Sven Buder

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4326152/publications.pdf

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57	2,292	257450	223800
papers	citations	24 h-index	46 g-index

57	57	57	2003
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The GALAH+ survey: Third data release. Monthly Notices of the Royal Astronomical Society, 2021, 506, 150-201.	4.4	293
2	The GALAH Survey: second data release. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4513-4552.	4.4	269
3	The GALAH survey: observational overview andGaiaDR1 companion. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3203-3219.	4.4	157
4	The GALAH survey and Gaia DR2: dissecting the stellar discâ€™s phase space by age, action, chemistry, and location. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1167-1191.	4.4	145
5	Abundance Estimates for 16 Elements in 6 Million Stars from LAMOST DR5 Low-Resolution Spectra. Astrophysical Journal, Supplement Series, 2019, 245, 34.	7.7	130
6	The TESSâ€“HERMES survey data release 1: high-resolution spectroscopy of the TESS southern continuous viewing zone. Monthly Notices of the Royal Astronomical Society, 2018, 473, 2004-2019.	4.4	109
7	The GALAH survey: An abundance, age, and kinematic inventory of the solar neighbourhood made with TGAS. Astronomy and Astrophysics, 2019, 624, A19.	5.1	91
8	The GALAH survey: tracing the Galactic disc with open clusters. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3279-3296.	4.4	63
9	The GALAH survey and Gaia DR2: Linking ridges, arches, and vertical waves in the kinematics of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4962-4979.	4.4	58
10	The GALAH Survey: non-LTE departure coefficients for large spectroscopic surveys. Astronomy and Astrophysics, 2020, 642, A62.	5.1	55
11	The K2-HERMES Survey: age and metallicity of the thick disc. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5335-5352.	4.4	54
12	GaiaFGK benchmark stars: opening the black box of stellar element abundance determination. Astronomy and Astrophysics, 2017, 601, A38.	5.1	46
13	The GALAH survey: chemodynamics of the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2952-2964.	4.4	46
14	The GALAH survey: effective temperature calibration from the InfraRed Flux Method in the Gaia system. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2684-2696.	4.4	46
15	The GALAH Survey: chemical tagging and chrono-chemodynamics of accreted halo stars with GALAH+ DR3 and Gaia eDR3. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2407-2436.	4.4	44
16	The GALAH survey: verifying abundance trends in the open cluster M67 using non-LTE modelling. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2666-2684.	4.4	41
17	The K2-HERMES Survey. I. Planet-candidate Properties from K2 Campaigns 1â€“3. Astronomical Journal, 2018, 155, 84.	4.7	38
18	The GALAH survey: properties of the Galactic disc(s) in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2018, 476, 5216-5232.	4.4	36

#	Article	IF	Citations
19	The GALAH survey: chemical tagging of star clusters and new members in the Pleiades. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4612-4633.	4.4	35
20	Fundamental relations for the velocity dispersion of stars in the Milky Way. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1761-1776.	4.4	35
21	The GALAH survey: multiple stars and our Galaxy. Astronomy and Astrophysics, 2020, 638, A145.	5.1	34
22	The GALAH survey: stellar streams and how stellar velocity distributions vary with Galactic longitude, hemisphere, and metallicity. Monthly Notices of the Royal Astronomical Society, 2018, 478, 228-254.	4.4	28
23	Abundances in the Milky Way across Five Nucleosynthetic Channels from 4 Million LAMOST Stars. Astrophysical Journal, 2020, 898, 58.	4.5	28
24	The GALAH survey and Gaia DR2: (non-)existence of five sparse high-latitude open clusters. Monthly Notices of the Royal Astronomical Society, 2018, 480, 5242-5259.	4.4	25
25	Milky Way Tomography with the SkyMapper Southern Survey. II. Photometric Recalibration of SMSS DR2. Astrophysical Journal, 2021, 907, 68.	4.5	25
26	The GALAH survey: accurate radial velocities and library of observed stellar template spectra. Monthly Notices of the Royal Astronomical Society, 2018, 481, 645-654.	4.4	24
27	The challenge of simultaneously matching the observed diversity of chemical abundance patterns in cosmological hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3365-3387.	4.4	24
28	The GALAH survey: A census of lithium-rich giant stars. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	22
29	Discovery of a 21 Myr old stellar population in the Orion complex. Astronomy and Astrophysics, 2019, 631, A166.	5.1	21
30	The GALAH survey: temporal chemical enrichment of the galactic disc. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2043-2056.	4.4	21
31	The GALAH survey: a new constraint on cosmological lithium and Galactic lithium evolution from warm dwarf stars. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 497, L30-L34.	3.3	20
32	The Pristine Inner Galaxy Survey (PIGS) III: carbon-enhanced metal-poor stars in the bulge. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1239-1253.	4.4	20
33	The K2 Galactic Archaeology Program Data Release 3: Age-abundance Patterns in C1â€“C8 and C10â€“C18. Astrophysical Journal, 2022, 926, 191.	4.5	19
34	The GALAH Survey: dependence of elemental abundances on age and metallicity for stars in the Galactic disc. Monthly Notices of the Royal Astronomical Society, 2021, 510, 734-752.	4.4	17
35	The GALAH Survey: Chemically tagging the Fimbulthul stream to the globular cluster Ï‰ Centauri. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3374-3384.	4.4	15
36	Chemically Peculiar A and F Stars with Enhanced s-process and Iron-peak Elements: Stellar Radiative Acceleration at Work. Astrophysical Journal, 2020, 898, 28.	4.5	13

