

João P Silva

List of Publications by Year in descending order

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86
papers

4,075
citations

159585

30
h-index

118850

62
g-index

88
all docs

88
docs citations

88
times ranked

6192
citing authors

#	ARTICLE	IF	CITATIONS
1	A fully basis invariant symmetry map of the 2HDM. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	0
2	Symmetry and decoupling in multi-Higgs boson models. <i>Physical Review D</i> , 2021, 103, .	4.7	7
3	Exceptional regions of the 2HDM parameter space. <i>Physical Review D</i> , 2021, 103, .	4.7	5
4	Leaks of CP violation in the real two-Higgs-doublet model. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	12
5	Current bounds on the type-Z Z^3 three-Higgs-doublet model. <i>Physical Review D</i> , 2021, 104, .	4.7	7
6	Off diagonal charged scalar couplings with the Z boson: Zee-type models as an example. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	2
7	One-loop corrections to the $Zb\bar{b}$ vertex in models with scalar doublets and singlets. <i>Nuclear Physics B</i> , 2020, 950, 115121.	2.5	2
8	Basis-independent treatment of the complex 2HDM. <i>Physical Review D</i> , 2020, 101, .	4.7	17
9	Nondecoupling in multi-Higgs doublet models. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	10
10	Basis-invariant conditions for CP symmetry of order four. <i>Physical Review D</i> , 2019, 99, .	4.7	9
11	The C2HDM revisited. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	42
12	Multi-Higgs doublet models: the Higgs-fermion couplings and their sum rules. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	12
13	Symmetry constrained two Higgs doublet models. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	10
14	CP violation in 2HDM and EFT: the ZZZ vertex. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	11
15	Probing Wrong-Sign hbb Couplings in $\Upsilon \rightarrow \Upsilon \gamma$. <i>Springer Proceedings in Physics</i> , 2018, , 873-875.	0.2	1
16	Multi-Higgs doublet models: physical parametrization, sum rules and unitarity bounds. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	37
17	Higgs EFT for 2HDM and beyond. <i>European Physical Journal C</i> , 2017, 77, 176.	3.9	34
18	CP -conserving multi-Higgs model with irremovable complex coefficients. <i>Physical Review D</i> , 2016, 93, .	4.7	32

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19	Two Higgs doublet models with an S^3 symmetry. Physical Review D, 2016, 93.	4.7	12
20	Constraining wrong-sign $hb\bar{b}$ couplings with $h\hat{\tau}^3$. Physical Review D, 2016, 94, .	4.7	17
21	Undoubtable signs of CP-violation in Higgs boson decays at the LHC run 2. Physical Review D, 2015, 92, .	4.7	17
22	Self-cancellation of a scalar in neutral meson mixing and implications for the LHC. Physical Review D, 2015, 92, .	4.7	12
23	Tree-level metastability bounds for the most general two Higgs doublet model. Physical Review D, 2015, 92, .	4.7	40
24	Large pseudoscalar Yukawa couplings in the complex 2HDM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
25	Reappraisal of the wrong-sign $hb\bar{b}$ coupling and the study of $h\hat{\tau}^3$. Physical Review D, 2014, 2014, 1.	4.7	22
26	$h\hat{\tau}^3$ in the complex two Higgs doublet model. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
27	Constraining multi-Higgs flavour models. European Physical Journal C, 2014, 74, 1.	3.9	22
28	Evading death by vacuum. European Physical Journal C, 2013, 73, 1.	3.9	33
29	Baryogenesis through split Higgsogenesis. Journal of High Energy Physics, 2013, 2013, 1.	4.7	5
30	Mutual inductance between piecewise-linear loops. American Journal of Physics, 2013, 81, 829-835.	0.7	0
31	Mass-degenerate Higgs bosons at 125 GeV in the two-Higgs-doublet model. Physical Review D, 2013, 87, .	4.7	35
32	Neutrino masses and mixing in A^4 models with three Higgs doublets. Physical Review D, 2013, 88, .	4.7	35
33	Neutrino masses and mixing in A^4 or S^4 models. Physical Review D, 2013, 87, .	4.7	35
34	Avoiding Death by Vacuum. Journal of Physics: Conference Series, 2013, 447, 012051.	0.4	3
35	DISCRETE 2012 – Third Symposium on Prospects in the Physics of Discrete Symmetries. Journal of Physics: Conference Series, 2013, 447, 011001.	0.4	0
36	Probing the scalar-pseudoscalar mixing in the 125 GeV Higgs particle with current data. Physical Review D, 2012, 86, .	4.7	39

