Cristina Chiappini

List of Publications by Year
in descending order

103 papers	15,900 citations	70961 41 h-index	58464 82 g-index
107 all docs	107 docs citations	107 times ranked	10242 citing authors

#	Article	IF	Citations
1	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12.	3.0	1,877
2	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. Astronomical Journal, 2011, 142, 72.	1.9	1,700
3	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2011, 193, 29.	3.0	1,166
4	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. Astrophysical Journal, Supplement Series, 2012, 203, 21.	3.0	1,158
5	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	1.9	1,100
6	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). Astronomical Journal, 2017, 154, 94.	1.9	1,065
7	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. Astrophysical Journal, Supplement Series, 2020, 249, 3.	3.0	826
8	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. Astrophysical Journal, Supplement Series, 2014, 211, 17.	3.0	820
9	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. Astrophysical Journal, Supplement Series, 2018, 235, 42.	3.0	796
10	Abundance Gradients and the Formation of the Milky Way. Astrophysical Journal, 2001, 554, 1044-1058.	1.6	532
11	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. Astrophysical Journal, 2015, 808, 132.	1.6	468
12	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. Astrophysical Journal, Supplement Series, 2017, 233, 25.	3.0	406
13	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. Astrophysical Journal, Supplement Series, 2022, 259, 35.	3.0	405
14	THE RADIAL VELOCITY EXPERIMENT (RAVE): FIFTH DATA RELEASE. Astronomical Journal, 2017, 153, 75.	1.9	380
15	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. Astrophysical Journal, 2014, 796, 38.	1.6	181
16	s-process production in rotating massive stars at solar and low metallicities. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1803-1825.	1.6	173
17	Chemodynamical History of the Galactic Bulge. Annual Review of Astronomy and Astrophysics, 2018, 56, 223-276.	8.1	152
18	Chemical tagging with APOGEE: discovery of a large population of N-rich stars in the inner Galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 465, 501-524.	1.6	150

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19	Bayesian distances and extinctions for giants observed by Kepler and APOGEE. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2758-2776.	1.6	148
20	Young Î±-enriched giant stars in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2230-2243.	1.6	133
21	4MOST: 4-metre multi-object spectroscopic telescope. Proceedings of SPIE, 2012, , .	0.8	118
22	Imprints of fast-rotating massive stars in the Galactic Bulge. Nature, 2011, 472, 454-457.	13.7	108
23	Photo-astrometric distances, extinctions, and astrophysical parameters for Gaia EDR3 stars brighter than G = 18.5. Astronomy and Astrophysics, 2022, 658, A91.	2.1	106
24	The Sixth Data Release of the Radial Velocity Experiment (Rave). II. Stellar Atmospheric Parameters, Chemical Abundances, and Distances. Astronomical Journal, 2020, 160, 83.	1.9	96
25	The R-Process Alliance: First Release from the Northern Search for r-process-enhanced Metal-poor Stars in the Galactic Halo. Astrophysical Journal, 2018, 868, 110.	1.6	88
26	The Open Cluster Chemical Abundances and Mapping Survey. IV. Abundances for 128 Open Clusters Using SDSS/APOGEE DR16. Astronomical Journal, 2020, 159, 199.	1.9	86
27	Age dissection of the Milky Way discs: Red giants in theKeplerfield. Astronomy and Astrophysics, 2021, 645, A85.	2.1	85
28	The Sixth Data Release of the Radial Velocity Experiment (RAVE). I. Survey Description, Spectra, and Radial Velocities. Astronomical Journal, 2020, 160, 82.	1.9	85
29	Spectro-photometric distances to stars: A general purpose Bayesian approach. Astronomy and Astrophysics, 2016, 585, A42.	2.1	74
30	The first stars: CEMP-no stars and signatures of spinstars. Astronomy and Astrophysics, 2015, 576, A56.	2.1	72
31	Is High Primordial Deuterium Consistent with Galactic Evolution?. Astrophysical Journal, 1998, 498, 226-235.	1.6	71
32	Abundance gradient slopes versus mass in spheroids: predictions by monolithic models. Monthly Notices of the Royal Astronomical Society, 2010, 407, 1347-1359.	1.6	71
33	Light element evolution resulting from WMAP data. Monthly Notices of the Royal Astronomical Society, 2003, 346, 295-303.	1.6	70
34	THE METALLICITY DISTRIBUTION FUNCTIONS OF SEGUE G AND K DWARFS: CONSTRAINTS FOR DISK CHEMICAL EVOLUTION AND FORMATION. Astrophysical Journal, 2012, 761, 160.	1.6	66
35	The Earliest Phases of Galaxy Evolution. Astrophysical Journal, 1999, 515, 226-238.	1.6	65
36	Deuterium astration in the local disc and beyond. Monthly Notices of the Royal Astronomical Society, 2006, 369, 295-304.	1.6	62

