Luigi Delle Rose

List of Publications by Year
in descending order

65 papers	**2,343** citations	279798 **23** h-index	206112 **48** g-index
65 all docs	**65** docs citations	**65** times ranked	**1956** citing authors

#	Article	IF	Citations
1	Bubble wall dynamics at the electroweak phase transition. Journal of High Energy Physics, 2022, 2022, 1.	4.7	20
2	Two-point function of the energy-momentum tensor and generalised conformal structure. European Physical Journal C, 2021, 81, 1.	3.9	6
3	Impact of loop-induced processes on the boosted dark matter interpretation of the XENON1T excess. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 031-031.	5.4	13
4	Precision from the diphoton Zh channel at FCC-hh. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
5	Explaining electron and muon g−2 anomalies in an Aligned 2-Higgs Doublet Model with right-handed neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136216.	4.1	32
6	The Large Hadron–Electron Collider at the HL-LHC. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 110501.	3.6	89
7	R_K and R_{K^*} in an aligned 2HDM with right-handed neutrinos. Physical Review D, 2020, 101, .	4.7	13
8	Gravitational waves from supercool axions. Journal of High Energy Physics, 2020, 2020, 1.	4.7	54
9	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 090501.	3.6	133
10	Simplified leptoquark models for precision $l_i \to l_f$ experiments: Two-loop structure of . Physical Review D, 2020, 102, .	4.7	13
11	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
12	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	2.6	108
13	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424
14	Prospects for heavy scalar searches at the LHeC. International Journal of Modern Physics A, 2019, 34, 1950127.	1.5	7
15	New Physics Suggested by Atomki Anomaly. Frontiers in Physics, 2019, 7, .	2.1	20
16	Long-lived particles at the energy frontier: the MATHUSLA physics case. Reports on Progress in Physics, 2019, 82, 116201.	20.1	220
17	Collider bounds on 2-Higgs doublet models with U(1) gauge symmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 150-160.	4.1	14
18	Atomki Anomaly in Family-Dependent $U(1)$ Model. Physical Review D, 2019, 99, .	4.7	28

#	Article	IF	Citations
19	Composite dynamics in the early Universe. Journal of High Energy Physics, 2019, 2019, 1.	4.7	29
20	A concrete composite 2-Higgs doublet model. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
21	Supersymmetry versus Compositeness: 2HDMs tell the story. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 189-194.	4.1	9
22	Sneutrino Dark Matter in the BLSSM. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
23	Extra Higgs boson and Zâ€² as portals to signatures of heavy neutrinos at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	4.7	41
24	From Planck Data to Planck Era: Observational Tests of Holographic Cosmology. Physical Review Letters, 2017, 118, 041301.	7.8	44
25	Wilsonian dark matter in string derived Zâ€² model. Physical Review D, 2017, 96, .	4.7	8
26	Naturalness and dark matter in the supersymmetric $B - L$ extension of the standard model. Physical Review D, 2017, 96, .	4.7	28
27	Explanation of the 17 MeV Atomki anomaly in a $U(1)'$ doublet model. Physical Review D, 2017, 96, .	4.7	17
28	Novel SM-like Higgs decay into displaced heavy neutrino pairs in U(1)â€² models. Journal of High Energy Physics, 2017, 2017, 1.	4.7	49
29	Phenomenology of minimalZâ€™ models: from the LHC to the GUT scale. EPJ Web of Conferences, 2016, 129, 00006.	0.3	5
30	Search forZâ€², vacuum (in)stability and hints of high-energy structures. EPJ Web of Conferences, 2016, 129, 00007.	0.3	2
31	Bounds on the conformal scale of a minimally coupled dilaton and multi-leptonic signatures at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
32	Z â€², Higgses and heavy neutrinos in U(1)â€² models: from the LHC to the GUT scale. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
33	LHC di-photon excess and gauge coupling unification in extra $$Z^prime$$ Z â€² heterotic-string derived models. European Physical Journal C, 2016, 76, 1.	3.9	9
34	Constraints on abelian extensions of the Standard Model from two-loop vacuum stability and U(1) Bâ€L. Journal of High Energy Physics, 2016, 2016, 1.	4.7	37
35	On the fate of the Standard Model at finite temperature. Journal of High Energy Physics, 2016, 2016, 1.	4.7	30
36	Neutrino and photon lensing by black holes: radiative lens equations and post-Newtonian contributions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	4

