

Young Sun Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/142216/publications.pdf>

Version: 2024-02-01

105
papers

20,508
citations

41344

49
h-index

30922

102
g-index

108
all docs

108
docs citations

108
times ranked

10155
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Sodium Abundance Ratio from Low-resolution Stellar Spectra and Its Applications. <i>Astrophysical Journal</i> , 2022, 925, 35.	4.5	4
2	Beyond Spectroscopy. I. Metallicities, Distances, and Age Estimates for Over 20 Million Stars from SMSS DR2 and Gaia EDR3. <i>Astrophysical Journal</i> , 2022, 925, 164.	4.5	23
3	Dynamically Tagged Groups of Metal-poor Stars from the Best and Brightest Survey. <i>Astrophysical Journal</i> , 2022, 926, 26.	4.5	20
4	SEGUE-2: Old Milky Way Stars Near and Far. <i>Astrophysical Journal</i> , Supplement Series, 2022, 259, 60.	7.7	22
5	Dynamically Tagged Groups of Very Metal-poor Halo Stars from the HK and Hamburg/ESO Surveys. <i>Astrophysical Journal</i> , 2021, 907, 10.	4.5	41
6	Evidence for Multiple Accretion Events in the Gaia-Sausage/Enceladus Structures. <i>Astrophysical Journal Letters</i> , 2021, 911, L21.	8.3	6
7	Targeting Bright Metal-poor Stars in the Disk and Halo Systems of the Galaxy. <i>Astrophysical Journal</i> , 2021, 913, 11.	4.5	18
8	SPLUS J210428.01âˆ’004934.2: An Ultra Metal-poor Star Identified from Narrowband Photometry*. <i>Astrophysical Journal Letters</i> , 2021, 912, L32.	8.3	22
9	The Photometric Metallicity and Carbon Distributions of the Milky Wayâ€™s Halo and Solar Neighborhood from S-PLUS Observations of SDSS Stripe 82. <i>Astrophysical Journal</i> , 2021, 912, 147.	4.5	25
10	Two Populations of Carbon-enhanced Metal-poor Stars in the Disk System of the Milky Way. <i>Astrophysical Journal</i> , 2021, 914, 100.	4.5	7
11	Insights into the Formation and Evolution History of the Galactic Disk System. <i>Astrophysical Journal</i> , 2020, 896, 14.	4.5	7
12	Dynamical Relics of the Ancient Galactic Halo. <i>Astrophysical Journal</i> , 2020, 891, 39.	4.5	94
13	Identification of a Group III CEMP-no Star in the Dwarf Spheroidal Galaxy Canes Venatici I. <i>Astrophysical Journal</i> , 2020, 894, 7.	4.5	19
14	Dependence of Galactic Halo Kinematics on the Adopted Galactic Potential. <i>Astrophysical Journal</i> , 2019, 882, 176.	4.5	9
15	The R-Process Alliance: Spectroscopic Follow-up of Low-metallicity Star Candidates from the Best & Brightest Survey. <i>Astrophysical Journal</i> , 2019, 870, 122.	4.5	21
16	Chemical Cartography. II. The Assembly History of the Galactic Stellar Halo Traced by Carbon-enhanced Metal-poor Stars. <i>Astrophysical Journal</i> , 2019, 885, 102.	4.5	23
17	Evidence for the Third Stellar Population in the Milky Wayâ€™s Disk. <i>Astrophysical Journal</i> , 2019, 887, 22.	4.5	39
18	The R-Process Alliance: 2MASS J09544277+5246414, the Most Actinide-enhanced R-II Star Known. <i>Astrophysical Journal Letters</i> , 2018, 859, L24.	8.3	64

