Wako Aoki

List of Publications by Year
in descending order

62 papers	4,151 citations	172457 29 h-index	155660 55 g-index
62 all docs	62 docs citations	62 times ranked	2732 citing authors

#	Article	IF	Citations
1	Silicon and strontium abundances of very metal-poor stars determined from near-infrared spectra. Publication of the Astronomical Society of Japan, 2022, 74, 273-282.	2.5	3
2	Elemental Abundances of nearby M Dwarfs Based on High-resolution Near-infrared Spectra Obtained by the Subaru/IRD Survey: Proof of Concept. Astronomical Journal, 2022, 163, 72.	4.7	12
3	High-precision chemical abundances of Galactic building blocks. Astronomy and Astrophysics, 2022, 661, A103.	5.1	13
4	Detailed investigation of two highâ€speed evolved Galactic stars. Astronomische Nachrichten, 2022, 343, .	1.2	3
5	Four-hundred Very Metal-poor Stars Studied with LAMOST and Subaru. II. Elemental Abundances. Astrophysical Journal, 2022, 931, 147.	4.5	28
6	Four-hundred Very Metal-poor Stars Studied with LAMOST and Subaru. I. Survey Design, Follow-up Program, and Binary Frequency. Astrophysical Journal, 2022, 931, 146.	4.5	9
7	A super-Earth orbiting near the inner edge of the habitable zone around the M4.5Âdwarf Rossâ€‰508. Publication of the Astronomical Society of Japan, 2022, 74, 904-922.	2.5	8
8	Most lithium-rich low-mass evolved stars revealed as red clump stars by asteroseismology and spectroscopy. Nature Astronomy, 2021, 5, 86-93.	10.1	31
9	Star Formation Timescales of the Halo Populations from Asteroseismology and Chemical Abundances*. Astrophysical Journal, 2021, 912, 72.	4.5	14
10	Progress in nuclear astrophysics of east and southeast Asia. AAPPS Bulletin, 2021, 31, 1.	6.1	5
11	Characterization of M dwarfs using optical mid-resolution spectra for exploration of small exoplanets. Publication of the Astronomical Society of Japan, 2021, 73, 154-173.	2.5	6
12	Concerning the Li-rich status of KIC 9821622: a Kepler field RGB star reported as a Li-rich giant. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3838-3843.	4.4	1
13	The effect of our local motion on the Sandageâ€“Loeb test of the cosmic expansion. Publication of the Astronomical Society of Japan, 2020, 72, .	2.5	3
14	Elemental abundances of M dwarfs based on high-resolution near-infrared spectra: Verification by binary systems. Publication of the Astronomical Society of Japan, 2020, 72, .	2.5	16
15	Self-lensing Discovery of a 0.2 M_{âŠ™} White Dwarf in an Unusually Wide Orbit around a Sun-like Star^{â^—}. Astrophysical Journal Letters, 2019, 881, L3.	8.3	33
16	LAMOST J011939.222â^'012150.45: The most barium-enhanced CEMP-s turnoff star. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	3
17	Origin of the Excess of High-energy Retrograde Stars in the Galactic Halo. Astrophysical Journal Letters, 2019, 874, L35.	8.3	73
18	Evidence for an Aspherical Population III Supernova Explosion Inferred from the Hyper-metal-poor Star HE 1327â€“2326^{â^—}. Astrophysical Journal, 2019, 876, 97.	4.5	55

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19	Evidence for the accretion origin of halo stars with an extreme r-process enhancement. Nature Astronomy, 2019, 3, 631-635.	10.1	28
20	LAMOST J221750.59+210437.2: A new member of carbon-enhanced extremely metal-poor stars with excesses of Mg and Si. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	13
21	Optical High-resolution Spectroscopy of 14 Young Î±-rich Stars^{âˆ—}. Astrophysical Journal, 2018, 860, 49.	4.5	14
22	Tracing the Origin of Moving Groups. II. Chemical Abundance of Six Stars in the Halo Stream LAMOST-N1. Astrophysical Journal, 2018, 868, 105.	4.5	11
23	Enormous Li Enhancement Preceding Red Giant Phases in Low-mass Stars in the Milky Way Halo^{âˆ—}. Astrophysical Journal Letters, 2018, 852, L31.	8.3	34
24	Tracing the Origin of Moving Groups. I. The Î³ Leo Moving Group with High-resolution Spectra from the Subaru Telescope. Astrophysical Journal, 2018, 863, 4.	4.5	4
25	The infrared Doppler (IRD) instrument for the Subaru telescope: instrument description and commissioning results. , 2018, , .		44
26	Exploring the Early Chemical Evolution of the Milky Way with LAMOST and Subaru. , 2017, , .		0
27	Carbon-Enhanced Metal-Poor Stars as a Constraint on the Li-Depletion Mechanism. , 2017, , .		0
28	High-resolution spectroscopy of the extremely iron-poor post-AGB star CCâ€‰Lyr. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	5
29	High-resolution Spectroscopy of Extremely Metal-poor Stars from SDSS/SEGUE. III. Unevolved Stars with [Fe/H] â‰² âˆ’3.5*. Astronomical Journal, 2017, 154, 52.	4.7	27
30	Stellar Abundances for Galactic Archaeology Database. IV. Compilation of stars in dwarf galaxies. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	66
31	Lithium in CEMP-no stars: A new constraint on the lithium depletion mechanism in the early universe. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	22
32	LAMOST-Subaru exploration of chemical relics of first stars. Proceedings of the International Astronomical Union, 2017, 13, 21-24.	0.0	0
33	Observational Constraints on the Astrophysical Site of the r-Process. , 2017, , .		0
34	Searching for chemical relics of first stars with LAMOST and Subaru. Proceedings of the International Astronomical Union, 2015, 11, 51-56.	0.0	0
35	Discovery of a stronglyr-process enhanced extremely metal-poor star LAMOST J110901.22+075441.8. Research in Astronomy and Astrophysics, 2015, 15, 1264-1274.	1.7	22
36	HUBBLE SPACE TELESCOPENEAR-ULTRAVIOLET SPECTROSCOPY OF BRIGHT CEMP-sSTARS. Astrophysical Journal, 2015, 812, 109.	4.5	33

