Young Sun Lee

List of Publications by Year
in descending order

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		41344	30922
105	20,508	49	102
papers	citations	h-index	g-index

108	108	108	10155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	7.7	4,201
2	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12.	7.7	1,877
3	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. Astronomical Journal, 2011, 142, 72.	4.7	1,700
4	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	7.7	1,202
5	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2011, 193, 29.	7.7	1,166
6	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.	7.7	1,158
7	SEGUE: A SPECTROSCOPIC SURVEY OF 240,000 STARS WITHg= 14-20. Astronomical Journal, 2009, 137, 4377-4399.	4.7	905
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.	7.7	820
9	Two stellar components in the halo of the Milky Way. Nature, 2007, 450, 1020-1025.	27.8	505
10	The Milky Way Tomography with SDSS. II. Stellar Metallicity. Astrophysical Journal, 2008, 684, 287-325.	4.5	456
11	THE SEGUE STELLAR PARAMETER PIPELINE. I. DESCRIPTION AND COMPARISON OF INDIVIDUAL METHODS. Astronomical Journal, 2008, 136, 2022-2049.	4.7	417
12	STRUCTURE AND KINEMATICS OF THE STELLAR HALOS AND THICK DISKS OF THE MILKY WAY BASED ON CALIBRATION STARS FROM SLOAN DIGITAL SKY SURVEY DR7. Astrophysical Journal, 2010, 712, 692-727.	4.5	408
13	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. Astrophysical Journal, 2012, 753, 148.	4.5	341
14	A Spectroscopic Study of the Ancient Milky Way: Fâ€•and Gâ€Type Stars in the Third Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, 2006, 636, 804-820.	4.5	314
15	THE SEGUE STELLAR PARAMETER PIPELINE. II. VALIDATION WITH GALACTIC GLOBULAR AND OPEN CLUSTERS. Astronomical Journal, 2008, 136, 2050-2069.	4.7	259
16	THE SEGUE STELLAR PARAMETER PIPELINE. III. COMPARISON WITH HIGH-RESOLUTION SPECTROSCOPY OF SDSS/SEGUE FIELD STARS. Astronomical Journal, 2008, 136, 2070-2082.	4.7	208
17	FORMATION AND EVOLUTION OF THE DISK SYSTEM OF THE MILKY WAY: [Î±/Fe] RATIOS AND KINEMATICS OF THE SEGUE G-DWARF SAMPLE. Astrophysical Journal, 2011, 738, 187.	4.5	200
18	THE MILKY WAY TOMOGRAPHY WITH SDSS. III. STELLAR KINEMATICS. Astrophysical Journal, 2010, 716, 1-29.	4.5	185

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19	The Frequency of Carbon-enhanced Metal-poor Stars in the Galaxy from the HERES Sample. Astrophysical Journal, 2006, 652, L37-L40.	4.5	162
20	THE CASE FOR THE DUAL HALO OF THE MILKY WAY. Astrophysical Journal, 2012, 746, 34.	4.5	157
21	HIGH-RESOLUTION SPECTROSCOPY OF EXTREMELY METAL-POOR STARS FROM SDSS/SEGUE. I. ATMOSPHERIC PARAMETERS AND CHEMICAL COMPOSITIONS. Astronomical Journal, 2013, 145, 13.	4.7	145
22	THE SEGUE STELLAR PARAMETER PIPELINE. IV. VALIDATION WITH AN EXTENDED SAMPLE OF GALACTIC GLOBULAR AND OPEN CLUSTERS. Astronomical Journal, 2011, 141, 89.	4.7	137
23	CHEMICAL CARTOGRAPHY WITH APOGEE: LARGE-SCALE MEAN METALLICITY MAPS OF THE MILKY WAY DISK. Astronomical Journal, 2014, 147, 116.	4.7	134