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37	Could the LHC two-photon signal correspond to the heavier scalar in two-Higgs-doublet models?. Physical Review D, 2012, 85, .	4.7	36
38	Implications of the LHC two-photon signal for two-Higgs-doublet models. Physical Review D, 2012, 85, .	4.7	39
39	Theory and phenomenology of two-Higgs-doublet models. Physics Reports, 2012, 516, 1-102.	25.6	1,725
40	A RESOURCE FOR SIGNS AND FEYNMAN DIAGRAMS OF THE STANDARD MODEL. International Journal of Modern Physics A, 2012, 27, 1230025.	1.5	36
41	Abelian symmetries in the two-Higgs-doublet model with fermions. Physical Review D, 2011, 83, .	4.7	28
42	THE GEOMETRIC PICTURE OF GENERALIZED-CP AND HIGGS-FAMILY TRANSFORMATIONS IN THE TWO-HIGGS-DOUBLET MODEL. International Journal of Modern Physics A, 2011, 26, 769-808.	1.5	50
43	A soft origin for CKM-type CP violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 179-188.	4.1	6
44	A two-Higgs doublet model with remarkable CP properties. European Physical Journal C, 2010, 69, 45-52.	3.9	32
45	CP properties of symmetry-constrained two-Higgs-doublet models. Journal of High Energy Physics, 2010, 2010, 1.	4.7	23
46	Renormalization-group constraints on Yukawa alignment in multi-Higgs-doublet models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 341-344.	4.1	66
47	Basis invariant conditions for supersymmetry in the two-Higgs-doublet model. Physical Review D, 2010, 82, .	4.7	6
48	Generalized C and P symmetries and special regions of parameter space in the two-Higgs-doublet model. Physical Review D, 2009, 79, .	4.7	60
49	Discrete and continuous symmetries in multi-Higgs-doublet models. Physical Review D, 2008, 78, .	4.7	33
50	Surprises of the transformer as a coupled oscillator system. European Journal of Physics, 2008, 29, 413-420.	0.6	2
51	On the relation between angular momentum and angular velocity. American Journal of Physics, 2007, 75, 53-55.	0.7	3
52	CP VIOLATION. International Journal of Modern Physics A, 2007, 22, 4989-4997.	1.5	1
53	Looking for $I=5/2$ amplitude components in $B \rightarrow \pi \pi$ experiments. Physical Review D, 2006, 73, .	4.7	6
54	Stability of the normal vacuum in multi-Higgs-doublet models. Physical Review D, 2006, 74, .	4.7	39

