

Rafael Brahm

List of Publications by Year in descending order

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99
papers

3,375
citations

172457

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101
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#	ARTICLE	IF	CITATIONS
1	TESS Giants Transiting Giants. I.: A Noninflated Hot Jupiter Orbiting a Massive Subgiant. <i>Astronomical Journal</i> , 2022, 163, 53.	4.7	12
2	HATS-74Ab, HATS-75b, HATS-76b, and HATS-77b: Four Transiting Giant Planets Around K and M Dwarfs*. <i>Astronomical Journal</i> , 2022, 163, 125.	4.7	24
3	Transit timings variations in the three-planet system: TOI-270. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5464-5485.	4.4	6
4	HD 76920 b pinned down: A detailed analysis of the most eccentric planetary system around an evolved star. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	7
5	NGTS-14Ab: a Neptune-sized transiting planet in the desert. <i>Astronomy and Astrophysics</i> , 2021, 646, A183.	5.1	11
6	Precise Transit and Radial-velocity Characterization of a Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune TOI-216b. <i>Astronomical Journal</i> , 2021, 161, 161.	4.7	21
7	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , 2021, 161, 194.	4.7	22
8	A Transiting Warm Giant Planet around the Young Active Star TOI-201. <i>Astronomical Journal</i> , 2021, 161, 235.	4.7	20
9	Warm Jupiters in TESS Full-frame Images: A Catalog and Observed Eccentricity Distribution for Year 1. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 6.	7.7	18
10	TOI-431/HIP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2782-2803.	4.4	19
11	Populating the brown dwarf and stellar boundary: Five stars with transiting companions near the hydrogen-burning mass limit. <i>Astronomy and Astrophysics</i> , 2021, 652, A127.	5.1	18
12	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , 2021, 161, 82.	4.7	8
13	TOI-257b (HD 19916b): a warm sub-saturn orbiting an evolved F-type star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3704-3722.	4.4	33
14	Orbital and physical parameters of eclipsing binaries from the ASAS catalogue – XII. A sample of systems with K_2 photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5687-5708.	4.4	6
15	A Pair of Warm Giant Planets near the 2:1 Mean Motion Resonance around the K-dwarf Star TOI-2202*. <i>Astronomical Journal</i> , 2021, 162, 283.	4.7	13
16	TOI-222: a single-transit TESS candidate revealed to be a 34-d eclipsing binary with CORALIE, EulerCam, and NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1761-1769.	4.4	30
17	HD 213885b: a transiting 1-d-period super-Earth with an Earth-like composition around a bright ($V = 7.9$) star unveiled by TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2982-2999.	4.4	38
18	Three short-period Jupiters from TESS. <i>Astronomy and Astrophysics</i> , 2020, 639, A76.	5.1	17