#	ARTICLE	IF	CITATIONS
19	Galactic Archeology with the AEGIS Survey: The Evolution of Carbon and Iron in the Galactic Halo. <i>Astrophysical Journal</i> , 2018, 861, 146.	4.5	52
20	Spectroscopic Validation of Low-metallicity Stars from RAVE. <i>Astronomical Journal</i> , 2018, 155, 256.	4.7	32
21	Chemical Cartography. I. A Carbonicity Map of the Galactic Halo. <i>Astrophysical Journal</i> , 2017, 836, 91.	4.5	34
22	BRIGHT METAL-POOR STARS FROM THE HAMBURG/ESO SURVEY. II. A CHEMODYNAMICAL ANALYSIS. <i>Astrophysical Journal</i> , 2017, 835, 81.	4.5	48
23	Medium-resolution Spectroscopy of Red Giant Branch Stars in $\bar{\omega}$ Centauri. <i>Astronomical Journal</i> , 2017, 154, 150.	4.7	3
24	Long-term trend of mesospheric temperatures over Kiruna (68°N , 21°E) during 2003–2014. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 161, 83-87.	1.6	4
25	High-resolution Spectroscopy of Extremely Metal-poor Stars from SDSS/SEGUE. III. Unevolved Stars with $[\text{Fe}/\text{H}] \lesssim -3.5$. <i>Astronomical Journal</i> , 2017, 154, 52.	4.7	27
26	Chemo-Kinematic Properties of the Galactic Disk with SEGUE G and K Dwarfs: Constraints on Formation. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 306-307.	0.0	0
27	Lifting the Veil on Ultra Metal-Poor Stars in the Outermost Halo. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 389-390.	0.0	0
28	Assembly of the Galactic Halo System Based on Carbon-Enhanced Metal-Poor Stars. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 327-328.	0.0	0
29	Mesospheric Temperatures over Apache Point Observatory (32°N , 105°W) Derived from Sloan Digital Sky Survey Spectra. <i>Journal of Astronomy and Space Sciences</i> , 2017, 34, 119-125.	1.0	2
30	Spectro-photometric distances to stars: A general purpose Bayesian approach. <i>Astronomy and Astrophysics</i> , 2016, 585, A42.	5.1	74
31	THE SEGUE K GIANT SURVEY. III. QUANTIFYING GALACTIC HALO SUBSTRUCTURE. <i>Astrophysical Journal</i> , 2016, 816, 80.	4.5	30
32	SPECTROSCOPIC SURVEY OF G AND K DWARFS IN THE HIPPARCOS CATALOG. I. COMPARISON BETWEEN THE HIPPARCOS AND PHOTOMETRIC PARALLAXES. <i>Astrophysical Journal, Supplement Series</i> , 2016, 222, 19.	7.7	13
33	Very Low-Mass Stars with Extremely Low Metallicity in the Milky Way's Halo. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 45-50.	0.0	1
34	METAL-POOR STARS OBSERVED WITH THE MAGELLAN TELESCOPE. III. NEW EXTREMELY AND ULTRA METAL-POOR STARS FROM SDSS/SEGUE AND INSIGHTS ON THE FORMATION OF ULTRA METAL-POOR STARS. <i>Astrophysical Journal</i> , 2015, 809, 136.	4.5	60
35	THE FRACTIONS OF INNER- AND OUTER-HALO STARS IN THE LOCAL VOLUME. <i>Astrophysical Journal Letters</i> , 2015, 813, L28.	8.3	48
36	APPLICATION OF THE SEGUE STELLAR PARAMETER PIPELINE TO LAMOST STELLAR SPECTRA. <i>Astronomical Journal</i> , 2015, 150, 187.	4.7	24

