

Jorge C. Romao

List of Publications by Year in descending order

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119
papers

3,362
citations

159525

30
h-index

161767

54
g-index

122
all docs

122
docs citations

122
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	Supersymmetric SO(10) Seesaw Mechanism with Low \tilde{M} Scale. Physical Review Letters, 2005, 95, 161801.	2.9	286
2	Neutrino masses and mixings from supersymmetry with bilinear R-parity violation: A theory for solar and atmospheric neutrino oscillations. Physical Review D, 2000, 62, .	1.6	251
3	Solar neutrino masses and mixing from bilinear R-parity broken supersymmetry: Analytical versus numerical results. Physical Review D, 2003, 68, .	1.6	113
4	Minimal supergravity with R-parity breaking. Nuclear Physics B, 1998, 524, 23-40.	0.9	110
5	Phenomenological tests of supersymmetric A4 family symmetry model of neutrino mass. Physical Review D, 2004, 69, .	1.6	109
6	Testing neutrino mixing at future collider experiments. Physical Review D, 2001, 63, .	1.6	107
7	The Hunt for New Physics at the Large Hadron Collider. Nuclear Physics, Section B, Proceedings Supplements, 2010, 200-202, 185-417.	0.5	104
8	How to spontaneously break R parity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 288, 311-320.	1.5	102
9	Neutrino masses in supersymmetry with spontaneously broken R-parity. Nuclear Physics B, 1992, 381, 87-108.	0.9	94
10	Supersymmetric solution to the solar and atmospheric neutrino problems. Physical Review D, 2000, 61, .	1.6	92
11	Minimal Supergravity Scalar Neutrino Dark Matter and Inverse Seesaw Neutrino Masses. Physical Review Letters, 2008, 101, 161802.	2.9	82
12	Higgs production at e^+e^- colliders. Nuclear Physics B, 1986, 267, 509-530.	0.9	61
13	$h \rightarrow Z \tilde{\chi}^0 \tilde{\chi}^0$ in the complex two Higgs doublet model. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
14	Spontaneous CP violation in SUSY models: A No-Go theorem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 173, 309-312.	1.5	55
15	New Higgs signatures in supersymmetry with spontaneous broken R parity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 292, 329-336.	1.5	53
16	Supersymmetric unification with radiative breaking of R-parity. Physical Review D, 1997, 55, 427-430.	1.6	47
17	Supersymmetry phenomenology with spontaneous R parity breaking in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 251, 142-149.	1.5	46
18	Minimal supersymmetric inverse seesaw: neutrino masses, lepton flavour violation and LHC phenomenology. Journal of High Energy Physics, 2010, 2010, 1.	1.6	45

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19	Supersymmetric signals in muon and tau decays. Nuclear Physics B, 1991, 363, 369-384.	0.9	44
20	Probing neutrino properties with charged scalar lepton decays. Physical Review D, 2002, 66, .	1.6	42
21	The C2HDM revisited. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
22	Minimal supergravity radiative effects on the tribimaximal neutrino mixing pattern. Physical Review D, 2007, 75, .	1.6	37
23	Multi-Higgs doublet models: physical parametrization, sum rules and unitarity bounds. Journal of High Energy Physics, 2017, 2017, 1.	1.6	37
24	A RESOURCE FOR SIGNS AND FEYNMAN DIAGRAMS OF THE STANDARD MODEL. International Journal of Modern Physics A, 2012, 27, 1230025.	0.5	36
25	Gauge and Yukawa unification with broken R-parity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 453, 263-268.	1.5	34
26	Flavour violation at the LHC: type-I versus type-II seesaw in minimal supergravity. Journal of High Energy Physics, 2009, 2009, 003-003.	1.6	34
27	Higgs EFT for 2HDM and beyond. European Physical Journal C, 2017, 77, 176.	1.4	34
28	Probing minimal supergravity in the type-I seesaw mechanism with lepton flavor violation at the CERN LHC. Physical Review D, 2008, 78, .	1.6	33
29	Flavour violation in supersymmetric theories. Nuclear Physics B, 1985, 250, 295-311.	0.9	30
30	Large pseudoscalar Yukawa couplings in the complex 2HDM. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
31	LHC-scale left-right symmetry and unification. Physical Review D, 2014, 89, .	1.6	28
32	Model-independent Higgs boson mass limits at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 312, 240-246.	1.5	27
33	Unified superconformal gauge theories. Nuclear Physics B, 1977, 126, 429-435.	0.9	26
34	Can solar neutrino oscillation parameters be probed at LEP?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 272, 436-442.	1.5	25
35	Primordial nucleosynthesis, majorons and heavy tau neutrinos. Nuclear Physics B, 1997, 496, 24-40.	0.9	25
36	$A_{\nu}^2 < 4$ -based neutrino masses with Majoron decaying dark matter. Physical Review D, 2010, 82, .	1.6	25