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19	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. <i>Astronomical Journal</i> , 2020, 160, 53.	4.7	39
20	An ultrahot Neptune in the Neptune desert. <i>Nature Astronomy</i> , 2020, 4, 1148-1157.	10.1	43
21	K2-280â€%b â€“ a low density warm sub-Saturn around a mildly evolved star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4423-4435.	4.4	2
22	TOI-503: The First Known Brown-dwarf Am-star Binary from the TESS Mission*. <i>Astronomical Journal</i> , 2020, 159, 151.	4.7	29
23	The White Dwarf Binary Pathways Survey â~III. Contamination from hierarchical triples containing a white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 915-922.	4.4	8
24	TOI-677b: A Warm Jupiter (P = 11.2 days) on an Eccentric Orbit Transiting a Late F-type Star. <i>Astronomical Journal</i> , 2020, 159, 145.	4.7	32
25	HATS-71b: A Giant Planet Transiting an M3 Dwarf Star in TESS Sector 1. <i>Astronomical Journal</i> , 2020, 159, 267.	4.7	24
26	The highly inflated giant planet WASP-174b. <i>Astronomy and Astrophysics</i> , 2020, 633, A30.	5.1	2
27	HATS-47b, HATS-48Ab, HATS-49b, and HATS-72b: Four Warm Giant Planets Transiting K Dwarfs*. <i>Astronomical Journal</i> , 2020, 159, 173.	4.7	8
28	MASCARA-4 b/bRing-1 b: A retrograde hot Jupiter around a bright A-type star. <i>Astronomy and Astrophysics</i> , 2020, 635, A60.	5.1	21
29	The Multiplanet System TOI-421: A Warm Neptune and a Super Puffy Mini-Neptune Transiting a G9 V Star in a Visual Binary*. <i>Astronomical Journal</i> , 2020, 160, 114.	4.7	17
30	TOI 694b and TIC 220568520b: Two Low-mass Companions near the Hydrogen-burning Mass Limit Orbiting Sun-like Stars. <i>Astronomical Journal</i> , 2020, 160, 133.	4.7	12
31	Cluster Difference Imaging Photometric Survey. II. TOI 837: A Young Validated Planet in IC 2602. <i>Astronomical Journal</i> , 2020, 160, 239.	4.7	38
32	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. <i>Astronomical Journal</i> , 2020, 160, 235.	4.7	23
33	A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. <i>Astronomical Journal</i> , 2020, 160, 275.	4.7	19
34	NGTS-11 b (TOI-1847 b): A Transiting Warm Saturn Recovered from a TESS Single-transit Event. <i>Astrophysical Journal Letters</i> , 2020, 898, L11.	8.3	30
35	HATS-37Ab and HATS-38b: Two Transiting Hot Neptunes in the Desert*. <i>Astronomical Journal</i> , 2020, 160, 222.	4.7	6
36	HD 1397b: A Transiting Warm Giant Planet Orbiting A V=7.8 mag Subgiant Star Discovered by TESS. <i>Astronomical Journal</i> , 2019, 158, 45.	4.7	39

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37	Estimation of singly transiting K2 planet periods with Gaia parallaxes. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3149-3161.	4.4	7
38	juliet: a versatile modelling tool for transiting and non-transiting exoplanetary systems. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2262-2283.	4.4	167
39	TOI-150b and TOI-163b: two transiting hot Jupiters, one eccentric and one inflated, revealed by TESS near and at the edge of the JWST CVZ. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1094-1110.	4.4	16
40	HATS-54bâ€“HATS-58Ab: Five New Transiting Hot Jupiters Including One with a Possible Temperate Companion*. Astronomical Journal, 2019, 158, 63.	4.7	15
41	A discontinuity in the T radius relation of M-dwarfs. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2674-2683.	4.4	37
42	Towards reliable uncertainties in IR interferometry: the bootstrap for correlated statistical and systematic errors. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2656-2673.	4.4	8
43	HATS-60bâ€“HATS-69b: 10 Transiting Planets from HATSouth*. Astronomical Journal, 2019, 157, 55.	4.7	27
44	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. Astronomical Journal, 2019, 157, 245.	4.7	72
45	HATS-70b: A 13 MJ Brown Dwarf Transiting an A Star*. Astronomical Journal, 2019, 157, 31.	4.7	35
46	K2-287 b: An Eccentric Warm Saturn Transiting a G-dwarf. Astronomical Journal, 2019, 157, 100.	4.7	14
47	An Eccentric Massive Jupiter Orbiting a Subgiant on a 9.5-day Period Discovered in the Transiting Exoplanet Survey Satellite Full Frame Images. Astronomical Journal, 2019, 157, 191.	4.7	46
48	TESS light curves of low-mass detached eclipsing binaries. Proceedings of the International Astronomical Union, 2019, 15, 300-304.	0.0	1
49	HD 2685 b: a hot Jupiter orbiting an early F-type star detected by TESS. Astronomy and Astrophysics, 2019, 625, A16.	5.1	33
50	K2-161b: a low-density super-Neptune on an eccentric orbit. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1970-1979.	4.4	11
51	HD 202772A b: A Transiting Hot Jupiter around a Bright, Mildly Evolved Star in a Visual Binary Discovered by TESS. Astronomical Journal, 2019, 157, 51.	4.7	66
52	HATS-43b, HATS-44b, HATS-45b, and HATS-46b: Four Short-period Transiting Giant Planets in the Neptuneâ€“Jupiter Mass Range*. Astronomical Journal, 2018, 155, 112.	4.7	35
53	HATS-50b through HATS-53b: Four Transiting Hot Jupiters Orbiting G-type Stars Discovered by the HATSouth Survey*. Astronomical Journal, 2018, 155, 79.	4.7	30
54	HATS-59b,c: A Transiting Hot Jupiter and a Cold Massive Giant Planet around a Sun-like Star*. Astronomical Journal, 2018, 156, 216.	4.7	5

