

Anais MÃ¶ller

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

4,698
citations

159585

30
h-index

123424

61
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63
all docs

63
docs citations

63
times ranked

4716
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved cosmological constraints from a joint analysis of the SDSS-II and SNLS supernova samples. <i>Astronomy and Astrophysics</i> , 2014, 568, A22.	5.1	1,422
2	Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing. <i>Physical Review D</i> , 2018, 98, .	4.7	751
3	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. <i>Astrophysical Journal Letters</i> , 2019, 872, L30.	8.3	201
4	Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 592-610.	4.4	145
5	First cosmological results using Type Ia supernovae from the Dark Energy Survey: measurement of the Hubble constant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2184-2196.	4.4	143
6	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	3.4	142
7	Rapidly evolving transients in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 894-917.	4.4	109
8	FRB microstructure revealed by the real-time detection of FRB170827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1209-1217.	4.4	107
9	Dark Energy Survey year 1 results: Galaxy clustering for combined probes. <i>Physical Review D</i> , 2018, 98, .	4.7	102
10	First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation. <i>Astrophysical Journal</i> , 2019, 874, 150.	4.5	92
11	SuperNNova: an open-source framework for Bayesian, neural network-based supernova classification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4277-4293.	4.4	89
12	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , 2019, 122, 171301.	7.8	86
13	Dependence of Type Ia supernova luminosities on their local environment. <i>Astronomy and Astrophysics</i> , 2018, 615, A68.	5.1	69
14	OzDES multifibre spectroscopy for the Dark Energy Survey: 3-yr results and first data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 273-288.	4.4	65
15	Dark Energy Survey Year 1 results: cross-correlation redshifts " methods and systematics characterization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1664-1682.	4.4	63
16	First cosmology results using type Ia supernovae from the Dark Energy Survey: the effect of host galaxy properties on supernova luminosity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4426-4447.	4.4	63
17	First cosmology results using Type Ia supernova from the Dark Energy Survey: simulations to correct supernova distance biases. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1171-1187.	4.4	62
18	How Many Kilonovae Can Be Found in Past, Present, and Future Survey Data Sets?. <i>Astrophysical Journal Letters</i> , 2018, 852, L3.	8.3	60

#	ARTICLE	IF	CITATIONS
19	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. <i>Astrophysical Journal</i> , 2019, 874, 106.	4.5	60
20	Photometric classification of type Ia supernovae in the SuperNova Legacy Survey with supervised learning. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 008-008.	5.4	44
21	OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 19-35.	4.4	43
22	<sc>fink</sc>, a new generation of broker for the LSST community. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3272-3288.	4.4	42
23	The effect of environment on Type Ia supernovae in the Dark Energy Survey three-year cosmological sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4861-4876.	4.4	42
24	Diffuse Galactic antimatter from faint thermonuclear supernovae in old stellar populations. <i>Nature Astronomy</i> , 2017, 1, .	10.1	40
25	A nearby super-luminous supernova with a long pre-maximum & plateau and strong C II features. <i>Astronomy and Astrophysics</i> , 2018, 620, A67.	5.1	36
26	Dark Energy Survey Year 3 results: A 2.7% measurement of baryon acoustic oscillation distance scale at redshift 0.835. <i>Physical Review D</i> , 2022, 105, .	4.7	36
27	Black hole mass measurements with the Australian Dark Energy Survey (OzDES). <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3650-3663.	4.4	35
28	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 16.	7.7	33
29	Convolutional neural networks for transient candidate vetting in large-scale surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3101-3114.	4.4	32
30	A fast radio burst with frequency-dependent polarization detected during Breakthrough Listen observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3636-3646.	4.4	31
31	Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4040-4060.	4.4	30
32	Constraining the Λ CDM and Galileon models with recent cosmological data. <i>Astronomy and Astrophysics</i> , 2017, 600, A40.	5.1	28
33	The SkyMapper Transient Survey. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	3.4	27
34	First Cosmology Results using Supernovae Ia from the Dark Energy Survey: Survey Overview, Performance, and Supernova Spectroscopy. <i>Astronomical Journal</i> , 2020, 160, 267.	4.7	27
35	The host galaxies of 106 rapidly evolving transients discovered by the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2575-2593.	4.4	24
36	OzDES Reverberation Mapping Programme: the first Mg II lags from 5 yr of monitoring. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3771-3788.	4.4	24

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37	Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. <i>Astrophysical Journal</i> , 2018, 854, 37.	4.5	23
38	First experimental constraints on the disformally coupled Galileon model. <i>Astronomy and Astrophysics</i> , 2014, 569, A90.	5.1	22
39	Probing the extragalactic fast transient sky at minute time-scales with DECam. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5852-5866.	4.4	22
40	Steve: A Hierarchical Bayesian Model for Supernova Cosmology. <i>Astrophysical Journal</i> , 2019, 876, 15.	4.5	19
41	Supernova Siblings: Assessing the Consistency of Properties of Type Ia Supernovae that Share the Same Parent Galaxies. <i>Astrophysical Journal Letters</i> , 2020, 896, L13.	8.3	19
42	The first Hubble diagram and cosmological constraints using superluminous supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2535-2549.	4.4	18
43	The Dark Energy Survey supernova programme: modelling selection efficiency and observed core-collapse supernova contamination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2819-2839.	4.4	17
44	SCONE: Supernova Classification with a Convolutional Neural Network. <i>Astronomical Journal</i> , 2021, 162, 67.	4.7	17
45	DES science portal: Computing photometric redshifts. <i>Astronomy and Computing</i> , 2018, 25, 58-80.	1.7	16
46	First cosmology results using Type Ia supernovae from the dark energy survey: effects of chromatic corrections to supernova photometry on measurements of cosmological parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5329-5344.	4.4	16
47	DES Y1 results: Splitting growth and geometry to test Λ CDM. <i>Physical Review D</i> , 2021, 103, .	4.7	16
48	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4860-4892.	4.4	12
49	SkyMapper optical follow-up of gravitational wave triggers: Alert science data pipeline and LIGO/Virgo O3 run. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	10
50	DES16C3cje: A low-luminosity, long-lived supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 95-110.	4.4	8
51	Dark Energy Survey Year 3 results: galaxy sample for BAO measurement. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 778-799.	4.4	8
52	The dark energy survey 5-yr photometrically identified type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 5159-5177.	4.4	8
53	Weak lensing of Type Ia Supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4051-4059.	4.4	7
54	The Dark Energy Survey supernova program: cosmological biases from supernova photometric classification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 1106-1127.	4.4	7

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55	Dark Energy Survey identification of a low-mass active galactic nucleus at redshift 0.823 from optical variability. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3636-3647.	4.4	6
56	The mystery of photometric twins DES17X1boj and DES16E2bjy. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5576-5589.	4.4	5
57	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. Astrophysical Journal, 2022, 927, 109.	4.5	5
58	Understanding the extreme luminosity of DES14X2fna. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3950-3967.	4.4	4
59	Fink: Early supernovae Ia classification using active learning. Astronomy and Astrophysics, 2022, 663, A13.	5.1	4
60	SNIa detection in the SNLS photometric analysis using Morphological Component Analysis. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 041-041.	5.4	2
61	First Results of the SkyMapper Transient Survey. Proceedings of the International Astronomical Union, 2017, 14, 3-6.	0.0	1
62	Active learning with RESSPECT: Resource allocation for extragalactic astronomical transients. , 2020, , .		1
63	Extended treatment of the non-ideal effects in streaming dust-acoustic instabilities. Physica Scripta, 2008, T131, 014041.	2.5	0