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37	Spontaneous R-parity breaking at hadron supercolliders. Nuclear Physics B, 1993, 391, 100-126.	0.9	23
38	Invisible Higgs boson decays in spontaneously broken R-parity. Physical Review D, 2004, 70, .	1.6	23
39	Neutrino mass and invisible Higgs decays at the LHC. Physical Review D, 2015, 91, .	1.6	23
40	Charged lepton flavor violation in supersymmetry with bilinear R-parity violation. Physical Review D, 2002, 65, .	1.6	22
41	Interplay of LFV and slepton mass splittings at the LHC as a probe of the SUSY seesaw. Journal of High Energy Physics, 2010, 2010, 1.	1.6	22
42	Reappraisal of the wrong-sign $h \rightarrow b \bar{b}$ coupling and the study of $h \rightarrow Z \tau^+ \tau^-$. Physical Review D, 2010, 2010, 1.	1.6	22
43	$e^+ e^- \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ + missing neutrals: Neutrino versus photino production. Physical Review D, 1986, 33, 1488-1491.	1.6	21
44	LEP sensitivities to spontaneous R-parity violating signals. Nuclear Physics B, 1996, 482, 3-23.	0.9	21
45	Tau flavour violation in sparticle decays at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 618, 162-170.	1.5	21
46	Spontaneous CP violation in non-minimal supersymmetric models. Journal of High Energy Physics, 2003, 2003, 020-020.	1.6	20
47	Supersymmetric type-III seesaw mechanism: Lepton flavor violating decays and dark matter. Physical Review D, 2011, 83, .	1.6	20
48	Dark matter and LHC phenomenology in a left-right supersymmetric model. Journal of High Energy Physics, 2012, 2012, 1.	1.6	20
49	Neutrino mixing with revamped A4 flavor symmetry. Physical Review D, 2013, 88, .	1.6	20
50	Flavor-conserving CP phases in supersymmetry and implications for exclusive B decays. Physical Review D, 2000, 62, .	1.6	19
51	LHC and lepton flavour violation phenomenology of a left-right extension of the MSSM. Journal of High Energy Physics, 2010, 2010, 1.	1.6	19
52	Electroweak breaking and neutrino mass: $\tilde{\chi}^0$ Higgs decays at the LHC (type II seesaw). New Journal of Physics, 2016, 18, 033033.	1.2	19
53	Spontaneous CP violation in the next-to-minimal supersymmetric standard model revisited. Journal of High Energy Physics, 2001, 2001, 027-027.	1.6	18
54	Unification of gauge couplings and the tau-neutrino mass in supergravity without R parity. Nuclear Physics B, 2000, 590, 3-18.	0.9	17