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37	High-resolution spectroscopic studies of ultra metal-poor stars found in the LAMOST survey. Publication of the Astronomical Society of Japan, 2015, 67, .	2.5	47
38	Explosive lithium production in the classical nova V339 Del (Nova Delphini 2013). Nature, 2015, 518, 381-384.	27.8	99
39	HIGH-RESOLUTION SPECTROSCOPY OF EXTREMELY METAL-POOR STARS FROM SDSS/SEGUE. II. BINARY FRACTION. Astronomical Journal, 2015, 149, 39.	4.7	11
40	The Stellar Abundances for Galactic Archaeology (SAGA) Database â€“ III. Analysis of enrichment histories for elements and two modes of star formation during the early evolution of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1362-1380.	4.4	64
41	CHEMICAL ANALYSIS OF THE NINTH MAGNITUDE CARBON-ENHANCED METAL-POOR STAR BD+44Â°493. Astrophysical Journal, 2013, 773, 33.	4.5	55
42	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
43	Image Slicer for the Subaru Telescope High Dispersion Spectrograph. Publication of the Astronomical Society of Japan, 2012, 64, .	2.5	33
44	The Stellar Abundances for Galactic Archaeology (SAGA) data base - II. Implications for mixing and nucleosynthesis in extremely metal-poor stars and chemical enrichment of the Galaxy. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	64
45	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi></mml:math>process: Nuclear physics, stellar models, and observations. Reviews of Modern Physics, 2011, 83, 157-193.	45.6	622
46	BD+44Â°493: A NINTH MAGNITUDE MESSENGER FROM THE EARLY UNIVERSE; CARBON ENHANCED AND BERYLLIUM POOR. Astrophysical Journal, 2009, 698, L37-L41.	4.5	67
47	LITHIUM ABUNDANCES OF EXTREMELY METAL-POOR TURNOFF STARS. Astrophysical Journal, 2009, 698, 1803-1812.	4.5	141
48	The 9th Magnitude CEMP star BD+44Â°493: Origin of its Carbon Excess and Beryllium Abundance. Proceedings of the International Astronomical Union, 2009, 5, 124-125.	0.0	1
49	A very low upper limit for a Be abundance of a carbon-enhanced metal-poor star. Proceedings of the International Astronomical Union, 2009, 5, 337-338.	0.0	0
50	HE 1327â^'2326, an Unevolved Star with [Fe/H]<â^'5.0. II. New 3Dâ^'1D Corrected Abundances from a Very Large Telescope UVES Spectrum. Astrophysical Journal, 2008, 684, 588-602.	4.5	132
51	First Determination of the Actinide Thorium Abundance for a Red Giant of the Ursa Minor Dwarf Galaxy. Publication of the Astronomical Society of Japan, 2007, 59, L15-L19.	2.5	50
52	Carbonâ€enhanced Metalâ€poor Stars. I. Chemical Compositions of 26 Stars. Astrophysical Journal, 2007, 655, 492-521.	4.5	374
53	Spectroscopic Studies of Extremely Metalâ€poor Stars with the Subaru Highâ€Dispersion Spectrograph. IV. The Î±â€Elementâ€“Enhanced Metalâ€poor Star BS 16934â^'002. Astrophysical Journal, 2007, 660, 747-761.	4.5	46
54	Spectroscopic Studies of Very Metalâ€poor Stars with the Subaru High Dispersion Spectrograph. III. Light Neutronâ€Capture Elements. Astrophysical Journal, 2005, 632, 611-637.	4.5	159

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55	Nucleosynthetic signatures of the first stars. Nature, 2005, 434, 871-873.	27.8	481
56	Flashâ€Driven Convective Mixing in Lowâ€Mass, Metalâ€deficient Asymptotic Giant Branch Stars: A New Paradigm for Lithium Enrichment and a Possiblesâ€Process. Astrophysical Journal, 2004, 602, 377-387.	4.5	70
57	Spectroscopic Studies of Extremely Metalâ€Poor Stars with the Subaru High Dispersion Spectrograph. II. Therâ€Process Elements, Including Thorium. Astrophysical Journal, 2004, 607, 474-498.	4.5	294
58	Spectroscopic Studies of Extremely Metalâ€Poor Stars with the Subaru High Dispersion Spectrograph. I. Observational Data. Astrophysical Journal, Supplement Series, 2004, 152, 113-128.	7.7	40
59	High Dispersion Spectrograph (HDS) for the Subaru Telescope. Publication of the Astronomical Society of Japan, 2002, 54, 855-864.	2.5	325
60	Subaru/HDS Study of the Extremely Metal-Poor Star CS 29498-043: Abundance Analysis Details and Comparison with Other Carbon-Rich Objects. Publication of the Astronomical Society of Japan, 2002, 54, 933-949.	2.5	54
61	Chemical Composition of the Carbon-rich, Extremely Metal Poor Star CS 29498â˜'043: A New Class of Extremely Metal Poor Stars with Excesses of Magnesium and Silicon. Astrophysical Journal, 2002, 576, L141-L144.	4.5	87
62	Extremely Metal-poor Stars. IX. CS 22949-037 and the Role of Hypernovae. Astrophysical Journal, 2002, 569, L107-L110.	4.5	51