24	THE SEGUE STELLAR PARAMETER PIPELINE. V. ESTIMATION OF ALPHA-ELEMENT ABUNDANCE RATIOS FROM LOW-RESOLUTION SDSS/SEGUE STELLAR SPECTRA. Astronomical Journal, 2011, 141, 90.	4.7	133
25	Galactic Globular and Open Clusters in the Sloan Digital Sky Survey. I. Crowdedâ€Field Photometry and Cluster Fiducial Sequences inugriz. Astrophysical Journal, Supplement Series, 2008, 179, 326-354.	7.7	132
26	QUANTIFYING KINEMATIC SUBSTRUCTURE IN THE MILKY WAY'S STELLAR HALO. Astrophysical Journal, 2011, 738, 79.	4.5	125
27	THE SOUTHERN PROPER MOTION PROGRAM. IV. THE SPM4 CATALOG. Astronomical Journal, 2011, 142, 15.	4.7	125
28	CARBON-ENHANCED METAL-POOR STARS IN SDSS/SEGUE. I. CARBON ABUNDANCE ESTIMATION AND FREQUENCY OF CEMP STARS. Astronomical Journal, 2013, 146, 132.	4.7	124
29	METALLICITY GRADIENTS IN THE MILKY WAY DISK AS OBSERVED BY THE SEGUE SURVEY. Astrophysical Journal, 2012, 746, 149.	4.5	123
30	CARBON-ENHANCED METAL-POOR STARS IN THE INNER AND OUTER HALO COMPONENTS OF THE MILKY WAY. Astrophysical Journal, 2012, 744, 195.	4.5	117
31	THE STELLAR METALLICITY DISTRIBUTION FUNCTION OF THE GALACTIC HALO FROM SDSS PHOTOMETRY. Astrophysical Journal, 2013, 763, 65.	4.5	113
32	A SHORT SCALE LENGTH FOR THE Î±-ENHANCED THICK DISK OF THE MILKY WAY: EVIDENCE FROM LOW-LATITUDE SEGUE DATA. Astrophysical Journal, 2012, 752, 51.	4.5	103
33	TRACING SAGITTARIUS STRUCTURE WITH SDSS AND SEGUE IMAGING AND SPECTROSCOPY. Astrophysical Journal, 2009, 700, 1282-1298.	4.5	102
34	THE VERTICAL MOTIONS OF MONO-ABUNDANCE SUB-POPULATIONS IN THE MILKY WAY DISK. Astrophysical Journal, 2012, 755, 115.	4.5	94
35	Dynamical Relics of the Ancient Galactic Halo. Astrophysical Journal, 2020, 891, 39.	4.5	94
36	INSIGHT INTO THE FORMATION OF THE MILKY WAY THROUGH COLD HALO SUBSTRUCTURE. I. THE ECHOS OF MILKY WAY FORMATION. Astrophysical Journal, 2009, 703, 2177-2204.	4.5	84

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37	THE [Fe/H], [C/Fe], AND [Î±/Fe] DISTRIBUTIONS OF THE BOÃ–TES I DWARF SPHEROIDAL GALAXY. Astrophysical Journal, 2011, 738, 51.	4.5	83
38	THE SEGUE K GIANT SURVEY. II. A CATALOG OF DISTANCE DETERMINATIONS FOR THE SEGUE K GIANTS IN THE GALACTIC HALO. Astrophysical Journal, 2014, 784, 170.	4.5	77
39	Spectro-photometric distances to stars: A general purpose Bayesian approach. Astronomy and Astrophysics, 2016, 585, A42.	5.1	74
40	POPULATION STUDIES. XIII. A NEW ANALYSIS OF THE BIDELMAN-MACCONNELL â€œWEAK-METALâ€• STARSâ€”CONFIRMATION OF METAL-POOR STARS IN THE THICK DISK OF THE GALAXY. Astrophysical Journal, 2014, 794, 58.	4.5	70
41	CARBON IN RED GIANTS IN GLOBULAR CLUSTERS AND DWARF SPHEROIDAL GALAXIES. Astrophysical Journal, 2015, 801, 125.	4.5	68
42	THE METALLICITY DISTRIBUTION FUNCTIONS OF SEGUE G AND K DWARFS: CONSTRAINTS FOR DISK CHEMICAL EVOLUTION AND FORMATION. Astrophysical Journal, 2012, 761, 160.	4.5	66
43	The R-Process Alliance: 2MASS J09544277+5246414, the Most Actinide-enhanced R-II Star Known. Astrophysical Journal Letters, 2018, 859, L24.	8.3	64
