

# Hwi Hyun Kim

## List of Publications by Year in descending order

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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	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
2	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017, 358, 1559-1565.	12.6	559
3	LEGACY EXTRAGALACTIC UV SURVEY (LEGUS) WITH THE HUBBLE SPACE TELESCOPE. I. SURVEY DESCRIPTION. <i>Astronomical Journal</i> , 2015, 149, 51.	4.7	155
4	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
5	Design and early performance of IGRINS (Immersion Grating Infrared Spectrometer). <i>Proceedings of SPIE</i> , 2014, , .	0.8	108
6	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
7	USING H $\alpha$ MORPHOLOGY AND SURFACE BRIGHTNESS FLUCTUATIONS TO AGE-DATE STAR CLUSTERS IN M83. <i>Astrophysical Journal</i> , 2011, 729, 78.	4.5	80
8	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
9	Effective Radii of Young, Massive Star Clusters in Two LEGUS Galaxies. <i>Astrophysical Journal</i> , 2017, 841, 92.	4.5	66
10	The Resolved Stellar Populations in the LEGUS Galaxies I. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 23.	7.7	63
11	The Hierarchical Distribution of the Young Stellar Clusters in Six Local Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017, 840, 113.	4.5	60
12	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
13	THE BRIGHTEST YOUNG STAR CLUSTERS IN NGC 5253. <i>Astrophysical Journal</i> , 2015, 811, 75.	4.5	56
14	AN INITIAL MASS FUNCTION STUDY OF THE DWARF STARBURST GALAXY NGC 4214. <i>Astrophysical Journal</i> , 2013, 767, 51.	4.5	49
15	The young star cluster population of M51 with LEGUS. 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
16	Hierarchical Star Formation in Turbulent Media: Evidence from Young Star Clusters. <i>Astrophysical Journal</i> , 2017, 842, 25.	4.5	43
17	H $\alpha$ morphologies of star clusters: a LEGUS study of H $\alpha$ 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
18	Star cluster catalogues for the LEGUS dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4897-4919.	4.4	42

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19	HIERARCHICAL STAR FORMATION IN NEARBY LEGUS GALAXIES. <i>Astrophysical Journal Letters</i> , 2014, 787, L15.	8.3	41
20	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
21	STAR CLUSTER PROPERTIES IN TWO LEGUS GALAXIES COMPUTED WITH STOCHASTIC STELLAR POPULATION SYNTHESIS MODELS. <i>Astrophysical Journal</i> , 2015, 812, 147.	4.5	38
22	Characterizing TW Hydra. <i>Astrophysical Journal</i> , 2018, 853, 120.	4.5	38
23	300 nights of science with IGRINS at McDonald Observatory. <i>Proceedings of SPIE</i> , 2016, , .	0.8	35
24	Hierarchical star formation across the ring galaxy NGC 6503. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3508-3528.	4.4	34
25	BIG FISH IN SMALL PONDS: MASSIVE STARS IN THE LOW-MASS CLUSTERS OF M83. <i>Astrophysical Journal</i> , 2014, 793, 4.	4.5	31
26	IGRINS at the Discovery Channel telescope and Gemini South. , 2018, , .		31
27	IGRINS Spectral Library. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 29.	7.7	29
28	LEGUS and H $\alpha$ -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
29	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
30	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
31	H $_{2}$ , CO, and Dust Absorption through Cold Molecular Clouds. <i>Astrophysical Journal</i> , 2017, 838, 66.	4.5	25
32	Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS. <i>Astrophysical Journal</i> , 2018, 855, 133.	4.5	24
33	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
34	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
35	Wolf 1130: A Nearby Triple System Containing a Cool, Ultramassive White Dwarf. <i>Astrophysical Journal</i> , 2018, 854, 145.	4.5	20
36	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

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37	A NEWLY RECOGNIZED VERY YOUNG SUPERNOVA REMNANT IN M83<sup>,</sup><sup>,</sup>. Astrophysical Journal, 2015, 800, 118.	4.5	17
38	The properties, origin and evolution of stellar clusters in galaxy simulations and observations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3580-3596.	4.4	17
39	The IGRINS YSO Survey. I. Stellar Parameters of Pre-main-sequence Stars in Taurus-Auriga. Astrophysical Journal, 2021, 921, 53.	4.5	13
40	The Nearby and Extremely Metal-poor Galaxy CGCG 269-049. Astrophysical Journal, 2008, 675, 194-200.	4.5	12
41	Candidate LBV stars in galaxy NGC 7793 found via <i>HST</i> photometry + MUSE spectroscopy. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2410-2428.	4.4	12
42	Chemical abundances of open clusters from high-resolution infrared spectra - II. NGC 752. Monthly Notices of the Royal Astronomical Society, 2020, 491, 544-559.	4.4	10
43	A Near-infrared Survey of UV-excited Molecular Hydrogen in Photodissociation Regions. Astrophysical Journal, 2021, 919, 27.	4.5	10
44	THREE-DIMENSIONAL SHOCK STRUCTURE OF THE ORION KL OUTFLOW WITH IGRINS*. Astrophysical Journal, 2016, 833, 275.	4.5	10
45	IGRINS NEAR-IR HIGH-RESOLUTION SPECTROSCOPY OF MULTIPLE JETS AROUND LkH 234*. Astrophysical Journal, 2016, 817, 148.	4.5	9
46	Chemical abundances of open clusters from high-resolution infrared spectra - I. NGC 6940. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4625-4640.	4.4	9
47	Chemical Compositions of Red Giant Stars from Habitable Zone Planet Finder Spectroscopy. Astronomical Journal, 2021, 161, 128.	4.7	6
48	INVESTIGATING THE CORE MORPHOLOGY-SEYFERT CLASS RELATIONSHIP WITH <i>HUBBLE SPACE TELESCOPE</i> ARCHIVAL IMAGES OF LOCAL SEYFERT GALAXIES. Astronomical Journal, 2013, 146, 11.	4.7	4
49	A Study of Two Dwarf Irregular Galaxies with Asymmetrical Star Formation Distributions. Astrophysical Journal, 2018, 855, 7.	4.5	4
50	A Comparison of Young Star Properties with Local Galactic Environment for LEGUS/LITTLE THINGS Dwarf Irregular Galaxies. Astronomical Journal, 2018, 156, 21.	4.7	4
51	High-resolution Near-IR Spectral Mapping with H <sub>2</sub> and [Fe ii] Lines of Multiple Outflows around LkH 234. Astrophysical Journal, 2018, 858, 23.	4.5	4
52	Inner Warm Disk of ESO H 279a Revealed by NA i and CO Overtone Emission Lines. Astrophysical Journal, 2017, 844, 4.	4.5	3
53	The Transition from Diffuse Molecular Gas to Molecular Cloud Material in Taurus. Astrophysical Journal, 2021, 914, 59.	4.5	3
54	Spatial Segregation of Massive Clusters in Dwarf Galaxies. Astrophysical Journal Letters, 2020, 888, L27.	8.3	3

#	ARTICLE	IF	CITATIONS
55	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
56	Variable Star Identification in the BATC Field of M67. Key Engineering Materials, 2005, 277-279, 869-875.	0.4	0
57	High-resolution infrared spectroscopy of field Red Horizontal Branch stars. Journal of Molecular Structure, 2018, 1174, 3-5.	3.6	0