

# Luca Merlo

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

3,045  
citations

117625

34  
h-index

155660

55  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tri-bimaximal neutrino mixing and quark masses from a discrete flavour symmetry. Nuclear Physics B, 2007, 775, 120-142.	2.5	214
2	Closing the window on single leptoquark solutions to the B-physics anomalies. Journal of High Energy Physics, 2018, 2018, 1.	4.7	189
3	ALPs effective field theory and collider signatures. European Physical Journal C, 2017, 77, 572.	3.9	164
4	The effective chiral Lagrangian for a light dynamical "Higgs particle". Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 330-335.	4.1	163
5	Revisiting bimaximal neutrino mixing in a model with $S_4$ discrete symmetry. Journal of High Energy Physics, 2009, 2009, 020-020.	4.7	146
6	Fermion masses and mixings in a based model. Nuclear Physics B, 2009, 816, 204-226.	2.5	135
7	Disentangling a dynamical Higgs. Journal of High Energy Physics, 2014, 2014, 1.	4.7	108
8	Discrete flavour groups, $\hat{I}_3$ and lepton flavour violation. Journal of High Energy Physics, 2012, 2012, 1.	4.7	94
9	Lepton flavour violation in models with $A_4$ flavour symmetry. Nuclear Physics B, 2009, 809, 218-243.	2.5	87
10	Phenomenological consequences of the seesaw mechanism in $S_4$ based models. Physical Review D, 2009, 80, .	4.7	71
11	Tri-bimaximal neutrino mixing and discrete flavour symmetries. Fortschritte Der Physik, 2013, 61, 507-534.	4.4	69
12	Analysis of general power counting rules in effective field theory. European Physical Journal C, 2016, 76, 1.	3.9	68
13	The interplay between GUT and flavour symmetries in a Pati-Salam $S_4$ model. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
14	Minimal flavour violation extensions of the seesaw. Journal of High Energy Physics, 2011, 2011, 1.	4.7	62
15	Flavor constraints on electroweak ALP couplings. European Physical Journal C, 2019, 79, 1.	3.9	61
16	The complete HEFT Lagrangian after the LHC Run I. European Physical Journal C, 2016, 76, 1.	3.9	58
17	Tri/Bi-maximal lepton mixing and leptogenesis. Nuclear Physics B, 2010, 827, 34-58.	2.5	57
18	Probing low energy scalar leptoquarks by the leptonic W and Z couplings. Journal of High Energy Physics, 2019, 2019, 1.	4.7	55

#	ARTICLE	IF	CITATIONS
19	Vacuum alignment in SUSY A 4 models. Journal of High Energy Physics, 2010, 2010, 1.	4.7	53
20	Repressing anarchy in neutrino mass textures. Journal of High Energy Physics, 2012, 2012, 1.	4.7	50
21	Ultraviolet completion of flavour models. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49
22	CP violation with a dynamical Higgs. Journal of High Energy Physics, 2014, 2014, 1.	4.7	47
23	On the scalar potential of minimal flavour violation. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
24	The impact of flavour changing neutral gauge bosons on $\text{Br}(\text{B} \rightarrow \text{X}_s \gamma)$ . Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
25	Constraining flavour symmetries at the EW scale I: the A 4 Higgs potential. Journal of High Energy Physics, 2011, 2011, 1.	4.7	44
26	Dark matter within the minimal flavour violation ansatz. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 135-143.	4.1	43
27	Lepton flavour violation in a supersymmetric model with flavour symmetry. Nuclear Physics B, 2010, 832, 251-288.	2.5	42
28	Phenomenology of a gauged SU(3) <sup>3</sup> flavour model. Journal of High Energy Physics, 2012, 2012, 1.	4.7	42
29	The minimal flavour violating axion. Journal of High Energy Physics, 2017, 2017, 1.	4.7	42
30	Flavor with a light dynamical $\hat{c}$ -Higgs particle. Physical Review D, 2013, 87, .	4.7	38
31	Constraining flavour symmetries at the EW scale II: the fermion processes. Journal of High Energy Physics, 2011, 2011, 1.	4.7	35
32	Higgs ultraviolet softening. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
33	Sigma decomposition. Journal of High Energy Physics, 2014, 2014, 1.	4.7	34
34	On the potential of leptonic Minimal Flavour Violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 194-198.	4.1	29
35	Minimal flavour violation with strong Higgs dynamics. Journal of High Energy Physics, 2012, 2012, 1.	4.7	28
36	Running effects on lepton mixing angles in flavour models with type I seesaw. Nuclear Physics B, 2010, 835, 238-261.	2.5	27