44	METAL-POOR STARS OBSERVED WITH THEMAGELLANTELESCOPE. III. NEW EXTREMELY AND ULTRA METAL-POOR STARS FROM SDSS/SEGUE AND INSIGHTS ON THE FORMATION OF ULTRA METAL-POOR STARS. Astrophysical Journal, 2015, 809, 136.	4.5	60
45	Broadband UBVR C I C Photometry of Horizontalâ€Branch and Metalâ€poor Candidates from the HK and Hamburg/ESO Surveys. I.. Astrophysical Journal, Supplement Series, 2007, 168, 128-139.	7.7	55
46	Signatures of minor mergers in the Milky Way disc - I. The SEGUE stellar sample. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3727-3739.	4.4	55
47	Galactic Archeology with the AEGIS Survey: The Evolution of Carbon and Iron in the Galactic Halo. Astrophysical Journal, 2018, 861, 146.	4.5	52
48	METAL-POOR STARS OBSERVED WITH THE MAGELLAN TELESCOPE. II. DISCOVERY OF FOUR STARS WITH [Fe/H] â©½ â€“3.5. Astrophysical Journal, 2014, 781, 40.	4.5	51
49	THE FRACTIONS OF INNER- AND OUTER-HALO STARS IN THE LOCAL VOLUME. Astrophysical Journal Letters, 2015, 813, L28.	8.3	48
50	BRIGHT METAL-POOR STARS FROM THE HAMBURG/ESO SURVEY. II. A CHEMODYNAMICAL ANALYSIS. Astrophysical Journal, 2017, 835, 81.	4.5	48
51	HYPERVELOCITY STAR CANDIDATES IN THE SEGUE G AND K DWARF SAMPLE. Astrophysical Journal, 2014, 780, 7.	4.5	42
52	Dynamically Tagged Groups of Very Metal-poor Halo Stars from the HK and Hamburg/ESO Surveys. Astrophysical Journal, 2021, 907, 10.	4.5	41
53	A SURVEY OF CN AND CH VARIATIONS IN GALACTIC GLOBULAR CLUSTERS FROM SLOAN DIGITAL SKY SURVEY SPECTROSCOPY. Astronomical Journal, 2011, 142, 126.	4.7	39
54	Evidence for the Third Stellar Population in the Milky Wayâ€™s Disk. Astrophysical Journal, 2019, 887, 22.	4.5	39

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55	Fluorine in a Carbon-enhanced Metal-poor Star. Astrophysical Journal, 2007, 667, L81-L84.	4.5	38
56	A UNIQUE STAR IN THE OUTER HALO OF THE MILKY WAY. Astrophysical Journal, 2009, 697, L63-L67.	4.5	38
57	VERY METAL-POOR OUTER-HALO STARS WITH ROUND ORBITS. Astrophysical Journal Letters, 2013, 763, L17.	8.3	38
58	A MACHINE-LEARNING METHOD TO INFER FUNDAMENTAL STELLAR PARAMETERS FROM PHOTOMETRIC LIGHT CURVES. Astrophysical Journal, 2015, 798, 122.	4.5	35
59	Chemical Cartography. I. A Carbonicity Map of the Galactic Halo. Astrophysical Journal, 2017, 836, 91.	4.5	34
60	A PHOTOMETRIC METALLICITY ESTIMATE OF THE VIRGO STELLAR OVERDENSITY. Astrophysical Journal, 2009, 707, L64-L68.	4.5	32
61	INSIGHT INTO THE FORMATION OF THE MILKY WAY THROUGH COLD HALO SUBSTRUCTURE. III. STATISTICAL CHEMICAL TAGGING IN THE SMOOTH HALO. Astrophysical Journal, 2012, 749, 77.	4.5	32
62	Spectroscopic Validation of Low-metallicity Stars from RAVE. Astronomical Journal, 2018, 155, 256.	4.7	32
63	SEARCHES FOR METAL-POOR STARS FROM THE HAMBURG/ESO SURVEY USING THE CHGBAND. Astronomical Journal, 2011, 142, 188.	4.7	30
64	THE SEGUE K GIANT SURVEY. III. QUANTIFYING GALACTIC HALO SUBSTRUCTURE. Astrophysical Journal, 2016, 816, 80.	4.5	30
65	INSIGHT INTO THE FORMATION OF THE MILKY WAY THROUGH COLD HALO SUBSTRUCTURE. II. THE ELEMENTAL ABUNDANCES OF ECHOS. Astrophysical Journal, 2011, 734, 49.	4.5	28
