

Cristina Chiappini

List of Publications by Citations

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94
papers

11,918
citations

34
h-index

107
g-index

107
ext. papers

13,844
ext. citations

4.7
avg, IF

4.98
L-index

#	Paper	IF	Citations
94	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2015 , 219, 12	8	1504
93	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011 , 142, 72	4.9	1438
92	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 193, 29	8	1063
91	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2012 , 203, 21	8	1029
90	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 211, 17	8	760
89	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017 , 154, 28	4.9	733
88	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017 , 154, 94	4.9	713
87	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 235, 42	8	657
86	Abundance Gradients and the Formation of the Milky Way. <i>Astrophysical Journal</i> , 2001 , 554, 1044-1058	4.7	478
85	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 249, 3	8	363
84	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2015 , 808, 132	4.7	360
83	THE RADIAL VELOCITY EXPERIMENT (RAVE): FIFTH DATA RELEASE. <i>Astronomical Journal</i> , 2017 , 153, 75	4.9	334
82	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2017 , 233, 25	8	284
81	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. <i>Astrophysical Journal</i> , 2014 , 796, 38	4.7	149
80	Bayesian distances and extinctions for giants observed by Kepler and APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 2758-2776	4.3	119
79	s-process production in rotating massive stars at solar and low metallicities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 456, 1803-1825	4.3	114
78	Chemical tagging with APOGEE: discovery of a large population of N-rich stars in the inner Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 501-524	4.3	114

77	Young α -enriched giant stars in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 2230-2243	4.3	106
76	Chemodynamical History of the Galactic Bulge. <i>Annual Review of Astronomy and Astrophysics</i> , 2018 , 56, 223-276	31.7	100
75	Imprints of fast-rotating massive stars in the Galactic Bulge. <i>Nature</i> , 2011 , 472, 454-7	50.4	92
74	4MOST: 4-metre multi-object spectroscopic telescope 2012 ,		88
73	Is High Primordial Deuterium Consistent with Galactic Evolution?. <i>Astrophysical Journal</i> , 1998 , 498, 226-235	4.7	68
72	Light element evolution resulting from WMAP data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 346, 295-303	4.3	66
71	Abundance gradient slopes versus mass in spheroids: predictions by monolithic models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 407, 1347-1359	4.3	63
70	THE METALLICITY DISTRIBUTION FUNCTIONS OF SEGUE G AND K DWARFS: CONSTRAINTS FOR DISK CHEMICAL EVOLUTION AND FORMATION. <i>Astrophysical Journal</i> , 2012 , 761, 160	4.7	62
69	The Earliest Phases of Galaxy Evolution. <i>Astrophysical Journal</i> , 1999 , 515, 226-238	4.7	61
68	The R-Process Alliance: First Release from the Northern Search for r-process-enhanced Metal-poor Stars in the Galactic Halo. <i>Astrophysical Journal</i> , 2018 , 868, 110	4.7	58
67	Deuterium astration in the local disc and beyond. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 369, 295-304	4.3	56
66	The first stars: CEMP-no stars and signatures of spinstars. <i>Astronomy and Astrophysics</i> , 2015 , 576, A56	5.1	54
65	Spectro-photometric distances to stars: A general purpose Bayesian approach. <i>Astronomy and Astrophysics</i> , 2016 , 585, A42	5.1	53
64	The Open Cluster Chemical Abundances and Mapping Survey. IV. Abundances for 128 Open Clusters Using SDSS/APOGEE DR16. <i>Astronomical Journal</i> , 2020 , 159, 199	4.9	49
63	4MOST: 4-metre Multi-Object Spectroscopic Telescope 2014 ,		44
62	4MOST: the 4-metre Multi-Object Spectroscopic Telescope project at preliminary design review 2016 ,		35
61	Do Observed Metallicity Gradients of Early-Type Galaxies Support a Hybrid Formation Scenario?. <i>Astrophysical Journal</i> , 2005 , 632, L61-L64	4.7	34
60	The Outside-In Formation of Elliptical Galaxies. <i>Astrophysical Journal</i> , 2006 , 638, 739-744	4.7	33

