

Hyung Mok Lee

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

3,808
citations

29
h-index

61
g-index

84
ext. papers

4,699
ext. citations

6.2
avg, IF

4.31
L-index

#	Paper	IF	Citations
78	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013 , 7, 613-619	33.9	572
77	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018 , 21, 3	32.5	543
76	The X-ray counterpart to the gravitational-wave event GW170817. <i>Nature</i> , 2017 , 551, 71-74	50.4	417
75	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016 , 19, 1	32.5	393
74	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016 , 33,	3.3	155
73	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020 , 23, 3	32.5	144
72	Evolution of dust temperature of galaxies through cosmic time as seen by Herschel?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 409, 75-82	4.3	138
71	Compact binaries ejected from globular clusters as gravitational wave sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 440, 2714-2725	4.3	81
70	Black hole binaries dynamically formed in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 4665-4674	4.3	78
69	Evolution of infrared luminosity functions of galaxies in the AKARI NEP-deep field. <i>Astronomy and Astrophysics</i> , 2010 , 514, A6	5.1	66
68	AKARIOBSERVATION OF THE FLUCTUATION OF THE NEAR-INFRARED BACKGROUND. <i>Astrophysical Journal</i> , 2011 , 742, 124	4.7	61
67	Environmental dependence of local luminous infrared galaxies. <i>Astronomy and Astrophysics</i> , 2010 , 522, A33	5.1	58
66	REST-FRAME OPTICAL SPECTRA AND BLACK HOLE MASSES OF 3 . <i>Astrophysical Journal</i> , 2015 , 806, 109	4.7	53
65	New Spectral Evidence of an Unaccounted Component of the Near-infrared Extragalactic Background Light from the CIBER. <i>Astrophysical Journal</i> , 2017 , 839, 7	4.7	48
64	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021 , 909, 218	4.7	46
63	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209	2.6	45
62	Distance and Properties of NGC 4993 as the Host Galaxy of the Gravitational-wave Source GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 849, L16	7.9	45

61	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017 , 841, 89	4.7	42
60	Dynamical evolution of rotating stellar systems III. Post-collapse, equal-mass system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 334, 310-322	4.3	41
59	Evolution of multimass globular clusters in the Galactic tidal field with the effects of velocity anisotropy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000 , 316, 671-683	4.3	38
58	Black hole binaries in galactic nuclei and gravitational wave sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 448, 754-770	4.3	36
57	The AKARI NEP-Deep survey: a mid-infrared source catalogue. <i>Astronomy and Astrophysics</i> , 2012 , 537, A24	5.1	36
56	Comparative study between N-body and Fokker-Planck simulations for rotating star clusters - I. Equal-mass system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 383, 2-10	4.3	35
55	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. <i>Classical and Quantum Gravity</i> , 2019 , 36, 165008	3.3	34
54	OPTICAL IMAGES AND SOURCE CATALOG OF AKARI NORTH ECLIPTIC POLE WIDE SURVEY FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2010 , 190, 166-180	8	34
53	Comparative study between N-body and Fokker-Planck simulations for rotating star clusters II. Two-component models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 430, 2960-2972	4.3	32
52	SCUBA-2 Ultra Deep Imaging EAO Survey (STUDIES): Faint-end Counts at 450 μ m. <i>Astrophysical Journal</i> , 2017 , 850, 37	4.7	31
51	A TALE OF TWO FEEDBACKS: STAR FORMATION IN THE HOST GALAXIES OF RADIO AGNs. <i>Astrophysical Journal</i> , 2014 , 784, 137	4.7	30
50	HECTOSPEC AND HYDRA SPECTRA OF INFRARED LUMINOUS SOURCES IN THE AKARI NORTH ECLIPTIC POLE SURVEY FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2013 , 207, 37	8	29
49	Infrared luminosity functions of AKARI Sloan Digital Sky Survey galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 414, 1903-1913	4.3	28
48	The North Ecliptic Pole Wide survey of AKARI: a near- and mid-infrared source catalog. <i>Astronomy and Astrophysics</i> , 2012 , 548, A29	5.1	28
47	PHYSICAL PROPERTIES OF TIDAL FEATURES OF INTERACTING DISK GALAXIES: THREE-DIMENSIONAL SELF-CONSISTENT MODELS. <i>Astrophysical Journal</i> , 2015 , 807, 73	4.7	26
46	Low-frequency terrestrial tensor gravitational-wave detector. <i>Classical and Quantum Gravity</i> , 2016 , 33, 075003	3.3	24
45	THE AKARI 2.5-5.0 μ m SPECTRAL ATLAS OF TYPE-1 ACTIVE GALACTIC NUCLEI: BLACK HOLE MASS ESTIMATOR, LINE RATIO, AND HOT DUST TEMPERATURE. <i>Astrophysical Journal, Supplement Series</i> , 2015 , 216, 17	8	22
44	A deep survey of the AKARI north ecliptic pole field. <i>Astronomy and Astrophysics</i> , 2010 , 517, A54	5.1	22