#	ARTICLE	IF	CITATIONS
37	Neutrino mixings and the $S_{4\ell}$ discrete flavour symmetry. Fortschritte Der Physik, 2013, 61, 571-596.	4.4	25
38	Flavour violation in a supersymmetric $T\hat{a}\epsilon^2$ model. Journal of High Energy Physics, 2011, 2011, 1.	4.7	24
39	Leptonic dynamical Yukawa couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	24
40	Revisiting Minimal Lepton Flavour Violation in the light of leptonic CP violation. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
41	Exotic vectorlike quark phenomenology in the minimal linear $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \tilde{f} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ model. Physical Review D, 2020, 101, .	4.7	23
42	Production of thermal axions across the electroweak phase transition. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 090.	5.4	23
43	Neutrino masses and Hubble tension via a Majoron in MFV. European Physical Journal C, 2021, 81, 1.	3.9	22
44	Gauged lepton flavour. Journal of High Energy Physics, 2016, 2016, 1.	4.7	21
45	Bayesian comparison of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle U \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4174.d (stretchy="false"} \rangle$ model. Physical Review D, 2020, 101, .	4.7	21
46	Distinguishing a Higgs-like dilaton scenario with a complete bosonic effective field theory basis. Physical Review D, 2017, 96, .	4.7	20
47	Revisiting the production of ALPs at B-factories. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
48	Baryon non-invariant couplings in Higgs effective field theory. European Physical Journal C, 2017, 77, 1.	3.9	16
49	Same-sign $WW$ scattering in the HEFT: discoverability vs. EFT validity. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
50	Non-linear Higgs portal to Dark Matter. Journal of High Energy Physics, 2016, 2016, 1-35.	4.7	13
51	Predictive leptogenesis from minimal lepton flavour violation. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
52	The minimal axion minimal linear $\langle \text{mml:math} \rangle \langle \text{mml:mi} \rangle \sigma \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ model. European Physical Journal C, 2018, 78, 1.	3.9	10
53	Sigma decomposition: the CP-odd Lagrangian. Journal of High Energy Physics, 2016, 2016, 1-20.	4.7	9
54	A new bound on CP violation in the $\tilde{l}_\mu$ lepton Yukawa coupling and electroweak baryogenesis. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8

#	ARTICLE	IF	CITATIONS
55	LFV and dipole moments in models with A4 flavour symmetry. Journal of Physics: Conference Series, 2009, 171, 012083.	0.4	7
56	Data driven flavour model. European Physical Journal C, 2020, 80, 1.	3.9	7
57	Lepton Flavour Violation in Models with A4 Flavour Symmetry. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 345-347.	0.4	6
58	Testable axion-like particles in the minimal linear $\tilde{I}f$ model. Nuclear Physics B, 2020, 950, 114839.	2.5	4
59	Searching for BSM physics in Yukawa couplings and flavour symmetries. Journal of High Energy Physics, 2022, 2022, 1.	4.7	4
60	Bimaximal Neutrino Mixing and Weak Complementarity with $S_{[4]}$ Discrete Symmetry. , 2010, , .		3
61	Bimaximal Neutrino Mixing with Discrete Flavour Symmetries. Journal of Physics: Conference Series, 2011, 335, 012049.	0.4	3
62	Probing effective field theory approach in the CP violating minimal linear $\Sigma$ model. European Physical Journal C, 2021, 81, 1.	3.9	0