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37	The GALAH Survey: lithium-strong KM dwarfs. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4591-4600.	4.4	12
38	The GALAH survey: co-orbiting stars and chemical tagging. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5302-5315.	4.4	12
39	The GALAH survey: Chemical homogeneity of the Orion complex. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4232-4250.	4.4	11
40	The GALAH survey: accreted stars also inhabit the Spite plateau. Monthly Notices of the Royal Astronomical Society, 2021, 507, 43-54.	4.4	11
41	Holistic spectroscopy: complete reconstruction of a wide-field, multiobject spectroscopic image using a photonic comb. Monthly Notices of the Royal Astronomical Society, 2018, 480, 5475-5494.	4.4	10
42	A Data-driven Model of Nucleosynthesis with Chemical Tagging in a Lower-dimensional Latent Space. Astrophysical Journal, 2019, 887, 73.	4.5	9
43	The GALAH Survey: using galactic archaeology to refine our knowledge of TESS target stars. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4968-4989.	4.4	9
44	Combined APOGEE-GALAH stellar catalogues using the Cannon. Monthly Notices of the Royal Astronomical Society, 2022, 513, 232-255.	4.4	9
45	Residual Abundances in GALAH DR3: Implications for Nucleosynthesis and Identification of Unique Stellar Populations. Astrophysical Journal, 2022, 931, 23.	4.5	8
46	K2-HERMES II. Planet-candidate properties from K2 Campaigns 1-13. Monthly Notices of the Royal Astronomical Society, 2020, 496, 851-863.	4.4	7
47	The GALAH Survey: No Chemical Evidence of an Extragalactic Origin for the Nyx Stream. Astrophysical Journal Letters, 2021, 912, L30.	8.3	7
48	The GALAH+ Survey: A new library of observed stellar spectra improves radial velocities and hints at motions within M67. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	7
49	The GALAH survey: characterization of emission-line stars with spectral modelling using autoencoders. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4849-4865.	4.4	7
50	Neutron-capture elements record the ordered chemical evolution of the disc over time. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5477-5504.	4.4	7
51	The GALAH survey: a catalogue of carbon-enhanced stars and CEMP candidates. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3196-3212.	4.4	6
52	The GALAH Survey: A New Sample of Extremely Metal-poor Stars Using a Machine-learning Classification Algorithm. Astrophysical Journal, 2022, 930, 47.	4.5	5
53	The GALAH survey: unresolved triple Sun-like stars discovered by the Gaia mission. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2474-2490.	4.4	4
54	The GALAH Survey: improving our understanding of confirmed and candidate planetary systems with large stellar surveys. Monthly Notices of the Royal Astronomical Society, 2021, 510, 2041-2060.	4.4	3

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55	Erratum â€œMilky Way Tomography with the SkyMapper Southern Survey. II. Photometric Recalibration of SMSS DR2â€•(2021, ApJ, 907, 68). Astrophysical Journal, 2022, 924, 141.	4.5	1
56	Estimation of ages and masses via carbon and nitrogen abundances for 556 007 giants from LAMOST. Research in Astronomy and Astrophysics, 2021, 21, 216.	1.7	0
57	Followâ€up observations of the binary system Î³ Cep. Astronomische Nachrichten, 0, , .	1.2	0