

# Gino Isidori

## List of Publications by Year in descending order

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123  
papers

9,600  
citations

34105

52  
h-index

36028

97  
g-index

123  
all docs

123  
docs citations

123  
times ranked

6885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Higgs mass and vacuum stability in the Standard Model at NNLO. Journal of High Energy Physics, 2012, 2012, 1.	4.7	970
2	Higgs mass implications on the stability of the electroweak vacuum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 222-228.	4.1	419
3	On the metastability of the Standard Model vacuum. Nuclear Physics B, 2001, 609, 387-409.	2.5	361
4	On the standard model predictions for $R_K$ and $R_{K^*}$ . European Physical Journal C, 2016, 76, 1.	3.9	331
5	B-physics anomalies: a guide to combined explanations. Journal of High Energy Physics, 2017, 2017, 1.	4.7	305
6	Flavor physics of leptons and dipole moments. European Physical Journal C, 2008, 57, 13-182.	3.9	297
7	Flavor Physics Constraints for Physics Beyond the Standard Model. Annual Review of Nuclear and Particle Science, 2010, 60, 355-380.	10.2	266
8	Anomalies in B-decays and U(2) flavor symmetry. European Physical Journal C, 2016, 76, 1.	3.9	256
9	Minimal flavor violation in the lepton sector. Nuclear Physics B, 2005, 728, 121-134.	2.5	238
10	On the breaking of lepton flavor universality in B decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	219
11	A three-site gauge model for flavor hierarchies and flavor anomalies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 317-323.	4.1	212
12	Hints of large $\mu$ in B decays. Journal of High Energy Physics, 2018, 2018, 1.	4.1	195
13	Scalar flavour-changing neutral currents in the large- $\tan(\beta)$ limit. Journal of High Energy Physics, 2001, 2001, 001-001.	4.7	182
14	U(2) and minimal flavour violation in supersymmetry. European Physical Journal C, 2011, 71, 1.	3.9	177
15	An evaluation of $ V_{us} $ and precise tests of the Standard Model from world data on leptonic and semileptonic kaon decays. European Physical Journal C, 2010, 69, 399-424.	3.9	174
16	Flavour-changing decays of a 125 GeV Higgs-like particle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 386-390.	4.1	173
17	Flavor physics in the quark sector. Physics Reports, 2010, 494, 197-414.	25.6	164
18	On $R_{K^*}$ beyond lowest order in the operator product expansion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 309-313.	4.1	153

#	ARTICLE	IF	CITATIONS
19	On the Standard Model prediction for $B_{(s,d)} \rightarrow \mu^+ \mu^-$ . European Physical Journal C, 2012, 72, 1.	3.9	138
20	Phenomenology of nonstandard Z couplings in exclusive semileptonic $b \rightarrow s$ transitions. Physical Review D, 2000, 63, .	4.7	136
21	Higgs-mediated FCNCs: natural flavour conservation vs. minimal flavour violation. Journal of High Energy Physics, 2010, 2010, 1.	4.7	134
22	The decays $B \rightarrow \ell \ell$ beyond leading order in the chiral expansion. Journal of High Energy Physics, 1998, 1998, 004-004.	4.7	117
23	Lepton flavor non-universality in B decays from dynamical Yukawas. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 77-85.	4.1	115
24	Light-quark loops in. Nuclear Physics B, 2005, 718, 319-338.	2.5	113
25	Revisiting the vector leptoquark explanation of the B-physics anomalies. Journal of High Energy Physics, 2019, 2019, 1.	4.7	111
26	Constraints on new physics in MFV models: A model-independent analysis of $B \rightarrow \mu^+ \mu^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 770, 1-10.	2.5	110
27	On the short-distance constraints from $B \rightarrow \mu^+ \mu^-$ . Journal of High Energy Physics, 2004, 2004, 009-009.	4.7	106
28	Low-energy signatures of the PS3 model: from B-physics anomalies to LFV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	104
29	Gravitational corrections to standard model vacuum decay. Physical Review D, 2008, 77, .	4.7	101
30	Quark flavour mixing with right-handed currents: An effective theory approach. Nuclear Physics B, 2011, 843, 107-142.	2.5	94
31	Implications of the LHCb evidence for charm CP violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 46-51.	4.1	91
32	Supersymmetric contributions to rare kaon decays. Journal of High Energy Physics, 1998, 1998, 009-009.	4.7	86
33	Likelihood functions for supersymmetric observables in frequentist analyses of the CMSSM and NUHM1. European Physical Journal C, 2009, 64, 391-415.	3.9	83
34	Extracting short-distance physics from $B \rightarrow \mu^+ \mu^-$ decays. Nuclear Physics B, 2003, 672, 387-408.	2.5	80
35	CP VIOLATION IN KAON DECAYS. International Journal of Modern Physics A, 1998, 13, 1-93.	1.5	78
36	EDMs vs. CPV in $B \rightarrow \mu^+ \mu^-$ mixing in two Higgs doublet models with MFV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 402-409.	4.1	78

