Michael D Albrow

List of Publications by Year
in descending order

82 papers	1,455 citations	361413 20 h-index	434195 31 g-index
82 all docs	82 docs citations	82 times ranked	652 citing authors

#	Article	IF	Citations
1	Systematic KMTNet Planetary Anomaly Search. II. Six New q < 2 Ã— 10^{â^'4} Mass-ratio Planets. Astronomical Journal, 2022, 163, 43.	4.7	27
2	KMT-2021-BLG-1898: Planetary microlensing event involved with binary source stars. Astronomy and Astrophysics, 2022, 663, A145.	5.1	8
3	OGLE-2016-BLG-1093Lb: A Sub-Jupiter-mass Spitzer Planet Located in the Galactic Bulge. Astronomical Journal, 2022, 163, 254.	4.7	2
4	OGLE-2018-BLG-0799Lb: a q â^¼ 2.7ÂÃ—Â10â^'3 planet with Spitzer parallax. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5952-5968.	4.4	4
5	The frequency and mass-ratio distribution of binaries in clusters â€“ I. Description of the method and application to M67. Monthly Notices of the Royal Astronomical Society, 2022, 515, 730-738.	4.4	5
6	Systematic KMTNet planetary anomaly search. IV. Complete sample of 2019 prime-field. Monthly Notices of the Royal Astronomical Society, 2022, 515, 928-939.	4.4	22
7	An Isolated Stellar-mass Black Hole Detected through Astrometric Microlensing*. Astrophysical Journal, 2022, 933, 83.	4.5	60
8	Binary-driven stellar rotation evolution at the main-sequence turn-off in star clusters. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4350-4358.	4.4	4
9	OGLE-2018-BLG-1428Lb: a Jupiter-mass planet beyond the snow line of a dwarf star. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2706-2712.	4.4	4
10	KMT-2017-BLG-2820 and the Nature of the Free-floating Planet Population. Astronomical Journal, 2021, 161, 126.	4.7	22
11	KMT-2019-BLG-1715: Planetary Microlensing Event with Three Lens Masses and Two Source Stars. Astronomical Journal, 2021, 161, 270.	4.7	9
12	KMT-2019-BLG-0797: Binary-lensing event occurring on a binary stellar system. Astronomy and Astrophysics, 2021, 649, A91.	5.1	7
13	KMT-2018-BLG-1025Lb: microlensing super-Earth planet orbiting a low-mass star. Astronomy and Astrophysics, 2021, 649, A90.	5.1	11
14	OGLE-2018-BLG-0567Lb and OGLE-2018-BLG-0962Lb: Two Microlensing Planets through the Planetary-caustic Channel. Astronomical Journal, 2021, 161, 293.	4.7	29
15	KMT-2019-BLG-0371 and the Limits of Bayesian Analysis. Astronomical Journal, 2021, 162, 17.	4.7	8
16	Three microlensing planets with no caustic-crossing features. Astronomy and Astrophysics, 2021, 650, A89.	5.1	12
17	KMT-2019-BLG-2073: Fourth Free-floating Planet Candidate with Î¸_E < 10 Î¼as. Astronomical Journal, 2021, 162, 15.	4.7	18
18	KMT-2018-BLG-1743: planetary microlensing event occurring on two source stars. Astronomy and Astrophysics, 2021, 652, A145.	5.1	7

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19	Shortest Microlensing Event with a Bound Planet: KMT-2016-BLG-2605. Astronomical Journal, 2021, 162, 96.	4.7	5
20	Systematic KMTNet Planetary Anomaly Search. I. OGLE-2019-BLG-1053Lb, a Buried Terrestrial Planet. Astronomical Journal, 2021, 162, 163.	4.7	30
21	OGLE-2019-BLG-0960 Lb: the Smallest Microlensing Planet. Astronomical Journal, 2021, 162, 180.	4.7	27
22	OGLE-2019-BLG-0304: Competing Interpretations between a Planetâ€“binary Model and a Binary-source + Binary-lens Model. Astronomical Journal, 2021, 162, 203.	4.7	4
23	An Earth-mass planet in a time of COVID-19: KMT-2020-BLG-0414Lb. Research in Astronomy and Astrophysics, 2021, 21, 239.	1.7	21
24	Using Source Proper Motion to Validate Terrestrial Parallax: OGLE-2019-BLG-1058. Astronomical Journal, 2021, 162, 267.	4.7	2
25	Systematic Korea Microlensing Telescope Network planetary anomaly search â€“ III. One wide-orbit planet and two stellar binaries. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1778-1790.	4.4	16
26	OGLE-2018-BLG-1700L: Microlensing Planet in Binary Stellar System. Astronomical Journal, 2020, 159, 48.	4.7	21
27	KMT-2018-BLG-1292: A Super-Jovian Microlens Planet in the Galactic Plane. Astronomical Journal, 2020, 159, 58.	4.7	6
28	OGLE-2018-BLG-0677Lb: A Super-Earth Near the Galactic Bulge. Astronomical Journal, 2020, 159, 256.	4.7	19
29	OGLE-2016-BLG-1227L: A Wide-separation Planet from a Very Short-timescale Microlensing Event. Astronomical Journal, 2020, 159, 91.	4.7	13
30	KMT-2016-BLG-1836Lb: A Super-Jovian Planet from a High-cadence Microlensing Field. Astronomical Journal, 2020, 159, 98.	4.7	2
31	Candidate Brown-dwarf Microlensing Events with Very Short Timescales and Small Angular Einstein Radii. Astronomical Journal, 2020, 159, 134.	4.7	9
32	Spitzer Microlensing Parallax Reveals Two Isolated Stars in the Galactic Bulge. Astrophysical Journal, 2020, 891, 3.	4.5	10
33	KMT-2018-BLG-0748Lb: sub-Saturn microlensing planet orbiting an ultracool host. Astronomy and Astrophysics, 2020, 641, A105.	5.1	18
34	Four microlensing planets with faint-source stars identified in the 2016 and 2017 season data. Astronomy and Astrophysics, 2020, 642, A110.	5.1	12
35	OGLE-2015-BLG-1771Lb: A Microlens Planet Orbiting an Ultracool Dwarf?. Astronomical Journal, 2020, 159, 116.	4.7	15
36	A Free-floating or Wide-orbit Planet in the Microlensing Event OGLE-2019-BLG-0551. Astronomical Journal, 2020, 159, 262.	4.7	30

