

Ethan O Nadler

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,126
citations

516710

16
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. <i>Physical Review Letters</i> , 2021, 126, 091101.	7.8	144
2	The SAGA Survey. II. Building a Statistical Sample of Satellite Systems around Milky Way-like Galaxies. <i>Astrophysical Journal</i> , 2021, 907, 85.	4.5	115
3	Constraints on Dark Matter Microphysics from the Milky Way Satellite Population. <i>Astrophysical Journal Letters</i> , 2019, 878, L32.	8.3	110
4	Milky Way Satellite Census. I. The Observational Selection Function for Milky Way Satellites in DES Y3 and Pan-STARRS DR1. <i>Astrophysical Journal</i> , 2020, 893, 47.	4.5	110
5	Milky Way Satellite Census. II. Galaxy Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2020, 893, 48.	4.5	101
6	Dark Matter Constraints from a Unified Analysis of Strong Gravitational Lenses and Milky Way Satellite Galaxies. <i>Astrophysical Journal</i> , 2021, 917, 7.	4.5	56
7	Modeling the Connection between Subhalos and Satellites in Milky Way-like Systems. <i>Astrophysical Journal</i> , 2019, 873, 34.	4.5	55
8	Two Ultra-faint Milky Way Stellar Systems Discovered in Early Data from the DECam Local Volume Exploration Survey. <i>Astrophysical Journal</i> , 2020, 890, 136.	4.5	49
9	The DECam Local Volume Exploration Survey: Overview and First Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 2.	7.7	47
10	Modeling the Impact of Baryons on Subhalo Populations with Machine Learning. <i>Astrophysical Journal</i> , 2018, 859, 129.	4.5	46
11	Search for RR Lyrae stars in DES ultrafaint systems: Grus I, Kim 2, Phoenix II, and Grus II. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2183-2199.	4.4	35
12	Signatures of Velocity-dependent Dark Matter Self-interactions in Milky Way-mass Halos. <i>Astrophysical Journal</i> , 2020, 896, 112.	4.5	34
13	Bounds on Velocity-dependent Dark Matter Proton Scattering from Milky Way Satellite Abundance. <i>Astrophysical Journal Letters</i> , 2021, 907, L46.	8.3	31
14	Observational constraints on dark matter scattering with electrons. <i>Physical Review D</i> , 2021, 104, .	4.7	23
15	Snowmass2021 theory frontier white paper: Astrophysical and cosmological probes of dark matter. <i>Journal of High Energy Astrophysics</i> , 2022, 35, 112-138.	6.7	20
16	Identification of RR Lyrae Stars in Multiband, Sparsely Sampled Data from the Dark Energy Survey Using Template Fitting and Random Forest Classification. <i>Astronomical Journal</i> , 2019, 158, 16.	4.7	16
17	Constraints on the epoch of dark matter formation from Milky Way satellites. <i>Physical Review D</i> , 2021, 103, .	4.7	16
18	The Effects of Dark Matter and Baryonic Physics on the Milky Way Subhalo Population in the Presence of the Large Magellanic Cloud. <i>Astrophysical Journal Letters</i> , 2021, 920, L11.	8.3	16

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19	Milky Way Satellite Census. IV. Constraints on Decaying Dark Matter from Observations of Milky Way Satellite Galaxies. <i>Astrophysical Journal</i> , 2022, 932, 128.	4.5	16
20	Color associations in abstract semantic domains. <i>Cognition</i> , 2020, 201, 104306.	2.2	14
21	UniverseMachine: Predicting Galaxy Star Formation over Seven Decades of Halo Mass with Zoom-in Simulations. <i>Astrophysical Journal</i> , 2021, 915, 116.	4.5	12
22	Extending the SAGA Survey (xSAGA). I. Satellite Radial Profiles as a Function of Host-galaxy Properties. <i>Astrophysical Journal</i> , 2022, 927, 121.	4.5	11
23	The Signatures of Self-interacting Dark Matter and Subhalo Disruption on Cluster Substructure. <i>Astrophysical Journal</i> , 2022, 932, 30.	4.5	11
24	Tidal disruption of solitons in self-interacting ultralight axion dark matter. <i>Physical Review D</i> , 2022, 105, .	4.7	9
25	On the apparent power law in CDM halo pseudo-phase space density profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 500-511.	4.4	5
26	Searching for Dwarf Galaxies in Gaia DR2 Phase-space Data Using Wavelet Transforms. <i>Astrophysical Journal</i> , 2021, 915, 48.	4.5	5