

Roni Harnik

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,690
citations

172457

29
h-index

197818

49
g-index

53
all docs

53
docs citations

53
times ranked

6630
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Tevatron at the frontier of dark matter direct detection. Journal of High Energy Physics, 2010, 2010, 1. | 4.7 | 308 |
| 2 | Missing energy signatures of dark matter at the LHC. Physical Review D, 2012, 85, . | 4.7 | 291 |
| 3 | Simplified models for dark matter searches at the LHC. Physics of the Dark Universe, 2015, 9-10, 8-23. | 4.9 | 250 |
| 4 | Flavor violating Higgs decays. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 240 |
| 5 | LEP shines light on dark matter. Physical Review D, 2011, 84, . | 4.7 | 214 |
| 6 | Exploring $\hat{1}/2$ signals in dark matter detectors. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 026-026. | 5.4 | 205 |
| 7 | Folded supersymmetry and the LEP paradox. Journal of High Energy Physics, 2007, 2007, 009-009. | 4.7 | 188 |
| 8 | A twin Higgs model from left-right symmetry. Journal of High Energy Physics, 2006, 2006, 108-108. | 4.7 | 150 |
| 9 | Discovering new light states at neutrino experiments. Physical Review D, 2010, 82, . | 4.7 | 138 |
| 10 | Minimal supersymmetric fat Higgs model. Physical Review D, 2004, 70, . | 4.7 | 129 |
| 11 | Dark Matter benchmark models for early LHC Run-2 Searches: Report of the ATLAS/CMS Dark Matter Forum. Physics of the Dark Universe, 2020, 27, 100371. | 4.9 | 126 |
| 12 | Astrophysical probes of unification. Physical Review D, 2009, 79, . | 4.7 | 110 |
| 13 | Probing New Long-Range Interactions by Isotope Shift Spectroscopy. Physical Review Letters, 2018, 120, 091801. | 7.8 | 106 |
| 14 | Exothermic dark matter. Physical Review D, 2010, 82, . | 4.7 | 91 |
| 15 | Effective theory of Dirac dark matter. Physical Review D, 2009, 79, . | 4.7 | 83 |
| 16 | Predicting the cosmological constant from the causal entropic principle. Physical Review D, 2007, 76, . | 4.7 | 81 |
| 17 | Cosmology in Mirror Twin Higgs and neutrino masses. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 75 |
| 18 | Search for Dark Matter in Events with One Jet and Missing Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 108, 211804. | 7.8 | 73 |

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|----|--|-----|-----------|
| 19 | Colorless top partners, a 125 GeV Higgs boson, and the limits on naturalness. <i>Physical Review D</i> , 2015, 91, . | 4.7 | 64 |
| 20 | Taking a razor to dark matter parameter space at the LHC. <i>Physical Review D</i> , 2012, 86, . | 4.7 | 62 |
| 21 | Low energy probes of PeV scale sfermions. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 4.7 | 59 |
| 22 | Decaying dark matter as a probe of unification and TeV spectroscopy. <i>Physical Review D</i> , 2009, 80, . | 4.7 | 57 |
| 23 | Measuring C violation in $h \rightarrow \hat{a}^+ \hat{a}^-$ at colliders. <i>Physical Review D</i> , 2013, 88, . | 4.7 | 51 |
| 24 | Improved Limits on Millicharged Particles Using the ArgoNeuT Experiment at Fermilab. <i>Physical Review Letters</i> , 2020, 124, 131801. | 7.8 | 46 |
| 25 | Probing CP violation in $h \rightarrow \hat{a}^+ \hat{a}^-$ with converted photons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 4.7 | 40 |
| 26 | Signals of new physics in the underlying event. <i>Physical Review D</i> , 2009, 80, . | 4.7 | 35 |
| 27 | Quirky collider signals of folded supersymmetry. <i>Physical Review D</i> , 2008, 78, . | 4.7 | 34 |
| 28 | Probing the Higgs Couplings to Photons in $h \rightarrow 4\gamma$, "at the LHC. <i>Physical Review Letters</i> , 2014, 113, 191801. | 7.8 | 34 |
| 29 | Dark matter beams at LBNF. <i>Journal of High Energy Physics</i> , 2016, 2016, 1-20. | 4.7 | 33 |
| 30 | Millicharged particles in liquid argon neutrino experiments. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 4.7 | 30 |
| 31 | Light resonances and the low- q^2 bin of R_{K^*} . <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 25 |
| 32 | Tadpole-induced electroweak symmetry breaking and pNGB Higgs models. <i>Journal of High Energy Physics</i> , 2017, 2017, 1. | 4.7 | 24 |
| 33 | Dark tridents at off-axis liquid argon neutrino detectors. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 4.7 | 23 |
| 34 | Twisted split fermions. <i>Physical Review D</i> , 2005, 71, . | 4.7 | 22 |
| 35 | Observing the dimensionality of our parent vacuum. <i>Physical Review D</i> , 2010, 82, . | 4.7 | 21 |
| 36 | Quirks at the Tevatron and beyond. <i>Physical Review D</i> , 2011, 84, . | 4.7 | 20 |

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|----|--|-----|-----------|
| 37 | Entropic landscape. Physical Review D, 2010, 82, . | 4.7 | 19 |
| 38 | Interference in the $g\bar{g}h$ production. On-Shell Rate and the Higgs Boson Total Width. Physical Review Letters, 2017, 119, 181801. | 7.8 | 18 |
| 39 | Millicharged cosmic rays and low recoil detectors. Physical Review D, 2021, 103, . | 4.7 | 17 |
| 40 | Fermion hierarchy from sfermion anarchy. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 16 |
| 41 | Self-Destructing Dark Matter. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 13 |
| 42 | Luminous signals of inelastic dark matter in large detectors. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 12 |
| 43 | Dark matter signals in dilepton production at hadron colliders. Physical Review D, 2015, 91, . | 4.7 | 11 |
| 44 | New opportunities in $h \rightarrow 4\gamma$. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 10 |
| 45 | Neutrino masses from low scale partial compositeness. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 10 |
| 46 | The physics potential of a reactor neutrino experiment with Skipper-CCDs: searching for new physics with light mediators. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 8 |
| 47 | Axion searches with two superconducting radio-frequency cavities. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 7 |
| 48 | The radiation valley and exotic resonances in $W\bar{W}^3$ production at the LHC. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 4 |
| 49 | Searching for Dark Particles with Quantum Optics. PRX Quantum, 2021, 2, . | 9.2 | 4 |
| 50 | SBND-PRISM: Sampling Multiple Off-Axis Fluxes with the Same Detector. , 1900, , . | | 0 |