66	CHRONOGRAPHY OF THE MILKY WAYâ€™S HALO SYSTEM WITH FIELD BLUE HORIZONTAL-BRANCH STARS. Astrophysical Journal Letters, 2015, 813, L16.	8.3	28
67	High-resolution Spectroscopy of Extremely Metal-poor Stars from SDSS/SEGUE. III. Unevolved Stars with [Fe/H] â‰² â˜’3.5*. Astronomical Journal, 2017, 154, 52.	4.7	27
68	THE VERTICAL METALLICITY GRADIENT OF THE MILKY WAY DISK: TRANSITIONS IN [Î±/Fe] POPULATIONS. Astrophysical Journal, 2014, 791, 112.	4.5	26
69	[O/Fe] ESTIMATES FOR CARBON-ENHANCED METAL-POOR STARS FROM NEAR-INFRARED SPECTROSCOPY. Astronomical Journal, 2011, 141, 102.	4.7	25
70	CARBON-ENHANCED METAL-POOR STARS IN SDSS/SEGUE. II. COMPARISON OF CEMP-STAR FREQUENCIES WITH BINARY POPULATION-SYNTHESIS MODELS. Astrophysical Journal, 2014, 788, 131.	4.5	25
71	The Photometric Metallicity and Carbon Distributions of the Milky Wayâ€™s Halo and Solar Neighborhood from S-PLUS Observations of SDSS Stripe 82. Astrophysical Journal, 2021, 912, 147.	4.5	25
72	APPLICATION OF THE SEGUE STELLAR PARAMETER PIPELINE TO LAMOST STELLAR SPECTRA. Astronomical Journal, 2015, 150, 187.	4.7	24

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73	THE FREQUENCY OF FIELD BLUE-STRAGGLER STARS IN THE THICK DISK AND HALO SYSTEM OF THE GALAXY. Astrophysical Journal, 2015, 801, 116.	4.5	24
74	Chemical Cartography. II. The Assembly History of the Galactic Stellar Halo Traced by Carbon-enhanced Metal-poor Stars. Astrophysical Journal, 2019, 885, 102.	4.5	23
75	Beyond Spectroscopy. I. Metallicities, Distances, and Age Estimates for Over 20 Million Stars from SMSS DR2 and Gaia EDR3. Astrophysical Journal, 2022, 925, 164.	4.5	23
76	SPLUS J210428.01â˜'004934.2: An Ultra Metal-poor Star Identified from Narrowband Photometry*. Astrophysical Journal Letters, 2021, 912, L32.	8.3	22
77	SEGUE-2: Old Milky Way Stars Near and Far. Astrophysical Journal, Supplement Series, 2022, 259, 60.	7.7	22
78	The R-Process Alliance: Spectroscopic Follow-up of Low-metallicity Star Candidates from the Best & Brightest Survey. Astrophysical Journal, 2019, 870, 122.	4.5	21
79	Dynamically Tagged Groups of Metal-poor Stars from the Best and Brightest Survey. Astrophysical Journal, 2022, 926, 26.	4.5	20
80	A SEARCH FOR UNRECOGNIZED CARBON-ENHANCED METAL-POOR STARS IN THE GALAXY. Astronomical Journal, 2010, 139, 1051-1065.	4.7	19
81	Identification of a Group III CEMP-no Star in the Dwarf Spheroidal Galaxy Canes Venatici I. Astrophysical Journal, 2020, 894, 7.	4.5	19
82	Targeting Bright Metal-poor Stars in the Disk and Halo Systems of the Galaxy. Astrophysical Journal, 2021, 913, 11.	4.5	18
83	BINARY CONTAMINATION IN THE SEGUE SAMPLE: EFFECTS ON SSPP DETERMINATIONS OF STELLAR ATMOSPHERIC PARAMETERS. Astrophysical Journal, 2010, 719, 996-1020.	4.5	14
84	SPECTROSCOPIC SURVEY OF G AND K DWARFS IN THE HIPPARCOS CATALOG. I. COMPARISON BETWEEN THE HIPPARCOS AND PHOTOMETRIC PARALLAXES. Astrophysical Journal, Supplement Series, 2016, 222, 19.	7.7	13
85	MAPPING THE ASYMMETRIC THICK DISK. III. THE KINEMATICS AND INTERACTION WITH THE GALACTIC BAR. Astronomical Journal, 2011, 141, 131.	4.7	10
