

Matthew J Dolan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8818510/publications.pdf>

Version: 2024-02-01

51
papers

2,899
citations

186265
28
h-index

175258
52
g-index

54
all docs

54
docs citations

54
times ranked

5863
citing authors

#	ARTICLE	IF	CITATIONS
1	Simplified models for dark matter searches at the LHC. Physics of the Dark Universe, 2015, 9-10, 8-23.	4.9	250
2	Higgs self-coupling measurements at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	209
3	A lower bound on the mass of cold thermal dark matter from Planck. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 041-041.	5.4	187
4	Beyond effective field theory for dark matter searches at the LHC. Journal of High Energy Physics, 2014, 2014, 1.	4.7	185
5	Revised constraints and Belle II sensitivity for visible and invisible axion-like particles. Journal of High Energy Physics, 2017, 2017, 1.	4.7	155
6	A taste of dark matter: flavour constraints on pseudoscalar mediators. Journal of High Energy Physics, 2015, 2015, 1.	4.7	133
7	Characterising dark matter searches at colliders and direct detection experiments: vector mediators. Journal of High Energy Physics, 2015, 2015, 1.	4.7	130
8	Extended gamma-ray emission from Coy Dark Matter. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 009-009.	5.4	124
9	Di-Higgs final states augMT2ed $\hat{\epsilon}^{\epsilon}$ Selecting hh events at the high luminosity LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 308-313.	4.1	103
10	Directly Detecting Sub-GeV Dark Matter with Electrons from Nuclear Scattering. Physical Review Letters, 2018, 121, 101801.	7.8	103
11	New physics in LHC Higgs boson pair production. Physical Review D, 2013, 87, .	4.7	90
12	Interpretation of the Galactic Center excess of gamma rays with heavier dark matter particles. Physical Review D, 2014, 90, .	4.7	75
13	Higgs self-coupling measurements at a 100 TeV hadron collider. Journal of High Energy Physics, 2015, 2015, 1.	4.7	75
14	Parton shower uncertainties in jet substructure analyses with deep neural networks. Physical Review D, 2017, 95, .	4.7	72
15	Production of $h\bar{h}$ at the LHC. Physical Review Letters, 2014, 112, 101802.		68
16	Increasing N_{eff} with particles in thermal equilibrium with neutrinos. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 027-027.	5.4	64
17	Constraining CP -violating Higgs sectors at the LHC using gluon fusion. Physical Review D, 2014, 90, .	4.7	49
18	hhjj production at the LHC. European Physical Journal C, 2015, 75, 1.	3.9	44

#	ARTICLE	IF	CITATIONS
19	Phenomenology of pure general gauge mediation. <i>Journal of High Energy Physics</i> , 2009, 2009, 001-001.	4.7	42
20	Recommendations on presenting LHC searches for missing transverse energy signals using simplified χ^2 channel models of dark matter. <i>Physics of the Dark Universe</i> , 2020, 27, 100365.	4.9	41
21	D-branes at toric singularities: model building, Yukawa couplings and flavour physics. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	40
22	Interplay and characterization of Dark Matter searches at colliders and in direct detection experiments. <i>Physics of the Dark Universe</i> , 2015, 9-10, 51-58.	4.9	40
23	Dark matter targets for axionlike particle searches. <i>Physical Review D</i> , 2019, 100, .	4.7	34
24	Neutralino dark matter and the Fermi gamma-ray lines. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 016-016.	5.4	31
25	Imprints of the early Universe on axion dark matter substructure. <i>Physical Review D</i> , 2020, 101, .	4.7	31
26	Towards a systematic construction of realistic D-brane models on a del Pezzo singularity. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	29
27	Transplanckian censorship and global cosmic strings. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	29
28	Simplified models for Higgs physics: singlet scalar and vector-like quark phenomenology. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	24
29	Global fits of the large volume string scenario to WMAP5 and other indirect constraints using Markov chain Monte Carlo. <i>Journal of High Energy Physics</i> , 2008, 2008, 105-105.	4.7	23
30	Unification and LHC phenomenology of F-theory GUTs with U(1) P Q. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	22
31	Dirac-phase thermal leptogenesis in the extended type-I seesaw model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 012-012.	5.4	22
32	Two-step electroweak symmetry-breaking: theory meets experiment. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	22
33	Pure general gauge mediation for early LHC searches. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	21
34	New constraints on gauge mediation and beyond from LHC SUSY searches at 7 TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	21
35	Dark matter microhalos from simplified models. <i>Physical Review D</i> , 2021, 103, .	4.7	21
36	Searching for Sub-GeV dark matter in the galactic centre using Hyper-Kamiokande. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 019-019.	5.4	20

#	ARTICLE	IF	CITATIONS
37	Equivariant energy flow networks for jet tagging. <i>Physical Review D</i> , 2021, 103, .	4.7	19
38	F-theory GUTs with $U(1)$ symmetries: Generalities and survey. <i>Physical Review D</i> , 2011, 84, .	4.7	17
39	Hadron collider sensitivity to fat flavourful $Z\hat{\epsilon}$ s for $\mathbb{R}_K^{\left(\ast\right)}$. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	17
40	Constraining axion-like particles using the white dwarf initial-final mass relation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 010.	5.4	17
41	Electroweak baryogenesis with vector-like leptons and scalar singlets. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	15
42	Determining the quantum numbers of simplified models in $t\bar{t}X$ production at the LHC. <i>Physical Review D</i> , 2016, 94, .	4.7	14
43	Searching for dark matter in the Sun using Hyper-Kamiokande. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 004.	5.4	9
44	Simple and statistically sound recommendations for analysing physical theories. <i>Reports on Progress in Physics</i> , 2022, 85, 052201.	20.1	9
45	Dissecting jets and missing energy searches using n-body extended simplified models. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	8
46	Anomalous neutral gauge boson interactions and simplified models. <i>Physical Review D</i> , 2018, 97, .	4.7	6
47	A real triplet-singlet extended Standard Model: dark matter and collider phenomenology. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	6
48	Low-scale leptogenesis with minimal lepton flavor violation. <i>Physical Review D</i> , 2019, 99, .	4.7	4
49	Lowering the scale of Pati-Salam breaking through seesaw mixing. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	4
50	Metalearning and data augmentation for mass-generalized jet taggers. <i>Physical Review D</i> , 2022, 105, .	4.7	4
51	Supersymmetry with prejudice: Fitting the wrong model to LHC data. <i>Physical Review D</i> , 2012, 86, .	4.7	0