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37	One Planet or Two Planets? The Ultra-sensitive Extreme-magnification Microlensing Event KMT-2019-BLG-1953. Astronomical Journal, 2020, 160, 17.	4.7	14
38	KMT-2019-BLG-1339L: An M Dwarf with a Giant Planet or a Companion near the Planet/Brown Dwarf Boundary. Astronomical Journal, 2020, 160, 64.	4.7	7
39	OGLE-2017-BLG-0406: Spitzer Microlens Parallax Reveals Saturn-mass Planet Orbiting M-dwarf Host in the Inner Galactic Disk. Astronomical Journal, 2020, 160, 74.	4.7	14
40	OGLE-2018-BLG-0532Lb: Cold Neptune with Possible Jovian Sibling. Astronomical Journal, 2020, 160, 183.	4.7	15
41	OGLE-2018-BLG-1269Lb: A Jovian Planet with a Bright IÂ=Â16 Host. Astronomical Journal, 2020, 160, 148.	4.7	8
42	KMT-2019-BLG-0842Lb: A Cold Planet below the Uranus/Sun Mass Ratio. Astronomical Journal, 2020, 160, 255.	4.7	13
43	A Terrestrial-mass Rogue Planet Candidate Detected in the Shortest-timescale Microlensing Event. Astrophysical Journal Letters, 2020, 903, L11.	8.3	36
44	Spectroscopic Mass and Host-star Metallicity Measurements for Newly Discovered Microlensing Planet OGLE-2018-BLG-0740Lb. Astronomical Journal, 2019, 158, 102.	4.7	14
45	Spitzer Parallax of OGLE-2018-BLG-0596: A Low-mass-ratio Planet around an M Dwarf. Astronomical Journal, 2019, 158, 28.	4.7	15
46	Stellar Rotation and the Extended Main-sequence Turnoff in the Open Cluster NGC 5822. Astrophysical Journal, 2019, 876, 113.	4.5	31
47	OGLE-2015-BLG-1670Lb: A Cold Neptune beyond the Snow Line in the Provisional WFIRSTÂMicrolensing Survey Field. Astronomical Journal, 2019, 157, 232.	4.7	10
48	KMT-2016-BLG-1107: A New Hollywood-planet Close/Wide Degeneracy. Astronomical Journal, 2019, 157, 23.	4.7	10
49	Spitzer Microlensing Parallax for OGLE-2017-BLG-0896 Reveals a Counter-rotating Low-mass Brown Dwarf. Astronomical Journal, 2019, 157, 106.	4.7	20
50	Two Jupiter-mass Planets Discovered by the KMTNet Survey in 2017. Astronomical Journal, 2019, 157, 146.	4.7	6
51	Spitzer Microlensing of MOA-2016-BLG-231L: A Counter-rotating Brown Dwarf Binary in the Galactic Disk. Astrophysical Journal, 2019, 871, 179.	4.5	8
52	KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-solar Twin. Astrophysical Journal, Supplement Series, 2019, 240, 13.	7.7	9
53	KMT-2017-BLG-0165Lb: A Super-Neptune-mass Planet Orbiting a Sun-like Host Star. Astronomical Journal, 2019, 157, 72.	4.7	27
54	KMT-2018-BLG-1990Lb: A Nearby Jovian Planet From A Low-cadence Microlensing Field. Astronomical Journal, 2019, 158, 151.	4.7	8