#	ARTICLE	IF	CITATIONS
37	Probing the nature of the Higgs-like boson via $h \rightarrow VV$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 131-135.	4.1	78
38	Predictions for supersymmetric particle masses using indirect experimental and cosmological constraints. Journal of High Energy Physics, 2008, 2008, 117-117.	4.7	77
39	CP asymmetry in $B \rightarrow K^* S$ Standard model pollution. Physical Review D, 1998, 58, .	4.7	76
40	Softened gravity and the extension of the standard model up to infinite energy. Journal of High Energy Physics, 2015, 2015, 1.	4.7	75
41	High- $p_T$ signatures in vector leptoquark models. European Physical Journal C, 2019, 79, 1.	3.9	75
42	Non-perturbative effects in for large dilepton invariant mass. Nuclear Physics B, 1998, 525, 333-349.	2.5	74
43	Exploring the flavour structure of the MSSM with rare $K$ decays. Journal of High Energy Physics, 2006, 2006, 064-064.	4.7	73
44	Reading the footprints of the B-meson flavor anomalies. Journal of High Energy Physics, 2021, 2021, 1.	4.7	72
45	The light stop window. European Physical Journal C, 2013, 73, 1.	3.9	71
46	$B_s \rightarrow \ell \ell'$ and $K \rightarrow \ell \ell'$ in SUSY models with non-minimal sources of flavour mixing. Journal of High Energy Physics, 2002, 2002, 063-063.	4.7	70
47	Solving the flavour problem with hierarchical fermion wave functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 73-79.	4.1	70
48	Combining direct & indirect kaon CP violation to constrain the warped KK scale. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 200-206.	4.1	69
49	QED corrections in $\overline{B} \rightarrow \overline{K} \ell^+ \ell^-$ at the double-differential level. Journal of High Energy Physics, 2020, 2020, 1.	4.7	63
50	Minimal flavour violation extensions of the seesaw. Journal of High Energy Physics, 2011, 2011, 1.	4.7	62
51	Direct CP violation in charm and flavor mixing beyond the SM. Journal of High Energy Physics, 2012, 2012, 1.	4.7	55
52	The CP-conserving contribution to in the standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 170-178.	4.1	52
53	Grand unification and the principle of minimal flavor violation. Nuclear Physics B, 2007, 763, 35-48.	2.5	49
54	Probing lepton-flavour universality with $K \rightarrow \pi \ell \ell'$ decays. European Physical Journal C, 2017, 77, 1.	3.9	48

