

Hwi Hyun Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9465254/publications.pdf>

Version: 2024-02-01

57
papers

3,216
citations

201674

27
h-index

168389

53
g-index

57
all docs

57
docs citations

57
times ranked

4740
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Compositions of Red Giant Stars from Habitable Zone Planet Finder Spectroscopy. <i>Astronomical Journal</i> , 2021, 161, 128.	4.7	6
2	The Transition from Diffuse Molecular Gas to Molecular Cloud Material in Taurus. <i>Astrophysical Journal</i> , 2021, 914, 59.	4.5	3
3	A Near-infrared Survey of UV-excited Molecular Hydrogen in Photodissociation Regions. <i>Astrophysical Journal</i> , 2021, 919, 27.	4.5	10
4	The IGRINS YSO Survey. I. Stellar Parameters of Pre-main-sequence Stars in Taurus-Auriga. <i>Astrophysical Journal</i> , 2021, 921, 53.	4.5	13
5	Chemical abundances of open clusters from high-resolution infrared spectra â€” II. NGC 752. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 544-559.	4.4	10
6	LEGUS and H _{Î±} -LEGUS Observations of Star Clusters in NGC 4449: Improved Ages and the Fraction of Light in Clusters as a Function of Age. <i>Astrophysical Journal</i> , 2020, 889, 154.	4.5	29
7	Candidate LBV stars in galaxy NGC 7793 found via <i>HST</i> photometry + MUSE spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2410-2428.	4.4	12
8	Spatial Segregation of Massive Clusters in Dwarf Galaxies. <i>Astrophysical Journal Letters</i> , 2020, 888, L27.	8.3	3
9	H _{Î±} morphologies of star clusters: a LEGUS study of H _{Î±} region evolution time-scales and stochasticity in low-mass clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4648-4665.	4.4	42
10	Chemical abundances of open clusters from high-resolution infrared spectra â€” I. NGC 6940. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4625-4640.	4.4	9
11	The spatial relation between young star clusters and molecular clouds in M51 with LEGUS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 4707-4723.	4.4	70
12	Star cluster catalogues for the LEGUS dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4897-4919.	4.4	42
13	A Study of Two Dwarf Irregular Galaxies with Asymmetrical Star Formation Distributions. <i>Astrophysical Journal</i> , 2018, 855, 7.	4.5	4
14	The young star cluster population of M51 with LEGUS â€” I. A comprehensive study of cluster formation and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 996-1018.	4.4	49
15	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
16	The Resolved Stellar Populations in the LEGUS Galaxies I. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 23.	7.7	63
17	Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS. <i>Astrophysical Journal</i> , 2018, 855, 133.	4.5	24
18	Wolf 1130: A Nearby Triple System Containing a Cool, Ultramassive White Dwarf. <i>Astrophysical Journal</i> , 2018, 854, 145.	4.5	20

#	ARTICLE	IF	CITATIONS
19	A Comparison of Young Star Properties with Local Galactic Environment for LEGUS/LITTLE THINGS Dwarf Irregular Galaxies. <i>Astronomical Journal</i> , 2018, 156, 21.	4.7	4
20	Characterizing TW Hydra. <i>Astrophysical Journal</i> , 2018, 853, 120.	4.5	38
21	Chemical Compositions of Evolved Stars from Near-infrared IGRINS High-resolution Spectra. I. Abundances in Three Red Horizontal Branch Stars. <i>Astrophysical Journal</i> , 2018, 865, 44.	4.5	18
22	IGRINS Spectral Library. <i>Astrophysical Journal</i> , Supplement Series, 2018, 238, 29.	7.7	29
23	High-resolution Near-IR Spectral Mapping with H ₂ and [Fe ii] Lines of Multiple Outflows around LkH α 234. <i>Astrophysical Journal</i> , 2018, 858, 23.	4.5	4
24	Search for star cluster age gradients across spiral arms of three LEGUS disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3590-3604.	4.4	40
25	High-resolution infrared spectroscopy of field Red Horizontal Branch stars. <i>Journal of Molecular Structure</i> , 2018, 1174, 3-5.	3.6	0
26	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
27	IGRINS at the Discovery Channel telescope and Gemini South. , 2018, , .		31
28	The Hierarchical Distribution of the Young Stellar Clusters in Six Local Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017, 840, 113.	4.5	60
29	Excitation of Molecular Hydrogen in the Orion Bar Photodissociation Region from a Deep Near-infrared IGRINS Spectrum. <i>Astrophysical Journal</i> , 2017, 838, 152.	4.5	27
30	Hierarchical Star Formation in Turbulent Media: Evidence from Young Star Clusters. <i>Astrophysical Journal</i> , 2017, 842, 25.	4.5	43
31	Effective Radii of Young, Massive Star Clusters in Two LEGUS Galaxies [†] . <i>Astrophysical Journal</i> , 2017, 841, 92.	4.5	66
32	H ₂ , CO, and Dust Absorption through Cold Molecular Clouds. <i>Astrophysical Journal</i> , 2017, 838, 66.	4.5	25
33	The properties, origin and evolution of stellar clusters in galaxy simulations and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3580-3596.	4.4	17
34	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017, 358, 1559-1565.	12.6	559
35	Inner Warm Disk of ESO H α 279a Revealed by NA i and CO Overtone Emission Lines. <i>Astrophysical Journal</i> , 2017, 844, 4.	4.5	3
36	Legacy ExtraGalactic UV Survey with The Hubble Space Telescope: Stellar Cluster Catalogs and First Insights Into Cluster Formation and Evolution in NGC 628 [†] . <i>Astrophysical Journal</i> , 2017, 841, 131.	4.5	107