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55	HATS-36b and 24 Other Transiting/Eclipsing Systems from the HATSouth-K2 Campaign 7 Program. <i>Astronomical Journal</i> , 2018, 155, 119.	4.7	27
56	Precision stellar radial velocity measurements with FIDEOS at the ESO 1-m telescope of La Silla. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 5041-5051.	4.4	13
57	HATS-39b, HATS-40b, HATS-41b, and HATS-42b: three inflated hot Jupiters and a super-Jupiter transiting F stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3406-3423.	4.4	30
58	K2-140b “an eccentric 6.57% ^d transiting hot Jupiter in Virgo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1809-1818.	4.4	37
59	K2-232 b: a transiting warm Saturn on an eccentric $P=11.2$ % ^d orbit around a $V=9.9$ star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2572-2581.	4.4	17
60	K2-237 b and K2-238 b: discovery and characterization of two new transiting hot Jupiters from K2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 5356-5365.	4.4	10
61	A hot Saturn on an eccentric orbit around the giant star K2-132. <i>Astronomy and Astrophysics</i> , 2018, 613, A76.	5.1	12
62	Absolute Properties of the Detached Eclipsing Binary EPIC 202674012 (HD 149946). <i>Research Notes of the AAS</i> , 2018, 2, 226.	0.7	2
63	CERES: A Set of Automated Routines for Echelle Spectra. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 034002.	3.1	144
64	HATS-22b, HATS-23b and HATS-24b: three new transiting super-Jupiters from the HATSouth project. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 835-848.	4.4	33
65	New planetary systems from the Calan Hertfordshire Extrasolar Planet Search. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 443-473.	4.4	65
66	K2-113: a dense hot-Jupiter transiting a solar analogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4374-4380.	4.4	29
67	An eccentric companion at the edge of the brown dwarf desert orbiting the $2.4 M_{\odot}$ giant star HIP 67537. <i>Astronomy and Astrophysics</i> , 2017, 602, A58.	5.1	25
68	HATS-31B THROUGH HATS-35B: FIVE TRANSITING HOT JUPITERS DISCOVERED BY THE HATSOUTH SURVEY*. <i>Astronomical Journal</i> , 2016, 152, 161.	4.7	33
69	197 CANDIDATES AND 104 VALIDATED PLANETS IN K2's FIRST FIVE FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 226, 7.	7.7	177
70	HATS-15b and HATS-16b: Two Massive Planets Transiting Old G Dwarf Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 074401.	3.1	26
71	HATS-25B THROUGH HATS-30B: A HALF-DOZEN NEW INFLATED TRANSITING HOT JUPITERS FROM THE HATSOUTH SURVEY*. <i>Astronomical Journal</i> , 2016, 152, 108.	4.7	49
72	HATS-11B AND HATS-12B: TWO TRANSITING HOT JUPITERS ORBITING SUBSOLAR METALLICITY STARS SELECTED FOR THE K2 CAMPAIGN 7*. <i>Astronomical Journal</i> , 2016, 152, 88.	4.7	32

