

# Stphane Udry

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

120  
papers

8,006  
citations

42  
h-index

88  
g-index

130  
ext. papers

9,650  
ext. citations

9  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
120	A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds. <i>Astronomical Journal</i> , <b>2022</b> , 163, 168	4.9	2
119	Transit timings variations in the three-planet system: TOI-270. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 510, 5464-5485	4.3	0
118	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. <i>Science</i> , <b>2021</b> , 374, 1271-1275	33.3	4
117	NGTS 15b, 16b, 17b, and 18b: four hot Jupiters from the Next-Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 6018-6032	4.3	2
116	NGTS-13b: a hot 4.8 Jupiter-mass planet transiting a subgiant star. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 647, A180	5.1	3
115	A Transiting Warm Giant Planet around the Young Active Star TOI-201. <i>Astronomical Journal</i> , <b>2021</b> , 161, 235	4.9	5
114	NGTS-19b: a high-mass transiting brown dwarf in a 17-d eccentric orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 2741-2752	4.3	2
113	Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities. <i>Astronomical Journal</i> , <b>2021</b> , 161, 287	4.9	4
112	Transit detection of the long-period volatile-rich super-Earth $\delta$ Lupi d with CHEOPS. <i>Nature Astronomy</i> , <b>2021</b> , 5, 775-787	12.1	7
111	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 254, 39	8	50
110	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. <i>Astronomical Journal</i> , <b>2021</b> , 162, 79	4.9	5
109	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> , <b>2021</b> , 507, 2782-2803	4.3	3
108	Populating the brown dwarf and stellar boundary: Five stars with transiting companions near the hydrogen-burning mass limit. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 652, A127	5.1	2
107	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , <b>2021</b> , 161, 82	4.9	3
106	The EBLM project VIII. Spin-orbit alignment for the circumbinary planet host EBLM J0608-59 A/TOI-1338 A. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 1627-1633	4.3	3
105	NGTS J214358.5B80102 [NGTS discovery of the most eccentric known eclipsing M-dwarf binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 3950-3961	4.3	6
104	TOI-1338: TESS First Transiting Circumbinary Planet. <i>Astronomical Journal</i> , <b>2020</b> , 159, 253	4.9	28

103	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , <b>2020</b> , 160, 22	4.9	19
102	Shallow transit follow-up from Next-Generation Transit Survey: Simultaneous observations of HD 106315 with 11 identical telescopes. <i>Astronomische Nachrichten</i> , <b>2020</b> , 341, 273-282	0.7	9
101	A remnant planetary core in the hot-Neptune desert. <i>Nature</i> , <b>2020</b> , 583, 39-42	50.4	37
100	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , <b>2020</b> , 160, 3	4.9	35
99	NGTS-10b: the shortest period hot Jupiter yet discovered. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 126-140	4.3	10
98	HATS-47b, HATS-48Ab, HATS-49b, and HATS-72b: Four Warm Giant Planets Transiting K Dwarfs. <i>Astronomical Journal</i> , <b>2020</b> , 159, 173	4.9	4
97	Resolving period aliases for TESS monotransits recovered during the extended mission. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 500, 5088-5097	4.3	1
96	Two Transiting Hot Jupiters from the WASP Survey: WASP-150b and WASP-176b. <i>Astronomical Journal</i> , <b>2020</b> , 159, 255	4.9	3
95	TESS Reveals a Short-period Sub-Neptune Sibling (HD 86226c) to a Known Long-period Giant Planet. <i>Astronomical Journal</i> , <b>2020</b> , 160, 96	4.9	12
94	TOI 694b and TIC 220568520b: Two Low-mass Companions near the Hydrogen-burning Mass Limit Orbiting Sun-like Stars. <i>Astronomical Journal</i> , <b>2020</b> , 160, 133	4.9	8
93	Transits of Known Planets Orbiting a Naked-eye Star. <i>Astronomical Journal</i> , <b>2020</b> , 160, 129	4.9	8
92	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. <i>Astronomical Journal</i> , <b>2020</b> , 160, 235	4.9	9
91	NGTS-11 b (TOI-1847 b): A Transiting Warm Saturn Recovered from a TESS Single-transit Event. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 898, L11	7.9	14
90	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> , <b>2020</b> , 492, 1761-1769	4.3	16
89	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> , <b>2020</b> , 491, 2982-2999	4.3	18
88	NGTS-12b: A sub-Saturn mass transiting exoplanet in a 7.53 day orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 3139-3148	4.3	4
87	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. <i>Astronomical Journal</i> , <b>2020</b> , 160, 53	4.9	26
86	An eclipsing M-dwarf close to the hydrogen burning limit from NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 3115-3124	4.3	3