43	ULTRA DEEP AKARI OBSERVATIONS OF ABELL 2218: RESOLVING THE 15 th EXTRAGALACTIC BACKGROUND LIGHT. <i>Astrophysical Journal Letters</i> , 2010 , 716, L45-L50	7.9	21
42	MEASUREMENTS OF THE MEAN DIFFUSE GALACTIC LIGHT SPECTRUM IN THE 0.95 μ m-1.65 μ m BAND FROM CIBER. <i>Astrophysical Journal</i> , 2015 , 806, 69	4.7	20
41	MERGING GALAXY CLUSTER A2255 IN MID-INFRARED. <i>Astrophysical Journal</i> , 2011 , 727, 14	4.7	19
40	AKARIOBSERVATION OF THE SUB-DEGREE SCALE FLUCTUATION OF THE NEAR-INFRARED BACKGROUND. <i>Astrophysical Journal</i> , 2015 , 807, 140	4.7	18
39	AKARIOBSERVATION OF THE NORTH ECLIPTIC POLE (NEP) SUPERCLUSTER ATz= 0.087: MID-INFRARED VIEW OF TRANSITION GALAXIES. <i>Astrophysical Journal</i> , 2012 , 745, 181	4.7	18
38	J - AND H -BAND IMAGING OF AKARI NORTH ECLIPTIC POLE SURVEY FIELD. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 214, 20	8	16
37	A deep ATCA 20 cm radio survey of the AKARI Deep Field South near the South Ecliptic Pole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 1830-1846	4.3	15
36	Spitzer Observations of the North Ecliptic Pole. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 234, 38	8	14
35	UKIRT Widefield Infrared Survey for Fe+. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 443, 2650-2660	4.3	14
34	Evolution of mid-infrared galaxy luminosity functions from the entire AKARI NEP deep field with new CFHT photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 1684-1693	4.3	13
33	THE 3.3 μ m POLYCYCLIC AROMATIC HYDROCARBON EMISSION AS A STAR FORMATION RATE INDICATOR. <i>Astrophysical Journal</i> , 2012 , 760, 120	4.7	10
32	Finite size effects on the Poynting-Robertson effect: A fully general relativistic treatment. <i>New Astronomy</i> , 2011 , 16, 183-186	1.8	9
31	The First release of the AKARI-FIS Bright Source Catalogue 2009 ,		8
30	Large angular scale fluctuations of near-infrared extragalactic background light based on the IRTS observations. <i>Publication of the Astronomical Society of Japan</i> , 2019 , 71,	3.2	7
29	Gravitational waves from compact binaries in post-Newtonian accurate hyperbolic orbits. <i>Physical Review D</i> , 2018 , 98,	4.9	7
28	Detection and characterization of spin-orbit resonances in the advanced gravitational wave detectors era. <i>Physical Review D</i> , 2018 , 98,	4.9	7
27	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. <i>Classical and Quantum Gravity</i> , 2019 , 36, 095015	3.3	6
26	Characteristics of mid-infrared PAH emission from star-forming galaxies selected at 250 μ m in the North Ecliptic Pole field. <i>Publication of the Astronomical Society of Japan</i> , 2019 , 71,	3.2	6

