

Stphane Udry

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.

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	Transiting Exoplanet Survey Satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2014 , 1, 014003	1.1	1371
119	A super-Earth transiting a nearby low-mass star. <i>Nature</i> , 2009 , 462, 891-4	50.4	598
118	Statistical Properties of Exoplanets. <i>Annual Review of Astronomy and Astrophysics</i> , 2007 , 45, 397-439	31.7	383
117	A giant comet-like cloud of hydrogen escaping the warm Neptune-mass exoplanet GJ 436b. <i>Nature</i> , 2015 , 522, 459-61	50.4	308
116	An Earth-mass planet orbiting ϵ Centauri B. <i>Nature</i> , 2012 , 491, 207-11	50.4	307
115	An extrasolar planetary system with three Neptune-mass planets. <i>Nature</i> , 2006 , 441, 305-9	50.4	281
114	Detection of a Neptune-Mass Planet in the η Cancri System Using the Hobby-Eberly Telescope. <i>Astrophysical Journal</i> , 2004 , 614, L81-L84	4.7	263
113	The Spectroscopic Orbit of the Planetary Companion Transiting HD 209458. <i>Astrophysical Journal</i> , 2000 , 532, L55-L58	4.7	243
112	The Broadband Infrared Emission Spectrum of the Exoplanet HD 189733b. <i>Astrophysical Journal</i> , 2008 , 686, 1341-1348	4.7	234
111	A temperate rocky super-Earth transiting a nearby cool star. <i>Nature</i> , 2017 , 544, 333-336	50.4	227
110	THE MASS OF Kepler-93b AND THE COMPOSITION OF TERRESTRIAL PLANETS. <i>Astrophysical Journal</i> , 2015 , 800, 135	4.7	182
109	A rocky planet transiting a nearby low-mass star. <i>Nature</i> , 2015 , 527, 204-7	50.4	171
108	An Earth-sized planet with an Earth-like density. <i>Nature</i> , 2013 , 503, 377-80	50.4	170
107	HARPS-N: the new planet hunter at TNG 2012 ,		158
106	THE KEPLER-10 PLANETARY SYSTEM REVISITED BY HARPS-N: A HOT ROCKY WORLD AND A SOLID NEPTUNE-MASS PLANET. <i>Astrophysical Journal</i> , 2014 , 789, 154	4.7	144
105	Enhanced lithium depletion in Sun-like stars with orbiting planets. <i>Nature</i> , 2009 , 462, 189-91	50.4	138
104	The Next Generation Transit Survey (NGTS). <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 4476-4493	4.3	127

103	TESS DISCOVERY OF A TRANSITING SUPER-EARTH IN THE MENSAE SYSTEM. <i>Astrophysical Journal Letters</i> , 2018 , 868,	7.9	125
102	THE MASS OF CoRoT-7b. <i>Astrophysical Journal</i> , 2011 , 743, 75	4.7	105
101	CHARACTERIZING K2 PLANET DISCOVERIES: A SUPER-EARTH TRANSITING THE BRIGHT K DWARF HIP 116454. <i>Astrophysical Journal</i> , 2015 , 800, 59	4.7	89
100	TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844. <i>Astrophysical Journal Letters</i> , 2019 , 871, L24	7.9	83
99	Nightside condensation of iron in an ultrahot giant exoplanet. <i>Nature</i> , 2020 , 580, 597-601	50.4	83
98	HARPS-N OBSERVES THE SUN AS A STAR. <i>Astrophysical Journal Letters</i> , 2015 , 814, L21	7.9	80
97	Fast-moving features in the debris disk around AU Microscopii. <i>Nature</i> , 2015 , 526, 230-2	50.4	78
96	Threeß Company: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets. <i>Astronomical Journal</i> , 2017 , 154, 122	4.9	72
95	KEPLER-21b: A ROCKY PLANET AROUND AV= 8.25 mag STAR. <i>Astronomical Journal</i> , 2016 , 152, 204	4.9	71
94	NGTS-1b: a hot Jupiter transiting an M-dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 4467-4475	4.3	69
93	An Ultra-short Period Rocky Super-Earth with a Secondary Eclipse and a Neptune-like Companion around K2-141. <i>Astronomical Journal</i> , 2018 , 155, 107	4.9	66
92	A 1.9 EARTH RADIUS ROCKY PLANET AND THE DISCOVERY OF A NON-TRANSITING PLANET IN THE KEPLER-20 SYSTEM. <i>Astronomical Journal</i> , 2016 , 152, 160	4.9	65
91	Two massive rocky planets transiting a K-dwarf 6.5 parsecs away. <i>Nature Astronomy</i> , 2017 , 1,	12.1	60
90	HARPS: a new high-resolution spectrograph for the search of extrasolar planets 2000 ,		58
89	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , 2019 , 157, 32	4.9	58
88	WASP-80b has a dayside within the T-dwarf range. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 2279-2290	4.3	55
87	TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune. <i>Astrophysical Journal Letters</i> , 2019 , 875, L7	7.9	50
86	Hubble Space Telescope search for the transit of the Earth-mass exoplanet Æcentauri Bßb. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 2043-2051	4.3	50

