Chikako Yasui

List of Publications by Year
in descending order

58	698	567281 15	642732 23
papers	citations	h-index	g-index

58	58	58	566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Very Metal-poor RR Lyrae Star with a Disk Orbit Found in the Solar Neighborhood. Astrophysical Journal, 2022, 925, 10.	4.5	2
2	Highly Sensitive, Non-cryogenic NIR High-resolution Spectrograph, WINERED. Publications of the Astronomical Society of the Pacific, 2022, 134, 015004.	3.1	11
3	Low-metallicity Young Clusters in the Outer Galaxy. III. Sh 2-127. Astronomical Journal, 2021, 161, 139.	4.7	7
4	Absorption Lines in the 0.91â€“1.33 Î¼m Spectra of Red Giants for Measuring Abundances of Mg, Si, Ca, Ti, Cr, and Ni. Astrophysical Journal, 2021, 913, 62.	4.5	8
5	Spitzer Mid-infrared Study of Sh 2-208: Evolution of Protoplanetary Disks in Low-metallicity Environments. Astrophysical Journal, 2021, 914, 115.	4.5	1
6	Effective temperatures of red supergiants estimated from line-depth ratios of iron lines in the YJ bands, 0.97-1.32Î¼m. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4210-4226.	4.4	13
7	The Detection of a Hot Molecular Core in the Extreme Outer Galaxy. Astrophysical Journal, 2021, 922, 206.	4.5	16
8	Identification of Absorption Lines of Heavy Metals in the Wavelength Range 0.97â€“1.32 Î¼m. Astrophysical Journal, Supplement Series, 2020, 246, 10.	7.7	10
9	The effect of surface gravity on line-depth ratios in the wavelength range 0.97â€“1.32ÂÂµm. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1724-1734.	4.4	7
10	Mg ii and Fe ii Fluxes of Luminous Quasars at zÂâ¼Â2.7 and the Evaluation of the Baldwin Effect in the Flux-to-abundance Conversion Method for Quasars. Astrophysical Journal, 2020, 904, 162.	4.5	10
11	First Detection of Aâ€“X (0,0) Bands of Interstellar C₂ and CN. Astrophysical Journal, 2019, 881, 143.	4.5	9
12	Fe i Lines in 0.91â€“1.33 Î¼m Spectra of Red Giants for Measuring the Microturbulence and Metallicities. Astrophysical Journal, 2019, 875, 129.	4.5	14
13	Possible Progression of Mass-flow Processes around Young Intermediate-mass Stars Based on High-resolution Near-infrared Spectroscopy. I. Taurus. Astrophysical Journal, 2019, 886, 115.	4.5	6
14	WINERED High-resolution Near-infrared Line Catalog: A-type Star. Astrophysical Journal, Supplement Series, 2018, 239, 19.	7.7	2
15	A newly identified emission-line region around P Cygni. Monthly Notices of the Royal Astronomical Society, 2018, 481, 793-805.	4.4	4
16	Correction of Near-infrared High-resolution Spectra for Telluric Absorption at 0.90â€“1.35 Î¼m. Publications of the Astronomical Society of the Pacific, 2018, 130, 074502.	3.1	22
17	Method to estimate the effective temperatures of late-type giants using line-depth ratios in the wavelength range 0.97â€“1.32ÂÎ¼m. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4993-5001.	4.4	18
18	Very high-sensitive NIR high-resolution spectrograph WINERED: on-going observations at NTT. , 2018, , .		5

#	Article	IF	Citations
19	Reflective optical system made entirely of ultra low thermal expansion ceramics: a possibility of genuine athermal cryogenic IR instrument. , 2018, , .		1
20	Infrared Attenuation Spectrum of Bulk High-Resistivity CdZnTe Single Crystal in Transparent Wavelength Region Between Electronic and Lattice Absorptions. Journal of Electronic Materials, 2017, 46, 282-287.	2.2	3
21	Discovery of a distant molecular cloud in the extreme outer Galaxy with the Nobeyama 45Âm telescope. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	3
22	Near-infrared Spectroscopic Observations of Comet C/2013 R1 (Lovejoy) by WINERED: CN Red-system Band Emission. Astronomical Journal, 2017, 154, 45.	4.7	6
23	Star Formation Activity Beyond the Outer Arm. I. WISE-selected Candidate Star-forming Regions. Astronomical Journal, 2017, 154, 163.	4.7	5
24	HERBIG Ae/Be CANDIDATE STARS IN THE INNERMOST GALACTIC DISK: QUARTET CLUSTER. Astrophysical Journal, 2016, 817, 181.	4.5	0
25	Cryogenic performance of high-efficiency germanium immersion grating. , 2016, , .		1
26	NEAR INFRARED DIFFUSE INTERSTELLAR BANDS TOWARD THE CYGNUS OB2 ASSOCIATION. Astrophysical Journal, 2016, 821, 42.	4.5	27
27	High sensitivity, wide coverage, and high-resolution NIR non-cryogenic spectrograph, WINERED. Proceedings of SPIE, 2016, , .	0.8	29
28	A spatially-resolved study of initial mass function in the outer Galaxy. Proceedings of the International Astronomical Union, 2016, 11, 34-36.	0.0	1
29	Star-formation efficiency in the outer Galaxy. Proceedings of the International Astronomical Union, 2016, 11, 31-33.	0.0	0
30	LOW-METALLICITY YOUNG CLUSTERS IN THE OUTER GALAXY. II. SH 2-208. Astronomical Journal, 2016, 151, 115.	4.7	18
31	LOW-METALLICITY YOUNG CLUSTERS IN THE OUTER GALAXY. I. Sh 2-207. Astronomical Journal, 2016, 151, 50.	4.7	15
32	First high-efficiency and high-resolution (R=80,000) NIR spectroscopy with high-blazed Echelle grating: WINERED HIRES modes. Proceedings of SPIE, 2016, , .	0.8	7
33	Impact of the initial disk mass function on the disk fraction. Publication of the Astronomical Society of Japan, 2015, 67, 120.	2.5	2
34	LINE-DEPTH RATIOS INH-BAND SPECTRA TO DETERMINE EFFECTIVE TEMPERATURES OF G- AND K-TYPE GIANTS AND SUPERGIANTS. Astrophysical Journal, 2015, 812, 64.	4.5	23
35	NEAR-INFRARED DIFFUSE INTERSTELLAR BANDS IN 0.91-1.32 Î¼m. Astrophysical Journal, 2015, 800, 137.	4.5	28
36	Machined immersion grating with theoretically predicted diffraction efficiency. Applied Optics, 2015, 54, 5193.	2.1	21