59	Spiral arm crossings inferred from ridges in Gaia stellar velocity distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 3132-3139	4.3	32
58	Age dissection of the Milky Way discs: Red giants in the Kepler field. <i>Astronomy and Astrophysics</i> , 2021 , 645, A85	5.1	31
57	Non-standard s-process in massive rotating stars. <i>Astronomy and Astrophysics</i> , 2018 , 618, A133	5.1	30
56	An oxygen abundance gradient into the outer disc of M81?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 422, 401-419	4.3	26
55	The Sixth Data Release of the Radial Velocity Experiment (Rave). II. Stellar Atmospheric Parameters, Chemical Abundances, and Distances. <i>Astronomical Journal</i> , 2020 , 160, 83	4.9	26
54	The Sixth Data Release of the Radial Velocity Experiment (RAVE). I. Survey Description, Spectra, and Radial Velocities. <i>Astronomical Journal</i> , 2020 , 160, 82	4.9	26
53	The Mass Surface Density in the Local Disk and the Chemical Evolution of the Galaxy. <i>Astrophysical Journal</i> , 2000 , 539, 235-240	4.7	25
52	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	8	24
51	The effects of Population III stars and variable IMF on the chemical evolution of the Galaxy. <i>New Astronomy</i> , 2006 , 11, 306-324	1.8	23
50	Stellar mass loss, rotation and the chemical enrichment of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 396, 1151-1162	4.3	21
49	How many components? Quantifying the complexity of the metallicity distribution in the Milky Way bulge with APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 1037-1057	4.3	20
48	Migration in the shearing sheet and estimates for young open cluster migration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 4450-4466	4.3	20
47	Interpretation of Abundance Ratios. <i>Publications of the Astronomical Society of Australia</i> , 2005 , 22, 49-55	5.5	19
46	SULFUR ABUNDANCES IN THE ORION ASSOCIATION B STARS. <i>Astronomical Journal</i> , 2009 , 138, 1577-1583	4.9	17
45	Constraints on CEMP-no progenitors from nuclear astrophysics. <i>Astronomy and Astrophysics</i> , 2016 , 593, A36	5.1	16
44	The metal-rich halo tail extended in $ z $: a characterization with Gaia DR2 and APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 1462-1479	4.3	13
43	Chronologically dating the early assembly of the Milky Way. <i>Nature Astronomy</i> , 2021 , 5, 640-647	12.1	12
42	The R-Process Alliance: Discovery of a Low- α -r-process-enhanced Metal-poor Star in the Galactic Halo. <i>Astrophysical Journal</i> , 2019 , 874, 148	4.7	11

41	Exploring the Galactic Warp through Asymmetries in the Kinematics of the Galactic Disk. <i>Astrophysical Journal</i> , 2020 , 905, 49	4.7	10
40	Gas accretion in Milky Way-like galaxies: temporal and radial dependencies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4.3	10
39	The chemical evolution of the Galactic thick and thin disks. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 191-196	0.1	8
38	APOGEE discovery of a chemically atypical star disrupted from NGC 6723 and captured by the Milky Way bulge. <i>Astronomy and Astrophysics</i> , 2021 , 647, A64	5.1	8
37	Prospects for Galactic and stellar astrophysics with asteroseismology of giant stars in the TESS continuous viewing zones and beyond. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 1947-1966 ⁸	4.3	8
36	Stellar Evolution at Low Metallicity. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 217-230.1	0.1	6
35	Abundance Gradients as a tool for understanding the Formation of the Milky Way. <i>Astrophysics and Space Science</i> , 2002 , 281, 253-256	1.6	6
34	All-sky visible and near infrared space astrometry. <i>Experimental Astronomy</i> , 2021 , 51, 783	1.3	6
33	Stellar Evolution in the Early Universe. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 297-304	0.1	5
32	The evolution of the oxygen abundance in the Galaxy. <i>New Astronomy Reviews</i> , 2001 , 45, 567-570	7.9	5
31	Abundance Gradients in the Galactic Disk: a Clue to Galaxy Formation. <i>Globular Clusters - Guides To Galaxies</i> , 1999 , 83-92		5
30	Abundance Patterns of α - and Neutron-capture Elements in the Helmi Stream. <i>Astrophysical Journal Letters</i> , 2021 , 913, L28	7.9	5
29	Cardinal kinematics: I. Rotation fields of the APOGEE Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , stx096	4.3	4
28	The Evolution of ^3He , ^4He and D in the Galaxy. <i>Symposium - International Astronomical Union</i> , 2000 , 198, 540-546		4
27	New Observational Constraints to Milky Way Chemodynamical Models. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015 , 111-123	0.3	3
26	Red Giant Stars: Probing the Milky Way Chemical Enrichment. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012 , 147-154	0.3	3
25	HAYDN. <i>Experimental Astronomy</i> , 1	1.3	3
24	The oldest stars of the bulge: new information on the ancient Galaxy. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 94-97	0.1	2

