

Alexey Boyarsky

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

2,012
citations

430874

18
h-index

477307

29
g-index

30
all docs

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docs citations

30
times ranked

3277
citing authors

#	ARTICLE	IF	CITATIONS
1	Unleashing the full power of LHCb to probe stealth new physics. Reports on Progress in Physics, 2022, 85, 024201.	20.1	20
2	Searches for new physics at SND@LHC. Journal of High Energy Physics, 2022, 2022, 1.	4.7	16
3	From dwarf galaxies to galaxy clusters: Self-Interacting Dark Matter over 7 orders of magnitude in halo mass. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043-043.	5.4	18
4	Magnetization of the intergalactic medium in the IllustrisTNG simulations: the importance of extended, outflow-driven bubbles. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5038-5057.	4.4	22
5	An allowed window for heavy neutral leptons below the kaon mass. Journal of High Energy Physics, 2021, 2021, 1.	4.7	28
6	When feebly interacting massive particles decay into neutrinos: The $\langle N \rangle_{\text{eff}}$ story. Physical Review D, 2021, 104, .	4.7	12
7	Ultrahigh energy cosmic ray deflection by the intergalactic magnetic field. Physical Review D, 2021, 104, .	4.7	9
8	Constraints from the CHARM experiment on heavy neutral leptons with tau mixing. Physical Review D, 2021, 104, .	4.7	27
9	Exploiting flux ratio anomalies to probe warm dark matter in future large-scale surveys. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4247-4253.	4.4	8
10	Direct detection and complementary constraints for sub-GeV dark matter. Journal of High Energy Physics, 2020, 2020, 1.	4.7	52
11	Light scalar production from Higgs bosons and FASER 2. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
12	Probing new physics with displaced vertices: Muon tracker at CMS. Physical Review D, 2019, 100, .	4.7	11
13	Sensitivity of the intensity frontier experiments for neutrino and scalar portals: analytic estimates. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
14	Phenomenology of GeV-scale scalar portal. Journal of High Energy Physics, 2019, 2019, 1.	4.7	35
15	Constraining self-interacting dark matter with scaling laws of observed halo surface densities. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 049-049.	5.4	23
16	Phenomenology of GeV-scale heavy neutral leptons. Journal of High Energy Physics, 2018, 2018, 1.	4.7	119
17	Towards an improved model of self-interacting dark matter haloes. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 038-038.	5.4	24
18	Connection between diphoton and triboson channels in new physics searches. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 23-29.	4.1	1

#	ARTICLE	IF	CITATIONS
19	A facility to search for hidden particles at the CERN SPS: the SHiP physics case. Reports on Progress in Physics, 2016, 79, 124201.	20.1	496
20	Searching for decaying dark matter in deep XMM-Newton observation of the Draco dwarf spheroidal. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1390-1398.	4.4	65
21	RADIAL PROFILE OF THE 3.5 keV LINE OUT TO R_{200} IN THE PERSEUS CLUSTER. Astrophysical Journal, 2016, 829, 124.	4.5	37
22	Magnetohydrodynamics of chiral relativistic fluids. Physical Review D, 2015, 92, .	4.7	69
23	The inner structure of haloes in cold+warm dark matter models. Monthly Notices of the Royal Astronomical Society, 2013, 428, 882-890.	4.4	75
24	Self-Consistent Evolution of Magnetic Fields and Chiral Asymmetry in the Early Universe. Physical Review Letters, 2012, 108, 031301.	7.8	189
25	Long-Range Magnetic Fields in the Ground State of the Standard Model Plasma. Physical Review Letters, 2012, 109, 111602.	7.8	59
26	Constraining extended gamma-ray emission from galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1651-1665.	4.4	58
27	ANOMALY DRIVEN SIGNATURES OF EXTRA $U(1)$'s. , 2011, , .		0
28	The Role of Sterile Neutrinos in Cosmology and Astrophysics. Annual Review of Nuclear and Particle Science, 2009, 59, 191-214.	10.2	484
29	Anomalies as a signature of extra dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 626, 184-194.	4.1	9
30	Observational manifestations of anomaly inflow. Physical Review D, 2005, 72, .	4.7	11