#	ARTICLE	IF	CITATIONS
37	IGRINS NEAR-IR HIGH-RESOLUTION SPECTROSCOPY OF MULTIPLE JETS AROUND LkH $\hat{\pm}$ 234*. <i>Astrophysical Journal</i> , 2016, 817, 148.	4.5	9
38	300 nights of science with IGRINS at McDonald Observatory. <i>Proceedings of SPIE</i> , 2016, , .	0.8	35
39	THE CHEMICAL COMPOSITIONS OF VERY METAL-POOR STARS HD 122563 AND HD 140283: A VIEW FROM THE INFRARED. <i>Astrophysical Journal</i> , 2016, 819, 103.	4.5	23
40	THREE-DIMENSIONAL SHOCK STRUCTURE OF THE ORION KL OUTFLOW WITH IGRINS*. <i>Astrophysical Journal</i> , 2016, 833, 275.	4.5	10
41	THE BRIGHTEST YOUNG STAR CLUSTERS IN NGC 5253. <i>Astrophysical Journal</i> , 2015, 811, 75.	4.5	56
42	STAR CLUSTER PROPERTIES IN TWO LEGUS GALAXIES COMPUTED WITH STOCHASTIC STELLAR POPULATION SYNTHESIS MODELS. <i>Astrophysical Journal</i> , 2015, 812, 147.	4.5	38
43	THE SPATIAL DISTRIBUTION OF THE YOUNG STELLAR CLUSTERS IN THE STAR-FORMING GALAXY NGC 628. <i>Astrophysical Journal</i> , 2015, 815, 93.	4.5	59
44	Hierarchical star formation across the ring galaxy NGC $\hat{\text{A}}$ 6503. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3508-3528.	4.4	34
45	A NEWLY RECOGNIZED VERY YOUNG SUPERNOVA REMNANT IN M83[,][,]. <i>Astrophysical Journal</i> , 2015, 800, 118.	4.5	17
46	LEGACY EXTRAGALACTIC UV SURVEY (LEGUS) WITH THE<i>HUBBLE SPACE TELESCOPE</i>. I. SURVEY DESCRIPTION. <i>Astronomical Journal</i> , 2015, 149, 51.	4.7	155
47	Design and early performance of IGRINS (Immersion Grating Infrared Spectrometer). <i>Proceedings of SPIE</i> , 2014, , .	0.8	108
48	BIG FISH IN SMALL PONDS: MASSIVE STARS IN THE LOW-MASS CLUSTERS OF M83. <i>Astrophysical Journal</i> , 2014, 793, 4.	4.5	31
49	HIERARCHICAL STAR FORMATION IN NEARBY LEGUS GALAXIES. <i>Astrophysical Journal Letters</i> , 2014, 787, L15.	8.3	41
50	EXTINCTION AND DUST GEOMETRY IN M83 H II REGIONS: AN <i>HUBBLE SPACE TELESCOPE</i> /WFC3 STUDY. <i>Astrophysical Journal Letters</i> , 2013, 778, L41.	8.3	28
51	AN INITIAL MASS FUNCTION STUDY OF THE DWARF STARBURST GALAXY NGC 4214. <i>Astrophysical Journal</i> , 2013, 767, 51.	4.5	49
52	INVESTIGATING THE CORE MORPHOLOGY-SEYFERT CLASS RELATIONSHIP WITH<i>HUBBLE SPACE TELESCOPE</i> ARCHIVAL IMAGES OF LOCAL SEYFERT GALAXIES. <i>Astronomical Journal</i> , 2013, 146, 11.	4.7	4
53	THE RESOLVED STELLAR POPULATION IN 50 REGIONS OF M83 FROM<i>HST</i>/WFC3 EARLY RELEASE SCIENCE OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 753, 26.	4.5	20
54	USING H $\hat{\pm}$ MORPHOLOGY AND SURFACE BRIGHTNESS FLUCTUATIONS TO AGE-DATE STAR CLUSTERS IN M83. <i>Astrophysical Journal</i> , 2011, 729, 78.	4.5	80

#	ARTICLE	IF	CITATIONS
55	THE LUMINOSITY, MASS, AND AGE DISTRIBUTIONS OF COMPACT STAR CLUSTERS IN M83 BASED ON HUBBLE SPACE TELESCOPE WIDE FIELD CAMERA 3 OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 719, 966-978.	4.5	117
56	The Nearby and Extremely Metal-poor Galaxy CGCG 269-049. <i>Astrophysical Journal</i> , 2008, 675, 194-200.	4.5	12
57	Variable Star Identification in the BATC Field of M67. <i>Key Engineering Materials</i> , 2005, 277-279, 869-875.	0.4	0