85	A long-period ( $P = 61.8$ d) M5V dwarf eclipsing a Sun-like star from TESS and NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 2713-2719	4.3	10
84	An ultrahot Neptune in the Neptune desert. <i>Nature Astronomy</i> , <b>2020</b> , 4, 1148-1157	12.1	15
83	Simultaneous TESS and NGTS transit observations of WASP-166 b. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 5872-5881	4.3	15
82	Night-side condensation of iron in an ultrahot giant exoplanet. <i>Nature</i> , <b>2020</b> , 580, 597-601	50.4	83
81	NGTS-6b: an ultrashort period hot-Jupiter orbiting an old K dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 4125-4134	4.3	10
80	The EBLM Project. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 625, A150	5.1	14
79	TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 871, L24	7.9	83
78	NGTS-4b: A sub-Neptune transiting in the desert. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 5094-5103	4.3	30
77	K2-291b: A Rocky Super-Earth in a 2.2 day Orbit. <i>Astronomical Journal</i> , <b>2019</b> , 157, 116	4.9	11
76	TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L7	7.9	50
75	Classifying exoplanet candidates with convolutional neural networks: application to the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 5232-5250	4.3	12
74	NGTS-7Ab: an ultrashort-period brown dwarf transiting a tidally locked and active M dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 5146-5164	4.3	29
73	Three Red Suns in the Sky: A Transiting, Terrestrial Planet in a Triple M-dwarf System at 6.9 pc. <i>Astronomical Journal</i> , <b>2019</b> , 158, 152	4.9	39
72	An 11 Earth-mass, Long-period Sub-Neptune Orbiting a Sun-like Star. <i>Astronomical Journal</i> , <b>2019</b> , 158, 165	4.9	8
71	Using HARPS-N to characterize the long-period planets in the PH-2 and Kepler-103 systems. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 5103-5121	4.3	5
70	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. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 1094-1110	4.3	7
69	A giant impact as the likely origin of different twins in the Kepler-107 exoplanet system. <i>Nature Astronomy</i> , <b>2019</b> , 3, 416-423	12.1	34
68	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , <b>2019</b> , 158, 177	4.9	27

67	Hot, rocky and warm, puffy super-Earths orbiting TOI-402 (HD 15337). <i>Astronomy and Astrophysics</i> , <b>2019</b> , 627, A43	5.1	22
66	The BEBOP radial-velocity survey for circumbinary planets. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 624, A68	5.1	18
65	HD 2685 b: a hot Jupiter orbiting an early F-type star detected by TESS. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 625, A16	5.1	24
64	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , <b>2019</b> , 157, 32	4.9	58
63	Detection of a giant flare displaying quasi-periodic pulsations from a pre-main-sequence M star by the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 5553-5586	4.3	23
62	NGTS-1b: a hot Jupiter transiting an M-dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 4467-4475	4.3	69
61	The Next Generation Transit Survey (NGTS). <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 4476-4493	4.3	127
60	An Ultra-short Period Rocky Super-Earth with a Secondary Eclipse and a Neptune-like Companion around K2-141. <i>Astronomical Journal</i> , <b>2018</b> , 155, 107	4.9	66
59	High-Precision Spectrographs for Exoplanet Research: CORAVEL, ELODIE, CORALIE, SOPHIE and HARPS <b>2018</b> , 1-28		2
58	An Accurate Mass Determination for Kepler-1655b, a Moderately Irradiated World with a Significant Volatile Envelope. <i>Astronomical Journal</i> , <b>2018</b> , 155, 203	4.9	15
57	Ground-based detection of G star superflares with NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 4655-4664	4.3	15
56	TESS DISCOVERY OF A TRANSITING SUPER-EARTH IN THE MENSAE SYSTEM. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 868,	7.9	125
55	Automatic vetting of planet candidates from ground-based surveys: machine learning with NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 4225-4237	4.3	17
54	NGTS-2b: an inflated hot-Jupiter transiting a bright F-dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 4960-4970	4.3	13
53	WASP-128b: a transiting brown dwarf in the dynamical-tide regime. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 5091-5097	4.3	22
52	Unmasking the hidden NGTS-3Ab: a hot Jupiter in an unresolved binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 4720-4737	4.3	17
51	A temperate rocky super-Earth transiting a nearby cool star. <i>Nature</i> , <b>2017</b> , 544, 333-336	50.4	227
50	The Kepler-19 System: A Thick-envelope Super-Earth with Two Neptune-mass Companions Characterized Using Radial Velocities and Transit Timing Variations. <i>Astronomical Journal</i> , <b>2017</b> , 153, 224	4.9	46