25	AKARI NEP field: Point source catalogs from GALEX and Herschel observations and selection of candidate lensed sub-millimeter galaxies. <i>Publication of the Astronomical Society of Japan</i> , 2019 , 71,	3.2	5
24	Axially symmetric pseudo-Newtonian hydrodynamics code. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 830-842	4.3	5
23	System design of the compact IR space imaging system MIRIS 2010 ,		5
22	Gravitational-wave Detectors and a New Low-frequency Detector SOGRO. <i>New Physics: Sae Mulli</i> , 2016 , 66, 272-282	1.7	5
21	Application of independent component analysis to the iKAGRA data. <i>Progress of Theoretical and Experimental Physics</i> , 2020 , 2020,	5.4	5
20	Gravitational radiation driven capture in unequal mass black hole encounters. <i>Physical Review D</i> , 2017 , 96,	4.9	4
19	NEPSC2, the North Ecliptic Pole SCUBA-2 survey: 850- μ m map and catalogue of 850- μ m-selected sources over 2 deg ² . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 5065-5079	4.3	4
18	Mid-infrared luminosity function of local star-forming galaxies in the North Ecliptic Pole-Wide survey field of AKARI. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 1573-1584	4.3	4
17	Gravitational wave astrophysics, data analysis and multimessenger astronomy. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1	3.6	4
16	AKARI infrared bright source catalogues 2010 ,		4
15	Pseudo-Newtonian models for the equilibrium structures of rotating relativistic stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 399, 229-238	4.3	4
14	Detection of H α emission from $z > 3.5$ submillimetre luminous galaxies with AKARI-FUHYU spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 395-400	4.3	3
13	Equilibrium and dynamical evolution of a self-gravitating system embedded in a potential well. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 414, 2728-2738	4.3	3
12	BONNOR-TYPE BLACK DIHOLE SOLUTION IN BRANSDICKEMAXWELL THEORY. <i>International Journal of Modern Physics A</i> , 2005 , 20, 6461-6485	1.2	3
11	A fully general relativistic numerical simulation code for spherically symmetric matter. <i>Journal of the Korean Physical Society</i> , 2013 , 62, 393-405	0.6	2
10	Optical design and performance of MIRIS near-infrared camera 2010 ,		2
9	Deep learning model on gravitational waveforms in merging and ringdown phases of binary black hole coalescences. <i>Physical Review D</i> , 2021 , 103,	4.9	2
8	Long Journey toward the Detection of Gravitational Waves and New Era of Gravitational Wave Astrophysics. <i>Journal of the Korean Physical Society</i> , 2018 , 73, 684-700	0.6	2

7	Analytic Keplerian-type parametrization for general spinning compact binaries with leading order spin-orbit interactions. <i>Physical Review D</i> , 2019 , 100,	4.9	1
6	LOW-RESOLUTION NEAR-INFRARED STELLAR SPECTRA OBSERVED BY THE COSMIC INFRARED BACKGROUND EXPERIMENT (CIBER). <i>Astronomical Journal</i> , 2017 , 153, 84	4.9	1
5	Discovery of remote star clusters in the halo of the Irregular galaxy NGC 6822. <i>Proceedings of the International Astronomical Union</i> , 2005 , 1, 257-258	0.1	0
4	Space missions for astronomy and astrophysics in Korea: past, present, and future. <i>Journal of the Korean Physical Society</i> , 2021 , 78, 942-971	0.6	0
3	Evolution of a globular cluster with a two-component BH mass spectrum. <i>Proceedings of the International Astronomical Union</i> , 2014 , 10, 245-246	0.1	
2	The Life and Death of Globular Clusters. <i>Symposium - International Astronomical Union</i> , 2002 , 207, 584-592		
1	Terrestrial detector for low-frequency gravitational waves based on full tensor measurement. <i>Journal of Physics: Conference Series</i> , 2016 , 716, 012001	0.3	