

# German Valencia

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71  
papers

1,674  
citations

21  
h-index

39  
g-index

76  
ext. papers

1,771  
ext. citations

4.6  
avg, IF

5.02  
L-index

#	Paper	IF	Citations
71	Spectrum of QCD and chiral Lagrangians of the strong and weak interactions. <i>Physical Review D</i> , <b>1989</b> , 39, 1947-1955	4.9	185
70	Structure-function approach to vector-boson scattering in pp collisions. <i>Physical Review Letters</i> , <b>1992</b> , 69, 3274-3277	7.4	184
69	Renormalization-group-improved unitarity bounds on the Higgs-boson and top-quark masses. <i>Physical Review D</i> , <b>1989</b> , 40, 1725-1729	4.9	90
68	Angular correlations in the decay $B \rightarrow VV$ and CP violation. <i>Physical Review D</i> , <b>1989</b> , 39, 3339-3345	4.9	89
67	Searching for CP nonconservation in jet physics. <i>Physical Review Letters</i> , <b>1987</b> , 58, 451-454	7.4	77
66	Quark-lepton unification and rare meson decays. <i>Physical Review D</i> , <b>1994</b> , 50, 6843-6848	4.9	68
65	SURVEY OF PRESENT AND FUTURE TESTS OF CP VIOLATION. <i>International Journal of Modern Physics A</i> , <b>1987</b> , 02, 319-383	1.2	65
64	Lepton universality violation and right-handed currents in $b \rightarrow c$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 52-57	4.2	64
63	$Z'$ model for $b \rightarrow s$ flavor anomalies. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	57
62	$\pi - \pi$ scattering and chiral Lagrangians. <i>Physical Review D</i> , <b>1988</b> , 38, 2195-2201	4.9	55
61	$KL \rightarrow \pi^0 e^+ e^-$ as a probe of CP violation. <i>Physical Review D</i> , <b>1987</b> , 35, 2769-2775	4.9	52
60	B decays with leptons in nonuniversal left-right models. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	49
59	An extended scalar sector to address the tension between a fourth generation and Higgs searches at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 381-384	4.2	38
58	$D^0$ dimuon asymmetry in $B_s B_s$ mixing and constraints on new physics. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	29
57	Triple-product correlations in semileptonic decays. <i>Physical Review D</i> , <b>1989</b> , 40, 112-118	4.9	29
56	$\gamma \gamma \rightarrow \pi^0 \pi^0$ and $KL \rightarrow \pi^0 \gamma \gamma$ in the chiral quark model. <i>Physical Review D</i> , <b>1991</b> , 44, 3555-3561	4.9	28
55	Unitarity and vacuum stability constraints on the couplings of color octet scalars. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	24

54	Searching for CP Nonconservation in Jet Physics. <i>Physical Review Letters</i> , <b>1988</b> , 60, 243-243	7.4	23
53	CP violation in $KL \rightarrow \pi^+ \pi^- \gamma$ . <i>Physical Review D</i> , <b>1988</b> , 37, 143-148	4.9	23
52	Heavy-Higgs-boson resonance. <i>Physical Review D</i> , <b>1992</b> , 46, 2247-2251	4.9	22
51	Goldstone-boson equivalence theorem and the Higgs resonance. <i>Physical Review D</i> , <b>1990</b> , 42, 853-859	4.9	22
50	CP violation in low energy pp reactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1986</b> , 178, 319-323	4.2	21
49	Constraints on anomalous color dipole operators from Higgs boson production at the LHC. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	19
48	Color-octet scalars and potentially large CP violation at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	18
47	Testing electroweak symmetry breaking through gluon fusion at pp colliders. <i>Physical Review Letters</i> , <b>1991</b> , 67, 2256-2259	7.4	18
46	LHC constraints on color octet scalars. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	17
45	Limits on nonstandard top quark couplings from electroweak measurements. <i>Physical Review D</i> , <b>1996</b> , 53, 1721-1724	4.9	15
44	CP violation in $h \rightarrow \mu^+ \mu^-$ and LFV $h \rightarrow \mu^+ \tau^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 175-177	4.2	14
43	Signals for parity violation in the electroweak-symmetry-breaking sector. <i>Physical Review D</i> , <b>1994</b> , 49, 2188-2196	4.9	14
42	CP violation in $K \rightarrow 3\pi$ . <i>Physical Review D</i> , <b>1987</b> , 36, 798-808	4.9	13
41	Beyond $R(D^{(*)})$ with the general type-III 2HDM for $b \rightarrow c$ . <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	13
40	Interplay between new physics in one-loop Higgs couplings and the top-quark Yukawa coupling. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	11
39	Constraining lepton dipole moments and gluon couplings at the LHC. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	11
38	Penguin and box diagrams in unitary gauge. <i>European Physical Journal C</i> , <b>2009</b> , 64, 681-687	4.2	11
37	Two Higgs doublet models augmented by a scalar colour octet. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11

