Sanjib Sharma

List of Publications by Year in Descending Order

42 papers	1,828 citations	18 h-index	42 g-index
45 ext. papers	2,458 ext. citations	4.6 avg, IF	4.47 L-index

#	Paper	IF	Citations
42	The Global Dynamical Atlas of the Milky Way Mergers: Constraints from Gaia EDR3-based Orbits of Globular Clusters, Stellar Streams, and Satellite Galaxies. *Astrophysical Journal*, **2022**, 926, 107	4.7	8
41	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	4.3	4
40	New Families in our Solar Neighborhood: Applying Gaussian Mixture Models for Objective Classification of Structures in the Milky Way and in Simulations. *Astrophysical Journal*, **2021**, 921, 106	4.7	3
39	A Quick Look at All-sky Galactic Archeology with TESS: 158,000 Oscillating Red Giants from the MIT Quick-look Pipeline. *Astrophysical Journal*, **2021**, 919, 131	4.7	3
38	Testing the intrinsic scatter of the asteroseismic scaling relations with Kepler red giants. *Monthly Notices of the Royal Astronomical Society*, **2021**, 501, 3162-3172	4.3	7
37	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	4.3	5
36	Identification of an [α/Fe]-Enhanced Thick Disk Component in an Edge-on Milky Way Analog. *Astrophysical Journal Letters*, **2021**, 913, L11	7.9	2
35	The GALAH+ survey: Third data release. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 150-201	4.3	70
34	The GALAH survey and symbiotic stars I. Discovery and follow-up of 33 candidate accreting-only systems. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 6121-6154	4.3	4
33	Fundamental relations for the velocity dispersion of stars in the Milky Way. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 1761-1776	4.3	12
32	The GALAH survey: Chemical homogeneity of the Orion complex. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 4232-4250	4.3	3
31	The GALAH survey: accreted stars also inhabit the Spite plateau. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 43-54	4.3	4
30	The GALAH survey: tracing the Galactic disc with open clusters. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 3279-3296	4.3	23
29	Galactic potential constraints from clustering in action space of combined stellar stream data. *Monthly Notices of the Royal Astronomical Society*, **2021**, 502, 4170-4193	4.3	6
28	Chemical enrichment and radial migration in the Galactic disc - the origin of the [α/Fe] double sequence. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 5882-5901	4.3	11
27	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	4.3	10
26	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	4.3	13

25	The GALAH survey: chemodynamics of the solar neighbourhood. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 2952-2964	4.3	28
24	Synthetic Gaia Surveys from the FIRE Cosmological Simulations of Milky Way-mass Galaxies. *Astrophysical Journal, Supplement Series*, **2020**, 246, 6	8	43
23	Abundances in the Milky Way across Five Nucleosynthetic Channels from 4 Million LAMOST Stars. *Astrophysical Journal*, **2020**, 898, 58	4.7	16
22	K2-HERMES II. Planet-candidate properties from K2 Campaigns 1-13. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 851-863	4.3	5
21	The Bayesian Asteroseismology Data Modeling Pipeline and Its Application to K2 Data. *Astrophysical Journal*, **2019**, 884, 107	4.7	7
20	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	4.3	35
19	The GALAH survey and Gaia DR2: dissecting the stellar discs phase space by age, action, chemistry, and location. *Monthly Notices of the Royal Astronomical Society*, **2019**, 486, 1167-1191	4.3	93
18	The Revised TESS Input Catalog and Candidate Target List. *Astronomical Journal*, **2019**, 158, 138	4.9	272
17	The K2-HERMES Survey: age and metallicity of the thick disc. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 5335-5352	4.3	40
16	The GALAH survey: co-orbiting stars and chemical tagging. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 5302-5315	4.3	12
15	The K2-HERMES Survey. I. Planet-candidate Properties from K2 Campaigns 1-3. *Astronomical Journal*, **2018**, 155, 84	4.9	33
14	Stellar Stream and Halo Structure in the Andromeda Galaxy from a Subaru/Hyper Suprime-Cam Survey. *Astrophysical Journal*, **2018**, 853, 29	4.7	11
13	THE RADIAL VELOCITY EXPERIMENT (RAVE): FIFTH DATA RELEASE. *Astronomical Journal*, **2017**, 153, 75	4.9	334
12	Disk Heating, Galactoseismology, and the Formation of Stellar Halos. *Galaxies*, **2017**, 5, 44	2	4
11	Exploring Halo Substructure with Giant Stars. XV. Discovery of a Connection between the Monoceros Ring and the Triangulum-Andromeda Overdensity?. *Astrophysical Journal*, **2017**, 844, 74	4.7	28
10	Asteroseismology and Gaia: Testing Scaling Relations Using 2200 Kepler Stars with TGAS Parallaxes. *Astrophysical Journal*, **2017**, 844, 102	4.7	130
9	THE K2 GALACTIC ARCHAEOLOGY PROGRAM DATA RELEASE I: ASTEROSEISMIC RESULTS FROM CAMPAIGN 1. *Astrophysical Journal*, **2017**, 835, 83	4.7	66
8	The Galah Survey: Classification and Diagnostics with t-SNE Reduction of Spectral Information. *Astrophysical Journal, Supplement Series*, **2017**, 228, 24	8	34

7	Stellar Population Synthesis-based Modeling of the Milky Way using Asteroseismology of Dwarfs and Subgiants from ${boldsymbol{Kepler}}$. *Astrophysical Journal*, **2017**, 835, 163	4.7	3
6	Better Galactic Mass Models through Chemistry. *Galaxies*, **2017**, 5, 43	2	2
5	STELLAR POPULATION SYNTHESIS BASED MODELING OF THE MILKY WAY USING ASTEROSEISMOLOGY OF 13,000KEPLERRED GIANTS. *Astrophysical Journal*, **2016**, 822, 15	4.7	128
4	Modelling the Milky Way with Galaxia and making use of asteroseismology. *Astronomische Nachrichten*, **2016**, 337, 875-879	0.7	1
3	OSCILLATING RED GIANTS OBSERVED DURING CAMPAIGN 1 OF THE KEPLER K2 MISSION: NEW PROSPECTS FOR GALACTIC ARCHAEOLOGY. *Astrophysical Journal Letters*, **2015**, 809, L3	7.9	78
2	ON THE SHOULDERS OF GIANTS: PROPERTIES OF THE STELLAR HALO AND THE MILKY WAY MASS DISTRIBUTION. *Astrophysical Journal*, **2014**, 794, 59	4.7	141
1	KINEMATIC MODELING OF THE MILKY WAY USING THE RAVE AND GCS STELLAR SURVEYS. *Astrophysical Journal*, **2014**, 793, 51	4.7	96