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73	Kepler-539: A young extrasolar system with two giant planets on wide orbits and in gravitational interaction. <i>Astronomy and Astrophysics</i> , 2016, 590, A112.	5.1	18
74	Physical properties of the planetary systems WASP-45 and WASP-46 from simultaneous multiband photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 990-1002.	4.4	37
75	Orbital and physical parameters of eclipsing binaries from the ASAS catalogue â€“ IX. Spotted pairs with red giants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2234-2249.	4.4	4
76	DISCOVERY AND VALIDATION OF A HIGH-DENSITY SUB-NEPTUNE FROM THE K2 MISSION. <i>Astrophysical Journal</i> , 2016, 830, 43.	4.5	49
77	An Independent Discovery of Two Hot Jupiters from the <i>K2</i> Mission. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 124402.	3.1	33
78	HATS-18B: AN EXTREME SHORT-PERIOD MASSIVE TRANSITING PLANET SPINNING UP ITS STAR ^{âˆ—} . <i>Astronomical Journal</i> , 2016, 152, 127.	4.7	54
79	HATS-17b: A TRANSITING COMPACT WARM JUPITER IN A 16.3 DAY CIRCULAR ORBIT*. <i>Astronomical Journal</i> , 2016, 151, 89.	4.7	57
80	Resolving the planetesimal belt of HR 8799 with ALMA. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 460, L10-L14.	3.3	87
81	An optical transmission spectrum of the transiting hot Jupiter in the metal-poor WASP-98 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1053-1061.	4.4	42
82	THE PAN-PACIFIC PLANET SEARCH. IV. TWO SUPER-JUPITERS IN A 3:5 RESONANCE ORBITING THE GIANT STAR HD 33844. <i>Astrophysical Journal</i> , 2016, 818, 35.	4.5	48
83	The first pre-supersoft X-ray binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1754-1763.	4.4	24
84	HATS-7b: A HOT SUPER NEPTUNE TRANSITING A QUIET K DWARF STAR. <i>Astrophysical Journal</i> , 2015, 813, 111.	4.5	48
85	A 0.24+0.18â€‰MâŠ™ double-lined eclipsing binary from the HATSouth survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2263-2277.	4.4	29
86	EARLY OPTICAL SPECTRA OF NOVA V1369 CEN SHOW THE PRESENCE OF LITHIUM. <i>Astrophysical Journal Letters</i> , 2015, 808, L14.	8.3	71
87	Orbital and physical parameters of eclipsing binaries from the ASAS catalogue â€“ VII. V1200 Centauri: a bright triple in the Hyades moving groupâ€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 1937-1944.	4.4	7
88	HATS-8b: A LOW-DENSITY TRANSITING SUPER-NEPTUNE. <i>Astronomical Journal</i> , 2015, 150, 49.	4.7	47
89	HATS-6b: A WARM SATURN TRANSITING AN EARLY M DWARF STAR, AND A SET OF EMPIRICAL RELATIONS FOR CHARACTERIZING K AND M DWARF PLANET HOSTS. <i>Astronomical Journal</i> , 2015, 149, 166.	4.7	106
90	HATS9-b AND HATS10-b: TWO COMPACT HOT JUPITERS IN FIELD 7 OF THE K2 MISSION. <i>Astronomical Journal</i> , 2015, 150, 33.	4.7	52

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91	A HIGH OBLIQUITY ORBIT FOR THE HOT-JUPITER HATS-14b TRANSITING A 5400 K STAR. <i>Astrophysical Journal Letters</i> , 2015, 814, L16.	8.3	40
92	HATS-13b and HATS-14b: two transiting hot Jupiters from the HATSouth survey. <i>Astronomy and Astrophysics</i> , 2015, 580, A63.	5.1	15
93	HATS-4b: A DENSE HOT JUPITER TRANSITING A SUPER METAL-RICH G STAR. <i>Astronomical Journal</i> , 2014, 148, 29.	4.7	84
94	HATS-5b: A TRANSITING HOT SATURN FROM THE HATSouth SURVEY. <i>Astronomical Journal</i> , 2014, 147, 144.	4.7	43
95	The massâ€“radius relationship for very low mass stars: four new discoveries from the HATSouth Surveyâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 437, 2831-2844.	4.4	48
96	HATS-1b: THE FIRST TRANSITING PLANET DISCOVERED BY THE HATSouth SURVEY. <i>Astronomical Journal</i> , 2013, 145, 5.	4.7	75
97	HATS-3b: AN INFLATED HOT JUPITER TRANSITING AN F-TYPE STAR. <i>Astronomical Journal</i> , 2013, 146, 113.	4.7	75
98	HATS-2b: A transiting extrasolar planet orbiting a <i>K</i> -type star showing starspot activity. <i>Astronomy and Astrophysics</i> , 2013, 558, A55.	5.1	40
99	<tt>ZASPE</tt> : A Code to Measure Stellar Atmospheric Parameters and their Covariance from Spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx144.	4.4	41