86	SEVEN NEW CARBON-ENHANCED METAL-POOR RR LYRAE STARS. Astrophysical Journal, 2014, 787, 6.	4.5	10
87	POSSIBLE EVIDENCE FOR METAL ACCRETION ONTO THE SURFACES OF METAL-POOR MAIN-SEQUENCE STARS. Astrophysical Journal, 2014, 784, 153.	4.5	10
88	Dependence of Galactic Halo Kinematics on the Adopted Galactic Potential. Astrophysical Journal, 2019, 882, 176.	4.5	9
89	Insights into the Formation and Evolution History of the Galactic Disk System. Astrophysical Journal, 2020, 896, 14.	4.5	7
90	Two Populations of Carbon-enhanced Metal-poor Stars in the Disk System of the Milky Way. Astrophysical Journal, 2021, 914, 100.	4.5	7

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91	The Metallicity Distribution Function of the Halo of the Milky Way. Proceedings of the International Astronomical Union, 2005, 1, 175-183.	0.0	6
92	Evidence for Multiple Accretion Events in the Gaia-Sausage/Enceladus Structures. Astrophysical Journal Letters, 2021, 911, L21.	8.3	6
93	Long-term trend of mesospheric temperatures over Kiruna (68Â°N, 21Â°E) during 2003â€“2014. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 161, 83-87.	1.6	4
94	Determination of Sodium Abundance Ratio from Low-resolution Stellar Spectra and Its Applications. Astrophysical Journal, 2022, 925, 35.	4.5	4
95	Medium-resolution Spectroscopy of Red Giant Branch Stars in Ï‰ Centauri. Astronomical Journal, 2017, 154, 150.	4.7	3
96	Mesospheric Temperatures over Apache Point Observatory (32Â°N, 105Â°W) Derived from Sloan Digital Sky Survey Spectra. Journal of Astronomy and Space Sciences, 2017, 34, 119-125.	1.0	2
97	Fluorine in the Carbonâ€Enhanced Metalâ€Poor Star HE 1305+0132. AIP Conference Proceedings, 2008, , .	0.4	1
98	Statistical properties of blue horizontal branch stars in the spheroid: detection of a moving group â^¼450â€ƒkpc from the Sun. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	1
99	Very Low-Mass Stars with Extremely Low Metallicity in the Milky Way's Halo. Proceedings of the International Astronomical Union, 2015, 11, 45-50.	0.0	1
100	Relics of Primordial Star Formation: The Milky Way and Local Dwarfs. Proceedings of the International Astronomical Union, 2008, 4, 323-329.	0.0	0
101	SEGUE, and the future of large scale surveys of the Galaxy. Proceedings of the International Astronomical Union, 2008, 4, 461-468.	0.0	0
102	Metallicity Mapping with gri Photometry: The Virgo Overdensity and the Halos of the Galaxy. Proceedings of the International Astronomical Union, 2009, 5, 127-130.	0.0	0
103	Chemo-Kinematic Properties of the Galactic Disk with SEGUE G and K Dwarfs: Constraints on Formation. Proceedings of the International Astronomical Union, 2017, 13, 306-307.	0.0	0
104	Lifting the Veil on Ultra Metal-Poor Stars in the Outermost Halo. Proceedings of the International Astronomical Union, 2017, 13, 389-390.	0.0	0
105	Assembly of the Galactic Halo System Based on Carbon-Enhanced Metal-Poor Stars. Proceedings of the International Astronomical Union, 2017, 13, 327-328.	0.0	0