

Johannes Buchner

List of Publications by Year in descending order

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59
papers

21,792
citations

147801

31
h-index

144013

57
g-index

59
all docs

59
docs citations

59
times ranked

29420
citing authors

#	ARTICLE	IF	CITATIONS
1	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A9.	5.1	6
2	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A15.	5.1	17
3	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A8.	5.1	8
4	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A2.	5.1	54
5	Systematic evaluation of variability detection methods for eROSITA. <i>Astronomy and Astrophysics</i> , 2022, 661, A18.	5.1	6
6	Establishing the X-ray source detection strategy for eROSITA with simulations. <i>Astronomy and Astrophysics</i> , 2022, 661, A27.	5.1	18
7	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
8	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A3.	5.1	50
9	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A5.	5.1	41
10	The complex time and energy evolution of quasi-periodic eruptions in eRO-QPE1. <i>Astronomy and Astrophysics</i> , 2022, 662, A49.	5.1	14
11	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A4.	5.1	23
12	The eROSITA Final Equatorial Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A1.	5.1	144
13	An Intuition for Physicists: Information Gain From Experiments. <i>Research Notes of the AAS</i> , 2022, 6, 89.	0.7	3
14	Nested sampling for physical scientists. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	40
15	First constraints on the AGN X-ray luminosity function at $z \sim 6$ from an eROSITA-detected quasar. <i>Astronomy and Astrophysics</i> , 2021, 647, A5.	5.1	26
16	AT 2019avd: a novel addition to the diverse population of nuclear transients. <i>Astronomy and Astrophysics</i> , 2021, 647, A9.	5.1	21
17	Dalek: A Deep Learning Emulator for TARDIS. <i>Astrophysical Journal Letters</i> , 2021, 910, L23.	8.3	12
18	UltraNest - a robust, general purpose Bayesian inference engine. <i>Journal of Open Source Software</i> , 2021, 6, 3001.	4.6	131

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19	X-ray quasi-periodic eruptions from two previously quiescent galaxies. <i>Nature</i> , 2021, 592, 704-707.	27.8	82
20	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2021, 649, L11.	5.1	7
21	Bayesian X-ray Analysis (BXA) v4.0. <i>Journal of Open Source Software</i> , 2021, 6, 3045.	4.6	3
22	Beyond Simple AGN Unification with Chandra-observed 3CRR Sources at $0.5 < z < 1$. <i>Astrophysical Journal</i> , 2021, 913, 134.	4.5	11
23	Probabilistic Reconstruction of Type Ia Supernova SN 2002bo. <i>Astrophysical Journal Letters</i> , 2021, 916, L14.	8.3	5
24	Physically motivated X-ray obscurer models. <i>Astronomy and Astrophysics</i> , 2021, 651, A58.	5.1	22
25	Inferring the morphology of AGN torus using X-ray spectra: a reliability study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5485-5510.	4.4	7
26	Relativistic accretion disc reflection in AGN X-ray spectra at $z = 0.5$: a study of four Chandra Deep Fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5284-5298.	4.4	9
27	The final SDSS-IV/SPIDERS X-ray point source spectroscopic catalogue. <i>Astronomy and Astrophysics</i> , 2020, 636, A97.	5.1	27
28	Probabilistic Detection of Spectral Line Components. <i>Astrophysical Journal Letters</i> , 2020, 892, L32.	8.3	9
29	SciPy 1.0: fundamental algorithms for scientific computing in Python. <i>Nature Methods</i> , 2020, 17, 261-272.	19.0	17,539
30	Exploring the diversity of Type 1 active galactic nuclei identified in SDSS-IV/SPIDERS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3580-3601.	4.4	21
31	Quantifying the Bayesian Evidence for a Planet in Radial Velocity Data. <i>Astronomical Journal</i> , 2020, 159, 73.	4.7	42
32	The MAVERIC Survey: Chandra/ACIS Catalog of Faint X-Ray Sources in 38 Galactic Globular Clusters. <i>Astrophysical Journal</i> , 2020, 901, 57.	4.5	26
33	The Sloan Digital Sky Survey Reverberation Mapping Project: the XMM-Newton X-Ray Source Catalog and Multiband Counterparts. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 32.	7.7	15
34	Collaborative Nested Sampling: Big Data versus Complex Physical Models. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 108005.	3.1	80
35	Active galactic nuclei and their large-scale structure: an eROSITA mock catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2005-2029.	4.4	40
36	The Accretion History of AGNs. I. Supermassive Black Hole Population Synthesis Model. <i>Astrophysical Journal</i> , 2019, 871, 240.	4.5	92

