

Yoon-Hyun Ryu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

708
citations

567281

15
h-index

677142

22
g-index

50
all docs

50
docs citations

50
times ranked

228
citing authors

#	ARTICLE	IF	CITATIONS
1	A Terrestrial-mass Rogue Planet Candidate Detected in the Shortest-timescale Microlensing Event. <i>Astrophysical Journal Letters</i> , 2020, 903, L11.	8.3	36
2	Systematic KMTNet Planetary Anomaly Search. I. OGLE-2019-BLG-1053Lb, a Buried Terrestrial Planet. <i>Astronomical Journal</i> , 2021, 162, 163.	4.7	30
3	A Free-floating or Wide-orbit Planet in the Microlensing Event OGLE-2019-BLG-0551. <i>Astronomical Journal</i> , 2020, 159, 262.	4.7	30
4	OGLE-2018-BLG-0567Lb and OGLE-2018-BLG-0962Lb: Two Microlensing Planets through the Planetary-caustic Channel. <i>Astronomical Journal</i> , 2021, 161, 293.	4.7	29
5	KMT-2017-BLG-0165Lb: A Super-Neptune-mass Planet Orbiting a Sun-like Host Star. <i>Astronomical Journal</i> , 2019, 157, 72.	4.7	27
6	OGLE-2019-BLG-0960 Lb: the Smallest Microlensing Planet. <i>Astronomical Journal</i> , 2021, 162, 180.	4.7	27
7	Systematic KMTNet Planetary Anomaly Search. II. Six New $q \lesssim 10^{-4}$ Mass-ratio Planets. <i>Astronomical Journal</i> , 2022, 163, 43.	4.7	27
8	Microlensing by a wide-separation planet: detectability and boundness. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 3411-3416.	4.4	25
9	PROPERTIES OF MICROLENSING EVENTS BY WIDE-SEPARATION PLANETS WITH A MOON. <i>Astrophysical Journal</i> , 2016, 826, 90.	4.5	22
10	KMT-2017-BLG-2820 and the Nature of the Free-floating Planet Population. <i>Astronomical Journal</i> , 2021, 161, 126.	4.7	22
11	Systematic KMTNet planetary anomaly search. IV. Complete sample of 2019 prime-field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 928-939.	4.4	22
12	OGLE-2018-BLG-1700L: Microlensing Planet in Binary Stellar System. <i>Astronomical Journal</i> , 2020, 159, 48.	4.7	21
13	PLANETARY CAUSTIC PERTURBATIONS OF A CLOSE-SEPARATION PLANET ON MICROLENSING. <i>Astrophysical Journal</i> , 2016, 829, 43.	4.5	21
14	Spitzer Microlensing Parallax for OGLE-2017-BLG-0896 Reveals a Counter-rotating Low-mass Brown Dwarf. <i>Astronomical Journal</i> , 2019, 157, 106.	4.7	20
15	OGLE-2018-BLG-1011Lb,c: Microlensing Planetary System with Two Giant Planets Orbiting a Low-mass Star. <i>Astronomical Journal</i> , 2019, 158, 114.	4.7	20
16	KMT-2019-BLG-2073: Fourth Free-floating Planet Candidate with $\hat{l} _E \lesssim 10^{1/4}$ as. <i>Astronomical Journal</i> , 2021, 162, 15.	4.7	18
17	KMT-2018-BLG-0748Lb: sub-Saturn microlensing planet orbiting an ultracool host. <i>Astronomy and Astrophysics</i> , 2020, 641, A105.	5.1	18
18	MOA-2016-BLG-319Lb: Microlensing Planet Subject to Rare Minor-image Perturbation Degeneracy in Determining Planet Parameters. <i>Astronomical Journal</i> , 2018, 156, 226.	4.7	17

