

Herman Thomas Diehl

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,122
citations

218381

26
h-index

264894

42
g-index

42
all docs

42
docs citations

42
times ranked

4381
citing authors

#	ARTICLE	IF	CITATIONS
1	From the Fire: A Deeper Look at the Phoenix Stream. <i>Astrophysical Journal</i> , 2022, 925, 118.	1.6	8
2	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 15.	3.0	21
3	A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 41.	3.0	27
4	The Dark Energy Survey Bright Arcs Survey: Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey 5000 Square Degree Footprint. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 27.	3.0	4
5	The Observed Evolution of the Stellar Mass–Halo Mass Relation for Brightest Central Galaxies. <i>Astrophysical Journal</i> , 2022, 928, 28.	1.6	11
6	SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. <i>Astrophysical Journal</i> , 2022, 929, 115.	1.6	9
7	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 18.	3.0	56
8	The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev–Zeldovich Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 3.	3.0	118
9	No Evidence for Orbital Clustering in the Extreme Trans-Neptunian Objects. <i>Planetary Science Journal</i> , 2021, 2, 59.	1.5	29
10	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. <i>Astrophysical Journal</i> , 2021, 911, 109.	1.6	18
11	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 24.	3.0	93
12	The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 20.	3.0	120
13	A Deeper Look at DES Dwarf Galaxy Candidates: Grus i and Indus ii. <i>Astrophysical Journal</i> , 2021, 916, 81.	1.6	14
14	C/2014 UN ₂₇₁ (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. <i>Astrophysical Journal Letters</i> , 2021, 921, L37.	3.0	21
15	Observation and confirmation of nine strong-lensing systems in Dark Energy Survey Year 1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1308-1322.	1.6	6
16	Trans-Neptunian Objects Found in the First Four Years of the Dark Energy Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 32.	3.0	27
17	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 16.	3.0	33
18	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.	1.6	110

#	ARTICLE	IF	CITATIONS
19	Constraints on the Physical Properties of GW190814 through Simulations Based on DECam Follow-up Observations by the Dark Energy Survey. <i>Astrophysical Journal</i> , 2020, 901, 83.	1.6	28
20	A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. <i>Astrophysical Journal</i> , 2020, 903, 75.	1.6	8
21	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 25.	3.0	101
22	An Extended Catalog of Galaxy-Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 17.	3.0	77
23	Astrometry and Occultation Predictions to Trans-Neptunian and Centaur Objects Observed within the Dark Energy Survey. <i>Astronomical Journal</i> , 2019, 157, 120.	1.9	8
24	Finding high-redshift strong lenses in DES using convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5330-5349.	1.6	62
25	A DECam Search for Explosive Optical Transients Associated with IceCube Neutrino Alerts. <i>Astrophysical Journal</i> , 2019, 883, 125.	1.6	8
26	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 33.	3.0	192
27	Forward Global Photometric Calibration of the Dark Energy Survey. <i>Astronomical Journal</i> , 2018, 155, 41.	1.9	74
28	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 18.	3.0	455
29	The Dark Energy Survey Image Processing Pipeline. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 074501.	1.0	161
30	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <i>Astrophysical Journal Letters</i> , 2017, 839, L15.	3.0	28
31	Astrometric Calibration and Performance of the Dark Energy Camera. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 074503.	1.0	40
32	Discovery of the Lensed Quasar System DES J0408-5354. <i>Astrophysical Journal Letters</i> , 2017, 838, L15.	3.0	32
33	The DES Bright Arcs Survey: Hundreds of Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey Science Verification and Year 1 Observations. <i>Astrophysical Journal, Supplement Series</i> , 2017, 232, 15.	3.0	48
34	OBSERVATION AND CONFIRMATION OF SIX STRONG-LENSING SYSTEMS IN THE DARK ENERGY SURVEY SCIENCE VERIFICATION DATA*. <i>Astrophysical Journal</i> , 2016, 827, 51.	1.6	21
35	A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. <i>Astrophysical Journal Letters</i> , 2016, 826, L29.	3.0	38
36	The dark energy survey and operations: years 1 to 3. <i>Proceedings of SPIE</i> , 2016, , .	0.8	23

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37	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015, 150, 172.	1.9	128
38	THE DARK ENERGY CAMERA. <i>Astronomical Journal</i> , 2015, 150, 150.	1.9	718
39	Discovery of two gravitationally lensed quasars in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1260-1265.	1.6	41
40	DES J0454+4448: discovery of the first luminous $z \sim 6$ quasar from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3952-3961.	1.6	60
41	A Systematic Search for High Surface Brightness Giant Arcs in a Sloan Digital Sky Survey Cluster Sample. <i>Astrophysical Journal</i> , 2007, 660, 1176-1185.	1.6	42