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37	On the Prevalence of Supermassive Black Holes over Cosmic Time. <i>Astrophysical Journal</i> , 2019, 874, 117.	4.5	15
38	X-ray spectral and eclipsing model of the clumpy obscurer in active galactic nuclei. <i>Astronomy and Astrophysics</i> , 2019, 629, A16.	5.1	46
39	Finding counterparts for all-sky X-ray surveys with Nway: a Bayesian algorithm for cross-matching multiple catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4937-4955.	4.4	108
40	Cosmic evolution and metal aversion in superluminous supernova host galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1258-1285.	4.4	120
41	New Spectral Model for Constraining Torus Covering Factors from Broadband X-Ray Spectra of Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2018, 854, 42.	4.5	161
42	Low-frequency View of GW170817/GRB 170817A with the Giant Metrewave Radio Telescope. <i>Astrophysical Journal</i> , 2018, 867, 57.	4.5	79
43	XZ: Deriving redshifts from X-ray spectra of obscured AGN. <i>Astronomy and Astrophysics</i> , 2018, 618, A66.	5.1	19
44	X-UDS: The <i>Chandra</i> Legacy Survey of the UKIDSS Ultra Deep Survey Field. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 48.	7.7	55
45	X-Ray Bolometric Corrections for Compton-thick Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2017, 844, 10.	4.5	24
46	ALMA and GMRT Constraints on the Off-axis Gamma-Ray Burst 170817A from the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L21.	8.3	49
47	Galaxy gas as obscurer I. GRBs x-ray galaxies and find an $N_{\text{H}}^{\text{propto}} M_{\text{star}}$ relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4545-4566.	4.4	36
48	X-ray constraints on the fraction of obscured active galactic nuclei at high accretion luminosities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 3232-3251.	4.4	32
49	Galaxy gas as obscurer II. Separating the galaxy-scale and nuclear obscurers of active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4348-4362.	4.4	63
50	The Sloan Digital Sky Survey Quasar Catalog: Twelfth data release. <i>Astronomy and Astrophysics</i> , 2017, 597, A79.	5.1	337
51	SPIDERS: selection of spectroscopic targets using AGN candidates detected in all-sky X-ray surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1065-1095.	4.4	38
52	A spectroscopic survey of X-ray-selected AGNs in the northern XMM-XXL field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 110-132.	4.4	81
53	X-ray spectral properties of the AGN sample in the northern XMM-XXL field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 1602-1625.	4.4	71
54	A statistical test for Nested Sampling algorithms. <i>Statistics and Computing</i> , 2016, 26, 383-392.	1.5	100

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55	OBSCURATION-DEPENDENT EVOLUTION OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , 2015, 802, 89.	4.5	214
56	X-ray spectral modelling of the AGN obscuring region in the CDFS: Bayesian model selection and catalogue. <i>Astronomy and Astrophysics</i> , 2014, 564, A125.	5.1	963
57	CANDELS/GOODS-S, CDFS, AND ECDFS: PHOTOMETRIC REDSHIFTS FOR NORMAL AND X-RAY-DETECTED GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 60.	4.5	117
58	Relativistic reflection from accretion disks in the population of Active Galactic Nuclei at $z=0.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	7
59	Dramatic X-ray spectral variability of a Compton-thick type-1 QSO at $z \approx 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	1