23	The chemodynamical evolution of the Milky Way disc – A new modeling approach. <i>Proceedings of the International Astronomical Union</i> , 2013 , 9, 130-141	0.1	2
22	Photo-chemo-dynamical analysis and the origin of the bulge globular cluster, Palomar 6. <i>Astronomy and Astrophysics</i> ,	5.1	2
21	APOGEE-2 Discovery of a Large Population of Relatively High-metallicity Globular Cluster Debris. <i>Astrophysical Journal Letters</i> , 2021 , 918, L37	7.9	2
20	The DR14 APOGEE-TGAS catalogue: Precise chemo-kinematics in the extended solar vicinity. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 153-157	0.1	1
19	Nucleosynthesis in Rotating massive stars and Abundances in the Early Galaxy. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 98-105	0.1	1
18	Sulfur Abundances in Orion B Stars. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 358-359.	0.1	1
17	CNO evolution: Milky way, dwarf galaxies and DLAs. <i>Astrophysics and Space Science</i> , 2003 , 284, 771-774	1.6	1
16	Galactic disk abundance ratios: constraining SNIa stellar yields. <i>AIP Conference Proceedings</i> , 2005 ,	0	1
15	Spectral Lines in the Ca ii Triplet Region for RAVE DR6 Chemical Abundance Pipeline. <i>Research Notes of the AAS</i> , 2018 , 2, 212	0.8	1
14	Evolution of Massive Stars along the Cosmic History	0.1	1
13	Chemical and dynamical analysis of Open Clusters from OCCASO data. The case of NGC 6705. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 124-127	0.1	1
12	How does the stellar disk of the Milky Way get its gas?. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 219-222	0.1	1
11	Precise distances to red giant stars with seismic data using the near-IR surface-brightness relation. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 368-369	0.1	1
10	Clues on the first stars from CEMP-no stars. <i>Proceedings of the International Astronomical Union</i> , 2015 , 11, 282-283	0.1	1
9	Theoretical stellar γ/α in the early Universe. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 447-452	0.1	1
8	What helium and lithium can tell us about CEMP stars?. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 141-146	0.1	1
7	Evolution and chemical and dynamical effects of high-mass stars. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 325-336	0.1	1
6	Pop III stars and the earliest phases of the evolution of galaxies and IGM. <i>Proceedings of the International Astronomical Union</i> , 2005 , 1, 135-140	0.1	1

- 5 The origin of nitrogen: the implications of very metal poor stars. *Proceedings of the International Astronomical Union*, **2005**, 1, 329-330 0.1
- 4 The Evolution of the Oxygen Abundance in the Galaxy. *Highlights of Astronomy*, **2002**, 12, 435-438
- 3 The earliest phases of galaxy evolution: massive stars. *Symposium - International Astronomical Union*, **1999**, 193, 734-735
- 2 Abundance Gradients as a Tool for Understanding the Formation of the Milky Way **2002**, 253-256
- 1 The evolution of the Milky Way's radial metallicity gradient as seen by APOGEE, CoRoT, and Gaia. *Proceedings of the International Astronomical Union*, **2018**, 14, 257-257 0.1