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37	On the stability of the electroweak vacuum in the presence of low-scale seesaw models. Journal of High Energy Physics, 2015, 2015, 1-32.	4.7	15
38	Electroweak corrections to photon scattering, polarization and lensing in a gravitational background and the near horizon limit. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1
39	Stability constraints of the scalar potential in extensions of the Standard Model with TeV scale right handed neutrinos. Nuclear and Particle Physics Proceedings, 2015, 265-266, 311-313.	0.5	2
40	Sum rules and spectral density flow in QCD and in superconformal theories. EPJ Web of Conferences, 2014, 80, 00017.	0.3	0
41	Vacuum stability in minimal gauge extensions $U(1)$ right handed neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 13-19.	4.1	36
42	The dilaton Wess–Zumino action in six dimensions from Weyl gauging: local anomalies and trace relations. Classical and Quantum Gravity, 2014, 31, 105009.	4.0	13
43	Fermion scattering in a gravitational background: electroweak corrections and flavour transitions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	0
44	Superconformal sum rules and the spectral density flow of the composite dilaton (ADD) multiplet in N $$ mathcal{N} $$ =1 theories. Journal of High Energy Physics, 2014, 2014, 1.	4.7	5
45	Conformal anomaly actions for dilaton interactions. EPJ Web of Conferences, 2014, 80, 00015.	0.3	0
46	Solving the conformal constraints for scalar operators in momentum space and the evaluation of Feynman's master integrals. Journal of High Energy Physics, 2013, 2013, 1.	4.7	79
47	Dilaton interactions and the anomalous breaking of scale invariance of the Standard Model. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
48	Conformal trace relations from the dilaton Wess–Zumino action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 896-905.	4.1	5
49	One loop standard model corrections to flavor diagonal fermion-graviton vertices. Physical Review D, 2013, 87, .	4.7	2
50	Mass corrections to flavor-changing fermion-graviton vertices in the standard model. Physical Review D, 2013, 88, .	4.7	3
51	Dilaton interactions in QCD and in the electroweak sector of the standard model. , 2012, , .		1
52	Massless scalar degrees of freedom in QCD and in the electroweak sector from the trace anomaly. , 2012, , .		0
53	Graviton vertices and the mapping of anomalous correlators to momentum space for a general conformal field theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	29
54	Three and four point functions of stress energy tensors in D≃≃3 for the analysis of cosmological non-gaussianities. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17

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55	Higher order dilaton interactions in the nearly conformal limit of the Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 182-187.	4.1	10
56	The conformal anomaly and the neutral currents sector of the Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 29-38.	4.1	10
57	Comments on anomaly cancellations by pole subtractions and ghost instabilities with gravity. Classical and Quantum Gravity, 2011, 28, 145004.	4.0	2
58	Gravity and the neutral currents: Effective interactions from the trace anomaly. Physical Review D, 2011, 83, .	4.7	15
59	THE TRACE ANOMALY AND THE GRAVITATIONAL COUPLING OF AN ANOMALOUS U(1). International Journal of Modern Physics A, 2011, 26, 2405-2435.	1.5	3
60	The effective actions of pseudoscalar and scalar particles in theories with gauge and conformal anomalies. Fortschritte Der Physik, 2010, 58, 708-711.	4.4	0
61	Conformal anomalies and the gravitational effective action: The TJJ correlator for a Dirac fermion. Physical Review D, 2010, 81, .	4.7	34
62	The Trace Anomaly and the Couplings of QED and QCD to Gravity. , 2010, , .		1
63	Trace anomaly, massless scalars, and the gravitational coupling of QCD. Physical Review D, 2010, 82, .	4.7	20
64	Anomalous U(1) models in four and five dimensions and their anomaly poles. Journal of High Energy Physics, 2009, 2009, 029-029.	4.7	20
65	Anomaly poles as common signatures of chiral and conformal anomalies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 322-327.	4.1	27