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55	Undoubtable signs of CP-violation in Higgs boson decays at the LHC run 2. Physical Review D, 2015, 92, .	1.6	17
56	Constraining wrong-sign $h \rightarrow b\bar{b}$ couplings with $h \rightarrow b\bar{b}\gamma$ couplings with $\hat{\alpha}'$. Physical Review D, 2016, 94, .	1.6	17
57	Basis-independent treatment of the complex 2HDM. Physical Review D, 2020, 101, .	1.6	17
58	Bilinear R-parity violating SUSY: neutrinoless double beta decay in the light of solar and atmospheric neutrino data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 486, 255-262.	1.5	16
59	Production and decays of supersymmetric Higgs bosons in spontaneously broken R-parity. Physical Review D, 2006, 73, .	1.6	16
60	Single photon decays of the Z0 and SUSY with spontaneously broken R-parity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 351, 497-503.	1.5	15
61	Neutralino phenomenology at LEP2 in supersymmetry with bilinear breaking of R-parity. Nuclear Physics B, 2001, 600, 39-61.	0.9	15
62	Order \hat{t}^2 terms in the gravitational sector of string effective actions with the inclusion of the dilaton field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 218, 162-168.	1.5	14
63	DETECTION OF INTERMEDIATE MASS HIGGS BOSONS FROM SPONTANEOUSLY BROKEN R-PARITY SUPERSYMMETRY. Modern Physics Letters A, 1994, 09, 817-827.	0.5	13
64	Probing the supersymmetric type III seesaw: LFV at low-energies and at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	13
65	Lepton flavour violation: physics potential of a Linear Collider. Journal of High Energy Physics, 2012, 2012, 1.	1.6	13
66	FeynMaster: A plethora of Feynman tools. Computer Physics Communications, 2020, 256, 107311.	3.0	13
67	On the phenomenology of the pomeron. Nuclear Physics B, 1977, 121, 413-420.	0.9	12
68	Higgs production at e^+e^- colliders. Nuclear Physics B, 1986, 272, 693-700.	0.9	12
69	Thermal leptogenesis in extended supersymmetric seesaw model. Physical Review D, 2007, 75, .	1.6	12
70	Multi-Higgs doublet models: the Higgs-fermion couplings and their sum rules. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
71	Leaks of CP violation in the real two-Higgs-doublet model. European Physical Journal C, 2021, 81, 1.	1.4	12
72	Dark matter in minimal supergravity with type-II seesaw mechanism. Physical Review D, 2009, 80, .	1.6	11

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73	CP violation in 2HDM and EFT: the ZZZ vertex. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
74	Geometry of superspace constraints. Nuclear Physics B, 1981, 182, 45-51.	0.9	10
75	Renormalization of the electroweak theory in the nonlinear gauge. Physical Review D, 1987, 35, 2836-2842.	1.6	10
76	Order $\hat{1}\hat{2}$ equivalence of the string equations of motion and the \hat{f} -model weyl invariance conditions. Dependence on the dilaton field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 220, 113-120.	1.5	10
77	Nondecoupling in multi-Higgs doublet models. European Physical Journal C, 2020, 80, 1.	1.4	10
78	Gauge symmetry breaking in compact multiply connected manifolds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 206, 491-494.	1.5	9
79	Conformal and superconformal gravity and non-linear representations. Nuclear Physics B, 1978, 145, 535-546.	0.9	8
80	$e + e \hat{a} \hat{a}^{\dagger} W \hat{a}^{\dagger} e + \nu$ and non-standard gauge couplings: Another look. Zeitschrift für Physik C-Particles and Fields, 1989, 42, 263-270.	1.5	8
81	On the interdependence of the structure of string effective actions at different orders in $\hat{1}\hat{2}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 401-406.	1.5	8
82	$e + e \hat{a} \hat{a}^{\dagger} \hat{1}^3 + X$ in majoron models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 234, 371-374.	1.5	8
83	Supersymmetric S/O 10 (stretch="false")		
84	Higgs production with polarized $e + e \hat{a}^{\dagger}$ beams. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 195-199.	1.5	7
85	Neutrino masses from broken R-parity. Nuclear Physics, Section B, Proceedings Supplements, 2000, 81, 231-241.	0.5	7
86	Revisiting the $\hat{1}^{\dagger}(K \hat{a}^{\dagger} e \hat{1}^{\dagger}) / \hat{1}^{\dagger}(K \hat{a}^{\dagger} \hat{1}^{\dagger} \hat{1}^{\dagger})$ ratio in supersymmetric unified models. European Physical Journal C, 2012, 172, 1.	1.7	7
87	Electroweak breaking and Higgs boson profile in the simplest linear seesaw model. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
88	Symmetry and decoupling in multi-Higgs boson models. Physical Review D, 2021, 103, .	1.6	7
89	Renormalization of the C2HDM with FeynMaster 2. Journal of High Energy Physics, 2021, 2021, 1.	1.6	7
90	Current bounds on the type-Z Z_3 three-Higgs-doublet model. Physical Review D, 2021, 104, .	1.6	7