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55	Comparing a current-carrying circular wire with polygons of equal perimeter: magnetic field versus magnetic flux. <i>European Journal of Physics</i> , 2005, 26, 783-790.	0.6	3
56	Reparametrization invariance of Bdecay amplitudes and implications for new physics searches in Bdecays. <i>Physical Review D</i> , 2005, 71, .	4.7	24
57	Measurements of new physics in $B \rightarrow \pi \ell \bar{\ell}$ decays. <i>Physical Review D</i> , 2005, 72, .	4.7	11
58	Can one detect new physics in $I=0$ and/or $I=2$ contributions to the decays $B \rightarrow \pi \ell \bar{\ell}$. <i>Physical Review D</i> , 2005, 72, .	4.7	14
59	Magnetic Forces Acting on Rigid Current-Carrying Wires Placed in a Uniform Magnetic Field. <i>Physics Teacher</i> , 2004, 42, 161-163.	0.3	1
60	Bounds on $\hat{\Gamma}^3$ from CP violation measurements in $B \rightarrow \pi \ell \bar{\ell}$ and $B \rightarrow \pi K S$. <i>Physical Review D</i> , 2004, 70, .	4.7	2
61	What can we learn from a measurement of $\sin(2\hat{\Gamma}^2 + \hat{\Gamma}^3)$? <i>Physical Review D</i> , 2003, 67, .	4.7	4
62	Implications of the possibility that $\sin 2\hat{\Gamma}^2$ is small. <i>Physical Review D</i> , 2001, 63, .	4.7	16
63	Matter effects in the $D_0 \rightarrow D_0^*$ system. <i>Physical Review D</i> , 2000, 63, .	4.7	2
64	Use of early data on $B \rightarrow \pi \ell \bar{\ell}$ decays. <i>Physical Review D</i> , 2000, 62, .	4.7	46
65	Qualitative signals of new physics in $B \rightarrow B^*$ mixing. <i>Physical Review D</i> , 2000, 62, .	4.7	5
66	Using Kaon Regeneration to Probe the Quark Mixing Parameter $\cos 2\hat{\Gamma}^2$ in $B \rightarrow \pi K$ Decays. <i>Physical Review Letters</i> , 2000, 85, 5284-5287.	7.8	20
67	Impact of $D_0 \rightarrow D_0^*$ mixing on the experimental determination of $\hat{\Gamma}^3$. <i>Physical Review D</i> , 2000, 61, .	4.7	46
68	Use of the reciprocal basis in neutral meson mixing. <i>Physical Review D</i> , 2000, 62, .	4.7	12
69	Tilted boxes on inclined planes. <i>American Journal of Physics</i> , 2000, 68, 1042-1049.	0.7	2
70	New CP-violating parameters in cascade decays. <i>Physical Review D</i> , 1999, 59, .	4.7	24
71	Disentangling violations of CPT from other new-physics effects. <i>Physical Review D</i> , 1999, 60, .	4.7	14
72	Detecting New Physics Contributions to the $D_0 \rightarrow D_0^*$ Mixing through Their Effects on B Decays. <i>Physical Review Letters</i> , 1998, 81, 1377-1380.	7.8	25

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73	Probing CP violation with time integrated decay rates into non-CP eigenstates. Physical Review D, 1998, 58, .	4.7	1
74	Detecting new physics from CP-violating phase measurements in B decays. Physical Review D, 1997, 55, 5331-5333.	4.7	60
75	Weak magnetic dipole moments in two-Higgs-doublet models. Physical Review D, 1996, 53, 5222-5232.	4.7	28
76	Decoupling or nondecoupling: Is that the R question?. Physical Review D, 1996, 54, 1176-1181.	4.7	5
77	Constraining new interactions with leptonic $\tilde{\tau}$, decays. Physical Review D, 1995, 52, 4006-4018.	4.7	24
78	Jarlskog-like invariants for theories with scalars and fermions. Physical Review D, 1995, 51, 3870-3875.	4.7	189
79	A note on thermal activation. Nuclear Physics B, 1995, 441, 595-608.	2.5	8
80	Fundamental CP-violating quantities in an SU(2) \times U(1) model with many Higgs doublets. Physical Review D, 1994, 50, 4619-4624.	4.7	156
81	Approximate flavor symmetries in the lepton sector. Physical Review D, 1994, 49, R20-R23.	4.7	10
82	Natural masslessness conservation for neutrinos in two-Higgs-doublet models. Physical Review D, 1994, 50, 4581-4588.	4.7	6
83	Remarks on "Neutrino masses and mixing angles in a predictive theory of fermion masses". Physical Review D, 1994, 49, 3783-3786.	4.7	0
84	Determining the penguin effect on CP violation in $B \rightarrow \tau^+ \tau^-$. Physical Review D, 1994, 49, R1151-R1155.	4.7	67
85	Bounds on the mixing of the down-type quarks with vectorlike singlet quarks. Physical Review D, 1993, 47, 1117-1126.	4.7	48
86	Oblique corrections from vectorlike singlet and doublet quarks. Physical Review D, 1993, 47, 2046-2057.	4.7	158