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55	Two new free-floating or wide-orbit planets from microlensing. Astronomy and Astrophysics, 2019, 622, A201.	5.1	49
56	OGLE-2018-BLG-1011Lb,c: Microlensing Planetary System with Two Giant Planets Orbiting a Low-mass Star. Astronomical Journal, 2019, 158, 114.	4.7	20
57	The 2L1S/1L2S Degeneracy for Two Microlensing Planet Candidates Discovered by the KMTNet Survey in 2017. Astronomical Journal, 2019, 158, 199.	4.7	9
58	OGLE-2017-BLG-0173Lb: Low-mass-ratio Planet in a â€œHollywoodâ€•Microlensing Event. Astronomical Journal, 2018, 155, 20.	4.7	50
59	OGLE-2017-BLG-1522: A Giant Planet around a Brown Dwarf Located in the Galactic Bulge. Astronomical Journal, 2018, 155, 219.	4.7	50
60	MOA-2016-BLG-319Lb: Microlensing Planet Subject to Rare Minor-image Perturbation Degeneracy in Determining Planet Parameters. Astronomical Journal, 2018, 156, 226.	4.7	17
61	KMT-2016-BLG-1397b: KMTNET-only Discovery of a Microlens Giant Planet. Astronomical Journal, 2018, 156, 236.	4.7	7
62	KMT-2016-BLG-2052L: Microlensing Binary Composed of M Dwarfs Revealed from a Very Long Timescale Event. Astrophysical Journal, 2018, 865, 14.	4.5	2
63	KMT-2016-BLG-1820 and KMT-2016-BLG-2142: Two Microlensing Binaries Composed of Planetary-mass Companions and Very-low-mass Primaries. Astronomical Journal, 2018, 156, 208.	4.7	9
64	OGLE-2016-BLG-1266: A Probable Brown Dwarf/Planet Binary at the Deuterium Fusion Limit. Astrophysical Journal, 2018, 858, 107.	4.5	11
65	OGLE-2015-BLG-1459L: The Challenges of Exo-moon Microlensing. Astronomical Journal, 2018, 155, 259.	4.7	20
66	Korea Microlensing Telescope Network Microlensing Events from 2015: Event-finding Algorithm, Vetting, and Photometry. Astronomical Journal, 2018, 155, 76.	4.7	93
67	OGLE-2017-BLG-0537: A Microlensing Event with a Resolvable Lens in â‰²5 years from High-resolution Follow-up Observations. Astrophysical Journal, 2018, 863, 22.	4.5	6
68	OGLE-2016-BLG-1003: First Resolved Caustic-crossing Binary-source Event Discovered by Second-generation Microlensing Surveys. Astrophysical Journal, 2017, 841, 75.	4.5	13
69	OGLE-2016-BLG-0263Lb: Microlensing Detection of a Very Low-mass Binary Companion through a Repeating Event Channel. Astronomical Journal, 2017, 154, 133.	4.7	32
70	Toward a Galactic Distribution of Planets. I. Methodology and Planet Sensitivities of the 2015 High-cadence Spitzer Microlens Sample. Astronomical Journal, 2017, 154, 210.	4.7	82
71	Microlensing Constraints on the Mass of Single Stars from HST Astrometric Measurements[*]. Astrophysical Journal, 2017, 843, 145.	4.5	26
72	OGLE-2016-BLG-1469L: Microlensing Binary Composed of Brown Dwarfs. Astrophysical Journal, 2017, 843, 59.	4.5	33

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73	OGLE-2016-BLG-0693LB: Probing the Brown Dwarf Desert with Microlensing. Astronomical Journal, 2017, 154, 247.	4.7	7
74	OGLE-2016-BLG-0613LABb: A Microlensing Planet in a Binary System. Astronomical Journal, 2017, 154, 223.	4.7	48
75	Simulating the Role of Stellar Rotation in the Spectroscopic Effects of Differential Limb Magnification. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	0
76	A search for transiting planets in the Galactic Plane. Proceedings of the International Astronomical Union, 2008, 4, 343-345.	0.0	0
77	A spectroscopic study of southern binary Cepheids. International Astronomical Union Colloquium, 2004, 193, 403-406.	0.1	0
78	Variable Star Research by the PLANET Collaboration. International Astronomical Union Colloquium, 2000, 176, 25-30.	0.1	0
79	RV Tauri stars -- II. A spectroscopic study. Monthly Notices of the Royal Astronomical Society, 1997, 286, 1-22.	4.4	66
80	Formation Depths of Spectral Lines in Cepheids. International Astronomical Union Colloquium, 1995, 155, 373-374.	0.1	0
81	Line profiles of Cepheid variables: projection factors and metallic line asymmetries. Monthly Notices of the Royal Astronomical Society, 1994, 267, 548-556.	4.4	21
82	Asymmetry of metallic spectral lines in Cepheids. International Astronomical Union Colloquium, 1993, 139, 375-375.	0.1	0