49	Two massive rocky planets transiting a K-dwarf 6.5 parsecs away. <i>Nature Astronomy</i> , <b>2017</b> , 1,	12.1	60
48	The EBLM Project. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 608, A129	5.1	42
47	Centroid vetting of transiting planet candidates from the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 295-307	4.3	42
46	Three $\beta$ Company: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets. <i>Astronomical Journal</i> , <b>2017</b> , 154, 122	4.9	72
45	Peculiar architectures for the WASP-53 and WASP-81 planet-hosting systems. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , stx154	4.3	9
44	Precise Masses in the WASP-47 System. <i>Astronomical Journal</i> , <b>2017</b> , 154, 237	4.9	46
43	K2-114b and K2-115b: Two Transiting Warm Jupiters. <i>Astronomical Journal</i> , <b>2017</b> , 154, 188	4.9	28
42	KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. <i>Astronomical Journal</i> , <b>2016</b> , 151, 138	4.9	35
41	THE ORBIT AND MASS OF THE THIRD PLANET IN THE KEPLER-56 SYSTEM. <i>Astronomical Journal</i> , <b>2016</b> , 152, 165	4.9	46
40	KELT-10b: the first transiting exoplanet from the KELT-South survey $\beta$ hot sub-Jupiter transiting a $v= 10.7$ early G-star. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 4281-4298	4.3	35
39	THE KEPLER-454 SYSTEM: A SMALL, NOT-ROCKY INNER PLANET, A JOVIAN WORLD, AND A DISTANT COMPANION. <i>Astrophysical Journal</i> , <b>2016</b> , 816, 95	4.7	48
38	KEPLER-21b: A ROCKY PLANET AROUND $AV= 8.25$ mag STAR. <i>Astronomical Journal</i> , <b>2016</b> , 152, 204	4.9	71
37	A 1.9 EARTH RADIUS ROCKY PLANET AND THE DISCOVERY OF A NON-TRANSITING PLANET IN THE KEPLER-20 SYSTEM. <i>Astronomical Journal</i> , <b>2016</b> , 152, 160	4.9	65
36	A giant comet-like cloud of hydrogen escaping the warm Neptune-mass exoplanet GJ 436b. <i>Nature</i> , <b>2015</b> , 522, 459-61	50.4	308
35	Hubble Space Telescope search for the transit of the Earth-mass exoplanet $\epsilon$ Centauri B $\beta$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 2043-2051	4.3	50
34	Fast-moving features in the debris disk around AU Microscopii. <i>Nature</i> , <b>2015</b> , 526, 230-2	50.4	78
33	HARPS-N OBSERVES THE SUN AS A STAR. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 814, L21	7.9	80
32	A rocky planet transiting a nearby low-mass star. <i>Nature</i> , <b>2015</b> , 527, 204-7	50.4	171