#	ARTICLE	IF	CITATIONS
37	CHRONOGRAPHY OF THE MILKY WAY'S HALO SYSTEM WITH FIELD BLUE HORIZONTAL-BRANCH STARS. <i>Astrophysical Journal Letters</i> , 2015, 813, L16.	8.3	28
38	A MACHINE-LEARNING METHOD TO INFER FUNDAMENTAL STELLAR PARAMETERS FROM PHOTOMETRIC LIGHT CURVES. <i>Astrophysical Journal</i> , 2015, 798, 122.	4.5	35
39	CARBON IN RED GIANTS IN GLOBULAR CLUSTERS AND DWARF SPHEROIDAL GALAXIES. <i>Astrophysical Journal</i> , 2015, 801, 125.	4.5	68
40	THE FREQUENCY OF FIELD BLUE-STAGGLER STARS IN THE THICK DISK AND HALO SYSTEM OF THE GALAXY. <i>Astrophysical Journal</i> , 2015, 801, 116.	4.5	24
41	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.	7.7	1,877
42	METAL-POOR STARS OBSERVED WITH THE MAGELLAN TELESCOPE. II. DISCOVERY OF FOUR STARS WITH $[Fe/H] \approx -3.5$. <i>Astrophysical Journal</i> , 2014, 781, 40.	4.5	51
43	THE VERTICAL METALLICITY GRADIENT OF THE MILKY WAY DISK: TRANSITIONS IN $[Z/Fe]$ POPULATIONS. <i>Astrophysical Journal</i> , 2014, 791, 112.	4.5	26
44	POPULATION STUDIES. XIII. A NEW ANALYSIS OF THE BIDELMAN-MACCONNELL "WEAK-METAL" STARS: CONFIRMATION OF METAL-POOR STARS IN THE THICK DISK OF THE GALAXY. <i>Astrophysical Journal</i> , 2014, 794, 58.	4.5	70
45	CARBON-ENHANCED METAL-POOR STARS IN SDSS/SEGUE. II. COMPARISON OF CEMP-STAR FREQUENCIES WITH BINARY POPULATION-SYNTHESIS MODELS. <i>Astrophysical Journal</i> , 2014, 788, 131.	4.5	25
46	THE SEGUE K GIANT SURVEY. II. A CATALOG OF DISTANCE DETERMINATIONS FOR THE SEGUE K GIANTS IN THE GALACTIC HALO. <i>Astrophysical Journal</i> , 2014, 784, 170.	4.5	77
47	SEVEN NEW CARBON-ENHANCED METAL-POOR RR LYRAE STARS. <i>Astrophysical Journal</i> , 2014, 787, 6.	4.5	10
48	POSSIBLE EVIDENCE FOR METAL ACCRETION ONTO THE SURFACES OF METAL-POOR MAIN-SEQUENCE STARS. <i>Astrophysical Journal</i> , 2014, 784, 153.	4.5	10
49	CHEMICAL CARTOGRAPHY WITH APOGEE: LARGE-SCALE MEAN METALLICITY MAPS OF THE MILKY WAY DISK. <i>Astronomical Journal</i> , 2014, 147, 116.	4.7	134
50	HYPERVELOCITY STAR CANDIDATES IN THE SEGUE G AND K DWARF SAMPLE. <i>Astrophysical Journal</i> , 2014, 780, 7.	4.5	42
51	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.	7.7	820
52	VERY METAL-POOR OUTER-HALO STARS WITH ROUND ORBITS. <i>Astrophysical Journal Letters</i> , 2013, 763, L17.	8.3	38
53	HIGH-RESOLUTION SPECTROSCOPY OF EXTREMELY METAL-POOR STARS FROM SDSS/SEGUE. I. ATMOSPHERIC PARAMETERS AND CHEMICAL COMPOSITIONS. <i>Astronomical Journal</i> , 2013, 145, 13.	4.7	145
54	CARBON-ENHANCED METAL-POOR STARS IN SDSS/SEGUE. I. CARBON ABUNDANCE ESTIMATION AND FREQUENCY OF CEMP STARS. <i>Astronomical Journal</i> , 2013, 146, 132.	4.7	124