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19	Systematic Korea Microlensing Telescope Network planetary anomaly search – III. One wide-orbit planet and two stellar binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1778-1790.	4.4	16
20	A Planetary Microlensing Event with an Unusually Red Source Star: MOA-2011-BLG-291. <i>Astronomical Journal</i> , 2018, 156, 113.	4.7	15
21	Spitzer Parallax of OGLE-2018-BLG-0596: A Low-mass-ratio Planet around an M Dwarf. <i>Astronomical Journal</i> , 2019, 158, 28.	4.7	15
22	OGLE-2015-BLG-1771Lb: A Microlens Planet Orbiting an Ultracool Dwarf?. <i>Astronomical Journal</i> , 2020, 159, 116.	4.7	15
23	OGLE-2018-BLG-0532Lb: Cold Neptune with Possible Jovian Sibling. <i>Astronomical Journal</i> , 2020, 160, 183.	4.7	15
24	One Planet or Two Planets? The Ultra-sensitive Extreme-magnification Microlensing Event KMT-2019-BLG-1953. <i>Astronomical Journal</i> , 2020, 160, 17.	4.7	14
25	OGLE-2017-BLG-0406: Spitzer Microlens Parallax Reveals Saturn-mass Planet Orbiting M-dwarf Host in the Inner Galactic Disk. <i>Astronomical Journal</i> , 2020, 160, 74.	4.7	14
26	OGLE-2016-BLG-1227L: A Wide-separation Planet from a Very Short-timescale Microlensing Event. <i>Astronomical Journal</i> , 2020, 159, 91.	4.7	13
27	KMT-2019-BLG-0842Lb: A Cold Planet below the Uranus/Sun Mass Ratio. <i>Astronomical Journal</i> , 2020, 160, 255.	4.7	13
28	KMT-2018-BLG-1025Lb: microlensing super-Earth planet orbiting a low-mass star. <i>Astronomy and Astrophysics</i> , 2021, 649, A90.	5.1	11
29	OGLE-2015-BLG-1670Lb: A Cold Neptune beyond the Snow Line in the Provisional WFIRST Microlensing Survey Field. <i>Astronomical Journal</i> , 2019, 157, 232.	4.7	10
30	KMT-2016-BLG-1107: A New Hollywood-planet Close/Wide Degeneracy. <i>Astronomical Journal</i> , 2019, 157, 23.	4.7	10
31	Spitzer Microlensing Parallax Reveals Two Isolated Stars in the Galactic Bulge. <i>Astrophysical Journal</i> , 2020, 891, 3.	4.5	10
32	KMT-2016-BLG-1820 and KMT-2016-BLG-2142: Two Microlensing Binaries Composed of Planetary-mass Companions and Very-low-mass Primaries. <i>Astronomical Journal</i> , 2018, 156, 208.	4.7	9
33	Candidate Brown-dwarf Microlensing Events with Very Short Timescales and Small Angular Einstein Radii. <i>Astronomical Journal</i> , 2020, 159, 134.	4.7	9
34	KMT-2019-BLG-1715: Planetary Microlensing Event with Three Lens Masses and Two Source Stars. <i>Astronomical Journal</i> , 2021, 161, 270.	4.7	9
35	Spitzer Microlensing of MOA-2016-BLG-231L: A Counter-rotating Brown Dwarf Binary in the Galactic Disk. <i>Astrophysical Journal</i> , 2019, 871, 179.	4.5	8
36	KMT-2018-BLG-1990Lb: A Nearby Jovian Planet From A Low-cadence Microlensing Field. <i>Astronomical Journal</i> , 2019, 158, 151.	4.7	8

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37	KMT-2019-BLG-0371 and the Limits of Bayesian Analysis. <i>Astronomical Journal</i> , 2021, 162, 17.	4.7	8
38	OGLE-2018-BLG-1269Lb: A Jovian Planet with a Bright $I=I_16$ Host. <i>Astronomical Journal</i> , 2020, 160, 148.	4.7	8
39	KMT-2016-BLG-1397b: KMTNET-only Discovery of a Microlens Giant Planet. <i>Astronomical Journal</i> , 2018, 156, 236.	4.7	7
40	KMT-2019-BLG-1339L: An M Dwarf with a Giant Planet or a Companion near the Planet/Brown Dwarf Boundary. <i>Astronomical Journal</i> , 2020, 160, 64.	4.7	7
41	KMT-2018-BLG-1292: A Super-Jovian Microlens Planet in the Galactic Plane. <i>Astronomical Journal</i> , 2020, 159, 58.	4.7	6
42	Shortest Microlensing Event with a Bound Planet: KMT-2016-BLG-2605. <i>Astronomical Journal</i> , 2021, 162, 96.	4.7	5
43	OGLE-2019-BLG-0304: Competing Interpretations between a Planet+binary Model and a Binary-source + Binary-lens Model. <i>Astronomical Journal</i> , 2021, 162, 203.	4.7	4
44	OGLE-2018-BLG-0799Lb: a $q \approx 1/4$ $2.7 \text{--} 10 \text{ AU}^3$ planet with <i>Spitzer</i> parallax. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 5952-5968.	4.4	4
45	OGLE-2018-BLG-0022: First Prediction of an Astrometric Microlensing Signal from a Photometric Microlensing Event. <i>Astrophysical Journal</i> , 2019, 876, 81.	4.5	3
46	KMT-2016-BLG-2052L: Microlensing Binary Composed of M Dwarfs Revealed from a Very Long Timescale Event. <i>Astrophysical Journal</i> , 2018, 865, 14.	4.5	2
47	OGLE-2016-BLG-0156: Microlensing Event with Pronounced Microlens-parallax Effects Yielding a Precise Lens Mass Measurement. <i>Astrophysical Journal</i> , 2019, 872, 175.	4.5	2
48	KMT-2016-BLG-1836Lb: A Super-Jovian Planet from a High-cadence Microlensing Field. <i>Astronomical Journal</i> , 2020, 159, 98.	4.7	2
49	Using Source Proper Motion to Validate Terrestrial Parallax: OGLE-2019-BLG-1058. <i>Astronomical Journal</i> , 2021, 162, 267.	4.7	2
50	OGLE-2016-BLG-1093Lb: A Sub-Jupiter-mass <i>Spitzer</i> Planet Located in the Galactic Bulge. <i>Astronomical Journal</i> , 2022, 163, 254.	4.7	2