seesaw and FCNC. Nuclear Physics, Section B, Proceedings Supplements, 2004, 137, 156-168.	0.4	7
57	Spontaneous CP violation and non-Abelian family symmetry in SUSY. Nuclear Physics B, 2004, 692, 50-82.	2.5	101
58	Massive neutrinos and flavour violation. New Journal of Physics, 2004, 6, 202-202.	2.9	92
59	SPONTANEOUS CP IN A SUSY THEORY OF FLAVOUR. , 2004, , .		0
60	Supersymmetry breaking and the SUSY flavour problem. Nuclear Physics, Section B, Proceedings Supplements, 2003, 117, 717-719.	0.4	0
61	See-saw and lepton flavour violation in SUSYÂSO(10). Nuclear Physics B, 2003, 649, 189-204.	2.5	107
62	Yukawa structure, flavor changing, andCPviolation in supergravity. Physical Review D, 2003, 67, .	4.7	45
63	The Flavour and CP Problems in SUSY. Lecture Notes in Physics, 2003, , 93-105.	0.7	4
64	Supersymmetry breaking and the SUSY flavour problem. , 2003, , 717-719.		0
65	TOPICS IN SUSY FLAVOR PHYSICS. , 2003, , .		0
66	Flavour andCPviolation in supersymmetry. New Journal of Physics, 2002, 4, 4-4.	2.9	27
67	CP violation in realistic string models with family universal anomalous U(1). Nuclear Physics B, 2002, 641, 93-110.	2.5	8
68	Constraining models with vector-like fermions from FCNC in K and B physics. Nuclear Physics B, 2001, 613, 285-305.	2.5	61
69	Restricted flavor structure of soft SUSY breaking trilinear couplings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 506, 323-330.	4.1	25
70	CP violation in SUSY. Nuclear Physics, Section B, Proceedings Supplements, 2001, 99, 228-237.	0.4	3
71	CP violation in low energy SUSY. Nuclear Physics, Section B, Proceedings Supplements, 2001, 101, 253-262.	0.4	4
72	NEWPHYSICS INCPVIOLATIONEXPERIMENTS. Annual Review of Nuclear and Particle Science, 2001, 51, 161-187.	10.2	29

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73	CPViolation and Flavor Changing Effects inKandBMesons from Nonuniversal Soft Breaking Terms. Physical Review Letters, 2001, 86, 26-29.	7.8	29
74	Supersymmetric origin of a lowaJ/Î^CPasymmetry. Physical Review D, 2001, 64, .	4.7	10
75	Tree-level flavor-changing neutral currents in theBsystem: FromCPasymmetries to rare decays. Physical Review D, 2001, 64, .	4.7	30
76	General flavor blind minimal supersymmetric standard model andCPviolation. Physical Review D, 2001, 64, .	4.7	69
77	b â†' sÎ³ and CP violation in the MSSM. Nuclear Physics, Section B, Proceedings Supplements, 2000, 81, 214-218.	0.4	1
78	CP violation as a probe of flavor origin in supersymmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 230-234.	4.1	36
79	CPconserving constraints on supersymmetricCPviolation in the MSSM. Physical Review D, 2000, 61, .	4.7	36
80	EDM-free supersymmetric CP violation with non-universal soft terms. Nuclear Physics B, 2000, 580, 275-288.	2.5	52
81	Fully SupersymmetricCPViolation inKandBSystems. Physical Review Letters, 1999, 82, 2447-2450.	7.8	29
82	How sensitive to FCNC can B0 CP asymmetries be?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 422, 277-286.	4.1	40
83	Î³-Z interferometry at a Î¦-factory. Nuclear Physics B, 1996, 472, 659-680.	2.5	3
84	Left-Handed Neutrino Disappearance Probe of Neutrino Mass and Character. Physical Review Letters, 1996, 77, 3299-3302.	7.8	13
85	Motion of an electric charge in a terrestrial laboratory. Physical Review D, 1995, 52, 1302-1304.	4.7	2
86	Measuring lepton flavor violation at LHC with a long-lived slepton in the coannihilation region. , 0, .		1