#	ARTICLE	IF	CITATIONS
55	THE STELLAR METALLICITY DISTRIBUTION FUNCTION OF THE GALACTIC HALO FROM SDSS PHOTOMETRY. <i>Astrophysical Journal</i> , 2013, 763, 65.	4.5	113
56	THE CASE FOR THE DUAL HALO OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2012, 746, 34.	4.5	157
57	A SHORT SCALE LENGTH FOR THE $\hat{1}\pm$ -ENHANCED THICK DISK OF THE MILKY WAY: EVIDENCE FROM LOW-LATITUDE SEGUE DATA. <i>Astrophysical Journal</i> , 2012, 752, 51.	4.5	103
58	METALLICITY GRADIENTS IN THE MILKY WAY DISK AS OBSERVED BY THE SEGUE SURVEY. <i>Astrophysical Journal</i> , 2012, 746, 149.	4.5	123
59	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2012, 753, 148.	4.5	341
60	CARBON-ENHANCED METAL-POOR STARS IN THE INNER AND OUTER HALO COMPONENTS OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2012, 744, 195.	4.5	117
61	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. <i>Astrophysical Journal</i> , Supplement Series, 2012, 203, 21.	7.7	1,158
62	THE METALLICITY DISTRIBUTION FUNCTIONS OF SEGUE G AND K DWARFS: CONSTRAINTS FOR DISK CHEMICAL EVOLUTION AND FORMATION. <i>Astrophysical Journal</i> , 2012, 761, 160.	4.5	66
63	INSIGHT INTO THE FORMATION OF THE MILKY WAY THROUGH COLD HALO SUBSTRUCTURE. III. STATISTICAL CHEMICAL TAGGING IN THE SMOOTH HALO. <i>Astrophysical Journal</i> , 2012, 749, 77.	4.5	32
64	THE VERTICAL MOTIONS OF MONO-ABUNDANCE SUB-POPULATIONS IN THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2012, 755, 115.	4.5	94
65	Signatures of minor mergers in the Milky Way disc - I. The SEGUE stellar sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 3727-3739.	4.4	55
66	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011, 142, 72.	4.7	1,700
67	INSIGHT INTO THE FORMATION OF THE MILKY WAY THROUGH COLD HALO SUBSTRUCTURE. II. THE ELEMENTAL ABUNDANCES OF ECHOS. <i>Astrophysical Journal</i> , 2011, 734, 49.	4.5	28
68	FORMATION AND EVOLUTION OF THE DISK SYSTEM OF THE MILKY WAY: $[\hat{1}\pm/\text{Fe}]$ RATIOS AND KINEMATICS OF THE SEGUE G-DWARF SAMPLE. <i>Astrophysical Journal</i> , 2011, 738, 187.	4.5	200
69	THE $[\text{Fe}/\text{H}]$, $[\text{C}/\text{Fe}]$, AND $[\hat{1}\pm/\text{Fe}]$ DISTRIBUTIONS OF THE BOA-TES I DWARF SPHEROIDAL GALAXY. <i>Astrophysical Journal</i> , 2011, 738, 51.	4.5	83
70	QUANTIFYING KINEMATIC SUBSTRUCTURE IN THE MILKY WAY'S STELLAR HALO. <i>Astrophysical Journal</i> , 2011, 738, 79.	4.5	125
71	SEARCHES FOR METAL-POOR STARS FROM THE HAMBURG/ESO SURVEY USING THE CH <i>></i> G</i> BAND. <i>Astronomical Journal</i> , 2011, 142, 188.	4.7	30
72	MAPPING THE ASYMMETRIC THICK DISK. III. THE KINEMATICS AND INTERACTION WITH THE GALACTIC BAR. <i>Astronomical Journal</i> , 2011, 141, 131.	4.7	10

#	ARTICLE	IF	CITATIONS
73	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2011, 193, 29.	7.7	1,166
74	THE SEGUE STELLAR PARAMETER PIPELINE. V. ESTIMATION OF ALPHA-ELEMENT ABUNDANCE RATIOS FROM LOW-RESOLUTION SDSS/SEGUE STELLAR SPECTRA. <i>Astronomical Journal</i> , 2011, 141, 90.	4.7	133
75	THE SOUTHERN PROPER MOTION PROGRAM. IV. THE SPM4 CATALOG. <i>Astronomical Journal</i> , 2011, 142, 15.	4.7	125
76	THE SEGUE STELLAR PARAMETER PIPELINE. IV. VALIDATION WITH AN EXTENDED SAMPLE OF GALACTIC GLOBULAR AND OPEN CLUSTERS. <i>Astronomical Journal</i> , 2011, 141, 89.	4.7	137
77	[O/Fe] ESTIMATES FOR CARBON-ENHANCED METAL-POOR STARS FROM NEAR-INFRARED SPECTROSCOPY. <i>Astronomical Journal</i> , 2011, 141, 102.	4.7	25
78	A SURVEY OF CN AND CH VARIATIONS IN GALACTIC GLOBULAR CLUSTERS FROM SLOAN DIGITAL SKY SURVEY SPECTROSCOPY. <i>Astronomical Journal</i> , 2011, 142, 126.	4.7	39
79	BINARY CONTAMINATION IN THE SEGUE SAMPLE: EFFECTS ON SSPP DETERMINATIONS OF STELLAR ATMOSPHERIC PARAMETERS. <i>Astrophysical Journal</i> , 2010, 719, 996-1020.	4.5	14
80	STRUCTURE AND KINEMATICS OF THE STELLAR HALOS AND THICK DISKS OF THE MILKY WAY BASED ON CALIBRATION STARS FROM SLOAN DIGITAL SKY SURVEY DR7. <i>Astrophysical Journal</i> , 2010, 712, 692-727.	4.5	408
81	THE MILKY WAY TOMOGRAPHY WITH SDSS. III. STELLAR KINEMATICS. <i>Astrophysical Journal</i> , 2010, 716, 1-29.	4.5	185
82	Statistical properties of blue horizontal branch stars in the spheroid: detection of a moving group ~ 450 kpc from the Sun. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	4.4	1
83	A SEARCH FOR UNRECOGNIZED CARBON-ENHANCED METAL-POOR STARS IN THE GALAXY. <i>Astronomical Journal</i> , 2010, 139, 1051-1065.	4.7	19
84	A PHOTOMETRIC METALLICITY ESTIMATE OF THE VIRGO STELLAR OVERDENSITY. <i>Astrophysical Journal</i> , 2009, 707, L64-L68.	4.5	32
85	INSIGHT INTO THE FORMATION OF THE MILKY WAY THROUGH COLD HALO SUBSTRUCTURE. I. THE ECHOS OF MILKY WAY FORMATION. <i>Astrophysical Journal</i> , 2009, 703, 2177-2204.	4.5	84
86	SEGUE: A SPECTROSCOPIC SURVEY OF 240,000 STARS WITH $14 < i > g < / i > = 20$. <i>Astronomical Journal</i> , 2009, 137, 4377-4399.	4.7	905
87	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 543-558.	7.7	4,201
88	A UNIQUE STAR IN THE OUTER HALO OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2009, 697, L63-L67.	4.5	38
89	Metallicity Mapping with g Photometry: The Virgo Overdensity and the Halos of the Galaxy. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 127-130.	0.0	0
90	TRACING SAGITTARIUS STRUCTURE WITH SDSS AND SEGUE IMAGING AND SPECTROSCOPY. <i>Astrophysical Journal</i> , 2009, 700, 1282-1298.	4.5	102