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37	Chronologically dating the early assembly of the Milky Way. Nature Astronomy, 2021, 5, 640-647.	4.2	61
38	Non-standard s-process in massive rotating stars. Astronomy and Astrophysics, 2018, 618, A133.	2.1	60
39	4MOST: 4-metre Multi-Object Spectroscopic Telescope. Proceedings of SPIE, 2014, , .	0.8	53
40	How many components? Quantifying the complexity of the metallicity distribution in the Milky Way bulge with APOGEE. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1037-1057.	1.6	44
41	Spiral arm crossings inferred from ridges in Gaia stellar velocity distributions. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3132-3139.	1.6	43
42	4MOST: the 4-metre Multi-Object Spectroscopic Telescope project at preliminary design review. Proceedings of SPIE, 2016, , .	0.8	41
43	The Outsideâ€In Formation of Elliptical Galaxies. Astrophysical Journal, 2006, 638, 739-744.	1.6	37
44	Do Observed Metallicity Gradients of Early-Type Galaxies Support a Hybrid Formation Scenario?. Astrophysical Journal, 2005, 632, L61-L64.	1.6	36
45	Prospects for Galactic and stellar astrophysics with asteroseismology of giant stars in the TESS continuous viewing zones and beyond. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1947-1966.	1.6	30
46	Exploring the Galactic Warp through Asymmetries in the Kinematics of the Galactic Disk. Astrophysical Journal, 2020, 905, 49.	1.6	30
47	An oxygen abundance gradient into the outer disc of M81â˜¼. Monthly Notices of the Royal Astronomical Society, 2012, 422, 401-419.	1.6	28
48	The Mass Surface Density in the Local Disk and the Chemical Evolution of the Galaxy. Astrophysical Journal, 2000, 539, 235-240.	1.6	28
49	Constraints on CEMP-no progenitors from nuclear astrophysics. Astronomy and Astrophysics, 2016, 593, A36.	2.1	26
50	The effects of Population III stars and variable IMF on the chemical evolution of the Galaxy. New Astronomy, 2006, 11, 306-324.	0.8	25
51	Migration in the shearing sheet and estimates for young open cluster migration. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4450-4466.	1.6	25
52	Stellar mass loss, rotation and the chemical enrichment of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1151-1162.	1.6	22
53	HAYDN. Experimental Astronomy, 2021, 51, 963-1001.	1.6	22
54	Abundance Patterns of Î± and Neutron-capture Elements in the Helmi Stream. Astrophysical Journal Letters, 2021, 913, L28.	3.0	21

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55	Interpretation of Abundance Ratios. Publications of the Astronomical Society of Australia, 2005, 22, 49-55.	1.3	20
56	SULFUR ABUNDANCES IN THE ORION ASSOCIATION B STARS. Astronomical Journal, 2009, 138, 1577-1583.	1.9	20
57	APOGEE discovery of a chemically atypical star disrupted from NGC 6723 and captured by the Milky Way bulge. Astronomy and Astrophysics, 2021, 647, A64.	2.1	20
58	The R-Process Alliance: Discovery of a Low-Î±, r-process-enhanced Metal-poor Star in the Galactic Halo. Astrophysical Journal, 2019, 874, 148.	1.6	18
59	The metal-rich halo tail extended in |z|: a characterization with Gaia DR2 and APOGEE. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1462-1479.	1.6	16
60	All-sky visible and near infrared space astrometry. Experimental Astronomy, 2021, 51, 783-843.	1.6	13
61	Galactic ArchaeoLogIcaL ExcavatiOns (GALILEO). Astronomy and Astrophysics, 2022, 663, A126.	2.1	13
62	Gas accretion in Milky Way-like galaxies: temporal and radial dependencies. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	12
63	The chemical evolution of the Galactic thick and thin disks. Proceedings of the International Astronomical Union, 2008, 4, 191-196.	0.0	11
64	Photo-chemo-dynamical analysis and the origin of the bulge globular cluster, Palomar 6. Astronomy and Astrophysics, 0, , .	2.1	9
65	Stellar Evolution at Low Metallicity. Proceedings of the International Astronomical Union, 2007, 3, 217-230.	0.0	7
66	APOGEE-2 Discovery of a Large Population of Relatively High-metallicity Globular Cluster Debris. Astrophysical Journal Letters, 2021, 918, L37.	3.0	7
67	Abundance Gradients as a tool for understanding the Formation of the Milky Way. Astrophysics and Space Science, 2002, 281, 253-256.	0.5	6
68	The 4MOST instrument concept overview. , 2014, , .		6
69	Cardinal kinematics: I. Rotation fields of the APOGEE Survey. Monthly Notices of the Royal Astronomical Society, 0, , stx096.	1.6	6
70	Abundance Gradients in the Galactic Disk: a Clue to Galaxy Formation. Globular Clusters - Guides To Galaxies, 1999, , 83-92.	0.1	6
71	The evolution of the oxygen abundance in the Galaxy. New Astronomy Reviews, 2001, 45, 567-570.	5.2	5
72	Stellar Evolution in the Early Universe. Proceedings of the International Astronomical Union, 2008, 4, 297-304.	0.0	5