36	Constraints on new physics from $(K \rightarrow \pi \nu \bar{\nu})$ . <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	11
35	Top and bottom tensor couplings from a color octet scalar. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	10
34	Probing lepton gluonic couplings at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 95-98	4.2	10
33	Looking for CP violation in W production and decay. <i>Physical Review D</i> , <b>1995</b> , 52, 2717-2723	4.9	10
32	Search for anomalous couplings at e gamma colliders. <i>Physical Review D</i> , <b>1995</b> , 51, 5-14	4.9	10
31	Breaking the Grossman-Nir bound in kaon decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	10
30	Anatomy of a six-parameter fit to the $(b \rightarrow s \ell \ell)$ anomalies. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	9
29	CP violating anomalous couplings in $W$ and $Z$ production at the LHC. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	9
28	New four-quark $\Delta S=2$ local operator. <i>Physical Review D</i> , <b>1986</b> , 33, 1387-1390	4.9	9
27	Evading the Grossman-Nir bound with $\mathbb{P}=3/2$ new physics. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	9
26	Yukawa sector for lepton flavor violating in $h \rightarrow \tau \tau$ and CP violation in $h \rightarrow \tau \tau$ <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	9
25	Neutral-Higgs-boson contribution to the electric dipole moment of the neutron. <i>Physical Review D</i> , <b>1990</b> , 41, 1562-1567	4.9	8
24	Lepton-flavor-violating semileptonic $B$ decay and $K \rightarrow \pi$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134842	4.2	7
23	Spin correlations and new physics in $B$ lepton decays at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	7
22	T-odd correlations from the top-quark chromoelectric dipole moment in lepton plus jets top-pair events. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
21	Dynamical projections for the visualization of PDFSense data. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	6
20	A Slice Tour for Finding Hollowness in High-Dimensional Data. <i>Journal of Computational and Graphical Statistics</i> , <b>2020</b> , 29, 681-687	1.4	5
19	Charged-lepton-flavor violation in $ \mathbb{B}  = 1$ hyperon decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5

18	Study of anomalous couplings at a 500 GeV e+e- linear collider with polarized beams. <i>Physical Review D</i> , <b>1996</b> , 53, 4811-4821	4.9	5
17	Lepton-flavour-violating gluonic operators: constraints from the LHC and low energy experiments. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
16	Tau lepton charge asymmetry and new physics at the LHC. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	4
15	RK(?) and non-standard neutrino interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 821, 136607	4.2	4
14	Validity of two Higgs doublet models with a scalar color octet up to a high energy scale. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	3
13	LHC constraints on ( $W^{\prime}$ , $Z^{\prime}$ ) that couple mainly to third generation fermions. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
12	CP violating anomalous couplings in W jet production at the LHC. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	2
11	Top-quark forward-backward asymmetry from a color-octet t-channel resonance. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	2
10	Color-octet scalar decays to a gluon and an electroweak gauge boson in the Manohar-Wise model. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	2
9	Colour octet extension of 2HDM. <i>International Journal of Modern Physics A</i> , <b>2016</b> , 31, 1630033	1.2	2
8	Higgs production constraints on anomalous fermion couplings. <i>Nuclear and Particle Physics Proceedings</i> , <b>2016</b> , 273-275, 775-780	0.4	2
7	Decay rate and asymmetries of $\mu \rightarrow p \pi$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
6	Probing new physics with leptons at the LHC. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2014</b> , 253-255, 176-179		1
5	Flavor changing neutral currents and a $Z'$ . <i>Hyperfine Interactions</i> , <b>2013</b> , 214, 31-37	0.8	1
4	New Signatures For Top In Hadron Collider. <i>International Journal of Modern Physics A</i> , <b>2005</b> , 20, 3214-3217	1.7	1
3	$KL \rightarrow \mu^+ e^- \nu \bar{\nu}$ as a background to $KL \rightarrow \mu^+ e^- \nu \bar{\nu}$ . <i>Physical Review D</i> , <b>1993</b> , 48, 209-211	4.9	
2	Pandemonium: a clustering tool to partition parameter space application to the B anomalies. <i>European Physical Journal Plus</i> , <b>2022</b> , 137, 1	3.1	
1	Hole or Grain? A Section Pursuit Index for Finding Hidden Structure in Multiple Dimensions. <i>Journal of Computational and Graphical Statistics</i> , 1-26	1.4	