#	ARTICLE	IF	CITATIONS
91	The Sixth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2008, 175, 297-313.	7.7	1,202
92	Fluorine in the Carbon-enhanced Metal-poor Star HE 1305+0132. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	1
93	Relics of Primordial Star Formation: The Milky Way and Local Dwarfs. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 323-329.	0.0	0
94	SEGUE, and the future of large scale surveys of the Galaxy. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 461-468.	0.0	0
95	The Milky Way Tomography with SDSS. II. Stellar Metallicity. <i>Astrophysical Journal</i> , 2008, 684, 287-325.	4.5	456
96	Galactic Globular and Open Clusters in the Sloan Digital Sky Survey. I. Crowded-field Photometry and Cluster Fiducial Sequences in $\langle i \rangle_{ugriz}$. <i>Astrophysical Journal, Supplement Series</i> , 2008, 179, 326-354.	7.7	132
97	THE SEGUE STELLAR PARAMETER PIPELINE. I. DESCRIPTION AND COMPARISON OF INDIVIDUAL METHODS. <i>Astronomical Journal</i> , 2008, 136, 2022-2049.	4.7	417
98	THE SEGUE STELLAR PARAMETER PIPELINE. II. VALIDATION WITH GALACTIC GLOBULAR AND OPEN CLUSTERS. <i>Astronomical Journal</i> , 2008, 136, 2050-2069.	4.7	259
99	THE SEGUE STELLAR PARAMETER PIPELINE. III. COMPARISON WITH HIGH-RESOLUTION SPECTROSCOPY OF SDSS/SEGUE FIELD STARS. <i>Astronomical Journal</i> , 2008, 136, 2070-2082.	4.7	208
100	Fluorine in a Carbon-enhanced Metal-poor Star. <i>Astrophysical Journal</i> , 2007, 667, L81-L84.	4.5	38
101	Broadband UBVR C I C Photometry of Horizontal-branch and Metal-poor Candidates from the HK and Hamburg/ESO Surveys. I.. <i>Astrophysical Journal, Supplement Series</i> , 2007, 168, 128-139.	7.7	55
102	Two stellar components in the halo of the Milky Way. <i>Nature</i> , 2007, 450, 1020-1025.	27.8	505
103	The Frequency of Carbon-enhanced Metal-poor Stars in the Galaxy from the HERES Sample. <i>Astrophysical Journal</i> , 2006, 652, L37-L40.	4.5	162
104	A Spectroscopic Study of the Ancient Milky Way: F and G-type Stars in the Third Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2006, 636, 804-820.	4.5	314
105	The Metallicity Distribution Function of the Halo of the Milky Way. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 175-183.	0.0	6