31	Kuiper belt structure around nearby super-Earth host stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 3121-3136	4.3	23
30	WASP-80b has a dayside within the T-dwarf range. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 2279-2290	4.3	55
29	A NEW ANALYSIS OF THE EXOPLANET HOSTING SYSTEM HD 6434. <i>Astronomical Journal</i> , <b>2015</b> , 150, 169-174	4.9	20
28	THE MASS OF Kepler-93b AND THE COMPOSITION OF TERRESTRIAL PLANETS. <i>Astrophysical Journal</i> , <b>2015</b> , 800, 135	4.7	182
27	CHARACTERIZING K2 PLANET DISCOVERIES: A SUPER-EARTH TRANSITING THE BRIGHT K DWARF HIP 116454. <i>Astrophysical Journal</i> , <b>2015</b> , 800, 59	4.7	89
26	Transiting Exoplanet Survey Satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , <b>2014</b> , 1, 014003	1.1	1371
25	ROSSITER-MCLAUGHLIN OBSERVATIONS OF 55 Cnc e. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 792, L31	7.9	30
24	THE KEPLER-10 PLANETARY SYSTEM REVISITED BY HARPS-N: A HOT ROCKY WORLD AND A SOLID NEPTUNE-MASS PLANET. <i>Astrophysical Journal</i> , <b>2014</b> , 789, 154	4.7	144
23	An Earth-sized planet with an Earth-like density. <i>Nature</i> , <b>2013</b> , 503, 377-80	50.4	170
22	The science of exoplanets and their systems. <i>Astrobiology</i> , <b>2013</b> , 13, 793-813	3.7	9
21	SPITZER OBSERVATIONS OF GJ 3470 b: A VERY LOW-DENSITY NEPTUNE-SIZE PLANET ORBITING A METAL-RICH M DWARF. <i>Astrophysical Journal</i> , <b>2013</b> , 768, 154	4.7	44
20	GRAPHIC: The Geneva Reduction and Analysis Pipeline for High-contrast Imaging of planetary Companions. <i>Proceedings of the International Astronomical Union</i> , <b>2013</b> , 8, 38-39	0.1	
19	An Earth-mass planet orbiting $\epsilon$ Centauri B. <i>Nature</i> , <b>2012</b> , 491, 207-11	50.4	307
18	HARPS-N: the new planet hunter at TNG <b>2012</b> ,		158
17	COMMISSION 30: RADIAL VELOCITIES. <i>Proceedings of the International Astronomical Union</i> , <b>2011</b> , 7, 281-289		289
16	STELLAR VARIABILITY OF THE EXOPLANET HOSTING STAR HD 63454. <i>Astrophysical Journal</i> , <b>2011</b> , 737, 58	4.7	6
15	THE MASS OF CoRoT-7b. <i>Astrophysical Journal</i> , <b>2011</b> , 743, 75	4.7	105
14	A possible dividing line between massive planets and brown-dwarf companions. <i>Proceedings of the International Astronomical Union</i> , <b>2010</b> , 6, 117-120	0.1	5

13	Volatiles and refractories in solar analogs: No terrestrial planet connection. <i>Proceedings of the International Astronomical Union</i> , <b>2010</b> , 6, 422-423	0.1	3
12	Stellar noise and planet detection. I. Oscillations, granulation and sun-like spots. <i>Proceedings of the International Astronomical Union</i> , <b>2010</b> , 6, 527-529	0.1	0
11	Enhanced lithium depletion in Sun-like stars with orbiting planets. <i>Nature</i> , <b>2009</b> , 462, 189-91	50.4	138
10	A super-Earth transiting a nearby low-mass star. <i>Nature</i> , <b>2009</b> , 462, 891-4	50.4	598
9	COMMISSION 30: RADIAL VELOCITIES. <i>Proceedings of the International Astronomical Union</i> , <b>2008</b> , 4, 316-325		
8	The Broadband Infrared Emission Spectrum of the Exoplanet HD 189733b. <i>Astrophysical Journal</i> , <b>2008</b> , 686, 1341-1348	4.7	234
7	Statistical Properties of Exoplanets. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2007</b> , 45, 397-439	31.7	383
6	An extrasolar planetary system with three Neptune-mass planets. <i>Nature</i> , <b>2006</b> , 441, 305-9	50.4	281
5	Detection of a Neptune-Mass Planet in the $\epsilon$ Cancri System Using the Hobby-Eberly Telescope. <i>Astrophysical Journal</i> , <b>2004</b> , 614, L81-L84	4.7	263
4	A search for starlight reflected from HD 75289b. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 346, L16-L20	4.3	39
3	The Spectroscopic Orbit of the Planetary Companion Transiting HD 209458. <i>Astrophysical Journal</i> , <b>2000</b> , 532, L55-L58	4.7	243
2	HARPS: a new high-resolution spectrograph for the search of extrasolar planets <b>2000</b> ,		58
1	BEBOP II: Sensitivity to sub-Saturn circumbinary planets using radial-velocities. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3