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91	Electromagnetic properties of the Z boson. Zeitschrift für Physik C-Particles and Fields, 1986, 33, 243-246.	1.5	6
92	Spontaneous CP violation in a SUSY model with a complex CKM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 639, 661-666.	1.5	6
93	Dynamical inverse seesaw mechanism as a simple benchmark for electroweak breaking and Higgs boson studies. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
94	The vacuum of supersymmetric SU(3) \times SU(2) \times U(1). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 158, 51-54.	1.5	5
95	: The importance of an exact calculation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 194, 440-446.	1.5	5
96	EQUIVALENCE OF THE STRING EQUATIONS OF MOTION AND THE \tilde{f} -MODEL WEYL-INVARIANCE CONDITIONS AT ORDER \hat{g}^2 : DEPENDENCE ON THE DILATON FIELD. International Journal of Modern Physics A, 1991, 06, 5099-5125.	0.5	5
97	Redox chemistry of low-pH forms of tetrahemic cytochrome c3. Journal of Inorganic Biochemistry, 2006, 100, 2009-2016.	1.5	5
98	Fermion masses, leptogenesis, and supersymmetric SO(10) unification. Physical Review D, 2008, 77, .	1.6	5
99	Neutrino counting and a composite Z-boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 196, 547-550.	1.5	4
100	Initial-final state interference in $e^+e^- \rightarrow \gamma^* \rightarrow H^{1/4} + \bar{H}^{1/4} \gamma^*$. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 757-762.	1.5	4
101	Charge Breaking Minima in the Broken R-parity Minimal Supersymmetric Standard Model. Journal of High Energy Physics, 2005, 2005, 020-020.	1.6	3
102	Vector boson decays of the Higgs boson. European Physical Journal C, 1999, 7, 631.	1.4	3
103	Single-photon Z decays and small neutrino masses. Nuclear Physics B, 1997, 493, 56-72.	0.9	2
104	One-loop corrections to the $Z \rightarrow b\bar{b}$ vertex in models with scalar doublets and singlets. Nuclear Physics B, 2020, 958, 115131.	0.9	2
105	Off diagonal charged scalar couplings with the Z boson: Zee-type models as an example. European Physical Journal C, 2021, 81, 1.	1.4	2
106	Phenomenology of supersymmetric theories with and without R-parity. Nuclear Physics, Section B, Proceedings Supplements, 2001, 95, 243-251.	0.5	1
107	The sensitivity of cosmic ray air shower experiments for excited lepton and leptoquark detection. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 609-628.	1.4	1
108	Probing Wrong-Sign hbb Couplings in $h \rightarrow \gamma \gamma$. Springer Proceedings in Physics, 2018, , 873-875.	0.1	1

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109	Algorithms for multidimensional numerical integration with singularities. Computer Journal, 1978, 21, 355-358.	1.5	0
110	Superplane integrability and three dimensional supergravity. Zeitschrift für Physik C-Particles and Fields, 1981, 10, 17-21.	1.5	0
111	Intermediate 16+16 multiplets in N=1 supergravity. Zeitschrift für Physik C-Particles and Fields, 1986, 31, 245-248.	1.5	0
112	Supersymmetry versus experiment. Nuclear Physics, Section B, Proceedings Supplements, 1989, 11, 99-117.	0.5	0
113	Can solar neutrino oscillation parameters be probed at accelerators?. Nuclear Physics, Section B, Proceedings Supplements, 1993, 31, 245-247.	0.5	0
114	Invisible Higgs bosons at present and future colliders. Nuclear Physics, Section B, Proceedings Supplements, 1995, 37, 135-143.	0.5	0
115	Phenomenology of LFV at low-energies and at the LHC: strategies to probe the SUSY seesaw. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 50-55.	0.5	0
116	Potential of a linear collider for lepton flavour violation studies in the susy seesaw. Journal of Physics: Conference Series, 2013, 447, 012035.	0.3	0
117	Solving the Solar and Atmospheric Neutrino Problems with Supersymmetry. , 2001, , 89-100.		0
118	TESTING NEUTRINO PARAMETERS AT FUTURE ACCELERATORS. , 2003, , .		0
119	The one-loop impact of a dependent mass: the role of m_3 in the C2HDM. Journal of High Energy Physics, 2022, 2022, 1.	1.6	0