

Alexey Boyarsky

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,012
citations

430874

18
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

3277
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The Role of Sterile Neutrinos in Cosmology and Astrophysics. Annual Review of Nuclear and Particle Science, 2009, 59, 191-214.	10.2	484
3	Self-Consistent Evolution of Magnetic Fields and Chiral Asymmetry in the Early Universe. Physical Review Letters, 2012, 108, 031301.	7.8	189
4	Phenomenology of GeV-scale heavy neutral leptons. Journal of High Energy Physics, 2018, 2018, 1.	4.7	119
5	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
6	Magnetohydrodynamics of chiral relativistic fluids. Physical Review D, 2015, 92, .	4.7	69
7	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
8	Long-Range Magnetic Fields in the Ground State of the Standard Model Plasma. Physical Review Letters, 2012, 109, 111602.	7.8	59
9	Constraining extended gamma-ray emission from galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1651-1665.	4.4	58
10	Direct detection and complementary constraints for sub-GeV dark matter. Journal of High Energy Physics, 2020, 2020, 1.	4.7	52
11	RADIAL PROFILE OF THE 3.5 keV LINE OUT TO R_{200} IN THE PERSEUS CLUSTER. Astrophysical Journal, 2016, 829, 124.	4.5	37
12	Phenomenology of GeV-scale scalar portal. Journal of High Energy Physics, 2019, 2019, 1.	4.7	35
13	An allowed window for heavy neutral leptons below the kaon mass. Journal of High Energy Physics, 2021, 2021, 1.	4.7	28
14	Constraints from the CHARM experiment on heavy neutral leptons with tau mixing. Physical Review D, 2021, 104, .	4.7	27
15	Towards an improved model of self-interacting dark matter haloes. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 038-038.	5.4	24
16	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
17	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
18	Unleashing the full power of LHCb to probe stealth new physics. Reports on Progress in Physics, 2022, 85, 024201.	20.1	20

#	ARTICLE	IF	CITATIONS
19	Sensitivity of the intensity frontier experiments for neutrino and scalar portals: analytic estimates. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
20	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
21	Light scalar production from Higgs bosons and FASER 2. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
22	Searches for new physics at SND@LHC. Journal of High Energy Physics, 2022, 2022, 1.	4.7	16
23	When feebly interacting massive particles decay into neutrinos: The $\langle N \rangle_{\text{eff}}$ story. Physical Review D, 2021, 104, .	4.7	12
24	Observational manifestations of anomaly inflow. Physical Review D, 2005, 72, .	4.7	11
25	Probing new physics with displaced vertices: Muon tracker at CMS. Physical Review D, 2019, 100, .	4.7	11
26	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
27	Ultrahigh energy cosmic ray deflection by the intergalactic magnetic field. Physical Review D, 2021, 104, .	4.7	9
28	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
29	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
30	ANOMALY DRIVEN SIGNATURES OF EXTRA $U(1)$'s. , 2011, , .		0