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55	Neutrino masses and LFV from minimal breaking of $U(3)_C$ and $U(2)_F$ flavor symmetries. European Physical Journal C, 2012, 72, 1.	3.9	46
56	From the LHC to future colliders. European Physical Journal C, 2010, 66, 525-583.	3.9	45
57	Minimal flavour violation and beyond. European Physical Journal C, 2012, 72, 1.	3.9	45
58	Pseudo-observables in Higgs decays. European Physical Journal C, 2015, 75, 1.	3.9	45
59	CP violation and leptogenesis in models with minimal lepton flavour violation. Nuclear Physics B, 2007, 763, 228-246.	2.5	44
60	Vector leptoquarks beyond tree level. Physical Review D, 2020, 101, .	4.7	44
61	Shedding Light on $CP$ Violation in the Charm System via $D \rightarrow P V \hat{1}^3$ Decays. <a href="https://arxiv.org/abs/2012.10017">Physical Review Letters, 2012, 109, 171801</a>	7.8	40
62	$B \rightarrow e^+ \hat{1}^3 P 1 P 2 \hat{1}^3$ processes close to the $\hat{1}^3$ peak: toward a model-independent analysis. Journal of High Energy Physics, 2006, 2006, 049-049.	4.7	39
63	Higgs form factors in associated production. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
64	Stability of the electroweak ground state in the Standard Model and its extensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 150-160.	4.1	39
65	$K \rightarrow e^+ \hat{1}^3 \hat{1}^3$ : a rising star on the stage of flavour physics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 530, 108-116.	4.1	38
66	The smallest neutrino mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 646, 100-104.	4.1	37
67	Probing the Charm Quark Yukawa Coupling in $Higgs \rightarrow e^+ e^- \hat{1}^3$ Charm. <a href="https://arxiv.org/abs/1511.01801">Physical Review Letters, 2015, 115, 211801</a> .	7.8	37
68	With or without $U(2)$ ? Probing non-standard flavor and helicity structures in semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135080.	4.1	36
69	Quantum resonant leptogenesis and minimal lepton flavour violation. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 004.	5.4	35
70	Toward a coherent solution of diphoton and flavor anomalies. Journal of High Energy Physics, 2016, 2016, 1.	4.7	34
71	Flavour symmetries in the SMEFT. Journal of High Energy Physics, 2020, 2020, 1.	4.7	34
72	B-decay CP-asymmetries in SUSY with a $U(2)_F$ flavour symmetry. European Physical Journal C, 2011, 71, 1.	3.9	33

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73	Vector leptoquarks beyond tree level. III. Vectorlike fermions and flavor-changing transitions. <i>Physical Review D</i> , 2020, 102, .	4.7	33
74	Composite fermions in electroweak symmetry breaking. <i>Journal of High Energy Physics</i> , 2009, 2009, 029-029.	4.7	32
75	The $\hat{4}_s$ spectrum at low $m_{34}$ : Standard Model vs. light New Physics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 733, 359-365.	4.1	31
76	Electromagnetic corrections to non-leptonic two-body B and D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 633, 309-313.	4.1	30
77	Pseudo-observables in electroweak Higgs production. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	30
78	Semileptonic $B \rightarrow U$ -physics anomalies: A general EFT analysis within $U(2) \times U(2)$ symmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 822, 136644.	4.7	29
79	On the significance of new physics in $B \rightarrow s \ell^+ \ell^-$ , $B \rightarrow s \ell^+ \ell^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 822, 136644.	4.1	29
80	Forward-backward asymmetry in $B \rightarrow s \ell^+ \ell^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 822, 136644.	4.1	27
81	Forward-backward asymmetry in $B \rightarrow s \ell^+ \ell^-$ decays. <i>International Journal of Modern Physics A</i> , 2006, 21, 487-504.	1.5	26
82	Rare kaon decays on the lattice. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 633, 75-83.	4.1	25
83	Flavor non-universal Pati-Salam unification and neutrino masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 820, 136484.	4.1	24
84	Heavy vectors in Higgsless models. <i>Physical Review D</i> , 2008, 78, .	4.7	22
85	Strong rescattering in $K \rightarrow 3\pi$ decays and low-energy meson dynamics. <i>Physical Review D</i> , 1994, 50, 5767-5774.	4.7	21
86	$K \rightarrow 3\pi$ decays: A search for novel couplings in kaon decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995, 65, 649-656.	1.5	21
87	Shedding light on the "dark side" of $B$ mixing through $B \rightarrow s \ell^+ \ell^-$ , $B \rightarrow s \ell^+ \ell^-$ and $B \rightarrow s \ell^+ \ell^-$ . <i>Journal of High Energy Physics</i> , 2003, 2003, 053-053.	4.7	21
88	Lepton flavor mixing and $K \rightarrow 2\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 588, 74-80.	4.1	20
89	Higgs-mediated $K \rightarrow 2\pi$ in the MSSM at large $\tan\beta$ . <i>Physical Review D</i> , 2006, 73, .	4.7	20
90	Status of indirect searches for New Physics with heavy flavour decays after the initial LHC run. <i>European Physical Journal Plus</i> , 2014, 129, 1.	2.6	20