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73	The Evolution of ³He, ⁴He and D in the Galaxy. Symposium - International Astronomical Union, 2000, 198, 540-546.	0.1	4
74	New Observational Constraints to Milky Way Chemodynamical Models. Thirty Years of Astronomical Discovery With UKIRT, 2015, , 111-123.	0.3	4
75	CNO evolution: Milky way, dwarf galaxies and DLAs. Astrophysics and Space Science, 2003, 284, 771-774.	0.5	3
76	The oldest stars of the bulge: new information on the ancient Galaxy. Proceedings of the International Astronomical Union, 2017, 13, 94-97.	0.0	3
77	The chemodynamical evolution of the Milky Way disc â€“ A new modeling approach. Proceedings of the International Astronomical Union, 2013, 9, 130-141.	0.0	2
78	Galactic disk abundance ratios: constraining SNIa stellar yields. AIP Conference Proceedings, 2005, , .	0.3	1
79	Nucleosynthesis in Rotating massive stars and Abundances in the Early Galaxy. Proceedings of the International Astronomical Union, 2009, 5, 98-105.	0.0	1
80	Sulfur Abundances in Orion B Stars. Proceedings of the International Astronomical Union, 2009, 5, 358-359.	0.0	1
81	The 4MOST Operations System. Proceedings of SPIE, 2016, , .	0.8	1
82	The DR14 APOGEE-TGAS catalogue: Precise chemo-kinematics in the extended solar vicinity. Proceedings of the International Astronomical Union, 2017, 13, 153-157.	0.0	1
83	How does the stellar disk of the Milky Way get its gas?. Proceedings of the International Astronomical Union, 2017, 13, 219-222.	0.0	1
84	4MOST: science operations for a large spectroscopic survey program with multiple science cases executed in parallel. , 2016, , .		1
85	Spectral Lines in the Caâ€‰ii Triplet Region for RAVE DR6 Chemical Abundance Pipeline. Research Notes of the AAS, 2018, 2, 212.	0.3	1
86	The earliest phases of galaxy evolution: massive stars. Symposium - International Astronomical Union, 1999, 193, 734-735.	0.1	0
87	The Evolution of the Oxygen Abundance in the Galaxy. Highlights of Astronomy, 2002, 12, 435-438.	0.0	0
88	Pop III stars and the earliest phases of the evolution of galaxies and IGM. Proceedings of the International Astronomical Union, 2005, 1, 135-140.	0.0	0
89	The origin of nitrogen: the implications of very metal poor stars. Proceedings of the International Astronomical Union, 2005, 1, 329-330.	0.0	0
90	Low and Intermediate Mass Stars as Tools to Understand Stellar Evolution and the Formation of the Milky Way. AIP Conference Proceedings, 2005, , .	0.3	0

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91	Mass Loss and Very Low-metallicity Stars. , 2007, , .		0
92	Were the First Stars Fast Rotators?. , 2008, , .		0
93	Evolution and chemical and dynamical effects of high-mass stars. Proceedings of the International Astronomical Union, 2008, 4, 325-336.	0.0	0
94	Theoretical stellar Î”Y/Î”O in the early Universe. Proceedings of the International Astronomical Union, 2009, 5, 447-452.	0.0	0
95	What helium and lithium can tell us about CEMP stars?. Proceedings of the International Astronomical Union, 2009, 5, 141-146.	0.0	0
96	From space to specs: requirements for 4MOST. , 2014, , .		0
97	Clues on the first stars from CEMP-no stars. Proceedings of the International Astronomical Union, 2015, 11, 282-283.	0.0	0
98	Evolution and Nucleosynthesis of Massive Stars. , 2017, , .		0
99	Chemical and dynamical analysis of Open Clusters from OCCASO data. The case of NGC 6705. Proceedings of the International Astronomical Union, 2017, 13, 124-127.	0.0	0
100	Precise distances to red giant stars with seismic data using the near-IR surface-brightness relation. Proceedings of the International Astronomical Union, 2017, 13, 368-369.	0.0	0
101	The evolution of the Milky Wayâ€™s radial metallicity gradient as seen by APOGEE, CoRoT, and Gaia. Proceedings of the International Astronomical Union, 2018, 14, 257-257.	0.0	0
102	Abundance Gradients as a Tool for Understanding the Formation of the Milky Way. , 2002, , 253-256.		0
103	Insights on the First Stars from CEMP-no Stars. , 2017, , .		0