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37	The environment around the young massive star cluster RSGC 1 and HESS J1837â˜'069. Publication of the Astronomical Society of Japan, 2014, 66, 19.	2.5	2
38	ZnSe immersion grating in the short NIR region. Proceedings of SPIE, 2014, , .	0.8	4
39	Derivation of stellar abundances with near-infrared spectra: The case of metallic standard stars. , 2014, , .		0
40	SUBARU/IRCS near-infrared spectroscopy of the young cluster GLIMPSE9 in the inner galaxy. , 2014, , .		0
41	Rapid evolution of the innermost dust disc of protoplanetary discs surrounding intermediate-mass stars. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2543-2559.	4.4	31
42	DISCOVERY OF STAR FORMATION IN THE EXTREME OUTER GALAXY POSSIBLY INDUCED BY A HIGH-VELOCITY CLOUD IMPACT. Astrophysical Journal, 2014, 795, 66.	4.5	18
43	The precise measurement of the attenuation coefficients of various IR optical materials applicable to immersion grating. Proceedings of SPIE, 2014, , .	0.8	3
44	Development of CdZnTe immersion grating for spaceborne application. Proceedings of SPIE, 2012, , .	0.8	5
45	Deep CO Observations and the CO-to-H<scp>2</scp> Conversion Factor in DDO 154, a Low Metallicity Dwarf Irregular Galaxy. Publication of the Astronomical Society of Japan, 2011, 63, L1-L5.	2.5	9
46	SHORT LIFETIME OF PROTOPLANETARY DISKS IN LOW-METALLICITY ENVIRONMENTS. Astrophysical Journal Letters, 2010, 723, L113-L116.	8.3	54
47	Fabrication and current optical performance of a large diamond-machined ZnSe immersion grating. Proceedings of SPIE, 2010, , .	0.8	7
48	THE LIFETIME OF PROTOPLANETARY DISKS IN A LOW-METALLICITY ENVIRONMENT. Astrophysical Journal, 2009, 705, 54-63.	4.5	76
49	Warm infrared echelle spectrograph (WINERED): testing of optical components and performance evaluation of the optical system. Proceedings of SPIE, 2008, , .	0.8	10
50	High-efficiency silicon immersion grating by electron-beam lithography. , 2008, , .		6
51	High resolution spectrograph unit (HRU) for the SUBARU/IRCS. Proceedings of SPIE, 2008, , .	0.8	3
52	Star Formation in the Most Distant Molecular Cloud in the Extreme Outer Galaxy: A Laboratory of Star Formation in an Early Epoch of the Galaxyâ€™s Formation. Astrophysical Journal, 2008, 683, 178-188.	4.5	32
53	Star Formation in the Extreme Outer Galaxy: Digel Cloud 2 Clusters. Astrophysical Journal, 2008, 675, 443-453.	4.5	28
54	Diamond-machined ZnSe immersion grating for NIR high-resolution spectroscopy. , 2008, , .		8

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55	Deep Nearâ€Infrared Imaging of an Embedded Cluster in the Extreme Outer Galaxy: Census of Supernovaâ€Triggered Star Formation. Astrophysical Journal, 2006, 649, 753-758.	4.5	25
56	WINERED: a warm near-infrared high-resolution spectrograph. , 2006, 6269, 1224.		11
57	WINERED: optical design of warm infrared echelle spectrograph. , 2006, , .		6
58	UTIRAC: University of Tokyo infrared array control system developed for WINERED. , 2006, , .		5