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91	Electroweak bounds on Higgs pseudo-observables and $B \rightarrow 4\ell$ decays. European Physical Journal C, 2015, 75, 1.	3.9	20
92	Impact of leptonic $B_u$ decays on the distribution of $B \rightarrow P \mu \nu$ decays. European Physical Journal C, 2016, 76, 1.	3.9	19
93	Chiral weak lagrangian for vector mesons and $K \rightarrow 3\pi$ decay amplitudes. Nuclear Physics B, 1992, 385, 437-451.	2.5	18
94	Determination of CP and CPT violation parameters in the neutral kaon system using the Bell-Steinberger relation and data from the KLOE experiment. Journal of High Energy Physics, 2006, 2006, 011-011.	4.7	17
95	CP-violation in $K \rightarrow 3\pi$ decays and lattice QCD B-factors. Nuclear Physics B, 1992, 381, 522-543.	2.5	16
96	Drell-Yan production of heavy vectors in Higgsless models. Nuclear Physics B, 2009, 822, 230-244.	2.5	16
97	RARE DECAYS: THEORY VS. EXPERIMENTS. International Journal of Modern Physics A, 2002, 17, 3078-3097.	1.5	13
98	Higgs pseudo observables and radiative corrections. European Physical Journal C, 2015, 75, 1.	3.9	13
99	Stability of the Higgs sector in a flavor-inspired multi-scale model. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
100	The interference parameter in the model independent approach to the Z line shape. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 314, 139-148.	4.1	12
101	Top $B$ Physics at the LHC. Physical Review Letters, 2013, 110, 232002.	7.8	12
102	Electroweak Higgs production with HiggsPO at NLO QCD. European Physical Journal C, 2017, 77, 1.	3.9	11
103	The CP-conserving contribution to the transverse muon polarization in $K \rightarrow \mu \nu$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 295-300.	4.1	9
104	Kaon Decays and the Flavour Problem. Annales Henri Poincare, 2003, 4, 97-109.	1.7	8
105	Violations of lepton-flavour universality in $P \rightarrow \ell \nu$ decays: a model-independent analysis. European Physical Journal C, 2009, 64, 55.	3.9	8
106	Optimized lepton universality tests in $B \rightarrow V \ell \ell$ decays. European Physical Journal C, 2020, 80, 1078.	3.9	8
107	Vector leptoquarks beyond tree level. II. $O$ $T_{11}$	4.7	8
108	Flavour alignment of New Physics in light of the $(g \hat{a}'' 2)^{1/4}$ anomaly. Journal of High Energy Physics, 2022, 2022, 1.	4.7	8

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109	Adding pseudo-observables to the four-lepton experimentalist's toolbox. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
110	The LFU ratio $R_{\pi}$ in the Standard Model and beyond. European Physical Journal C, 2021, 81, 850.	3.9	5
111	A general effective field theory description of $b \rightarrow s \ell^+ \ell^-$ , $b \rightarrow s \ell^+ \ell^- \gamma$ lepton universality ratios. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 830, 137151.	4.1	5
112	LFU violations in leptonic $\tilde{B}_s$ decays and B-physics anomalies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 826, 136903.	4.1	4
113	SUPERSYMMETRIC EFFECTS IN FLAVOUR PHYSICS. International Journal of Modern Physics A, 2007, 22, 5841-5852.	1.5	1
114	Large $\tan^2 \beta$ effects in flavour physics. Nuclear Physics, Section B, Proceedings Supplements, 2007, 163, 192-197.	0.4	1
115	On the tuning in the $(m, m)$ plane: Standard Model criticality vs. high-scale SUSY. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 551-558.	4.1	1
116	Higgs mass and vacuum stability in the Standard Model at NNLO. , 2012, 2012, 1.		1
117	Exploring the flavour structure of the high-scale MSSM. European Physical Journal C, 2020, 80, 291.	3.9	1
118	A status report concerning theoretical predictions for various kaon decays. Nuclear Physics A, 1997, 623, 202-214.	1.5	0
119	DISCRETE 2010: Symposium on Prospects in the Physics of Discrete Symmetries. Journal of Physics: Conference Series, 2011, 335, 011001.	0.4	0
120	Clues from a rare decay. Physics Magazine, 2011, 4, .	0.1	0
121	Flavor Physics Theory. EPJ Web of Conferences, 2013, 49, 03008.	0.3	0
122	Kaon Decays and the Flavour Problem. , 2003, , 97-109.		0
123	B Physics in the LHC Era. Scottish Graduate Series, 2012, , 69-109.	0.1	0