85	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 254, 39	8	50
84	THE KEPLER-454 SYSTEM: A SMALL, NOT-ROCKY INNER PLANET, A JOVIAN WORLD, AND A DISTANT COMPANION. <i>Astrophysical Journal</i> , 2016 , 816, 95	4.7	48
83	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> , 2017 , 153, 224	4.9	46
82	THE ORBIT AND MASS OF THE THIRD PLANET IN THE KEPLER-56 SYSTEM. <i>Astronomical Journal</i> , 2016 , 152, 165	4.9	46
81	Precise Masses in the WASP-47 System. <i>Astronomical Journal</i> , 2017 , 154, 237	4.9	46
80	SPITZER OBSERVATIONS OF GJ 3470 b: A VERY LOW-DENSITY NEPTUNE-SIZE PLANET ORBITING A METAL-RICH M DWARF. <i>Astrophysical Journal</i> , 2013 , 768, 154	4.7	44
79	The EBLM Project. <i>Astronomy and Astrophysics</i> , 2017 , 608, A129	5.1	42
78	Centroid vetting of transiting planet candidates from the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 295-307	4.3	42
77	Three Red Suns in the Sky: A Transiting, Terrestrial Planet in a Triple M-dwarf System at 6.9 pc. <i>Astronomical Journal</i> , 2019 , 158, 152	4.9	39
76	A search for starlight reflected from HD 75289b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 346, L16-L20	4.3	39
75	A remnant planetary core in the hot-Neptune desert. <i>Nature</i> , 2020 , 583, 39-42	50.4	37
74	KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. <i>Astronomical Journal</i> , 2016 , 151, 138	4.9	35
73	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , 2020 , 160, 3	4.9	35
72	KELT-10b: the first transiting exoplanet from the KELT-South survey b hot sub-Jupiter transiting aV= 10.7 early G-star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 4281-4298	4.3	35
71	A giant impact as the likely origin of different twins in the Kepler-107 exoplanet system. <i>Nature Astronomy</i> , 2019 , 3, 416-423	12.1	34
70	NGTS-4b: A sub-Neptune transiting in the desert. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 5094-5103	4.3	30
69	ROSSITER-MCLAUGHLIN OBSERVATIONS OF 55 Cnc e. <i>Astrophysical Journal Letters</i> , 2014 , 792, L31	7.9	30
68	NGTS-7Ab: an ultrashort-period brown dwarf transiting a tidally locked and active M dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 5146-5164	4.3	29

67	TOI-1338: TESS First Transiting Circumbinary Planet. <i>Astronomical Journal</i> , 2020 , 159, 253	4.9	28
66	K2-114b and K2-115b: Two Transiting Warm Jupiters. <i>Astronomical Journal</i> , 2017 , 154, 188	4.9	28
65	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019 , 158, 177	4.9	27
64	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. <i>Astronomical Journal</i> , 2020 , 160, 53	4.9	26
63	HD 2685 b: a hot Jupiter orbiting an early F-type star detected by TESS. <i>Astronomy and Astrophysics</i> , 2019 , 625, A16	5.1	24
62	Kuiper belt structure around nearby super-Earth host stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 3121-3136	4.3	23
61	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> , 2019 , 482, 5553-5586	4.3	23
60	Hot, rocky and warm, puffy super-Earths orbiting TOI-402 (HD 15337). <i>Astronomy and Astrophysics</i> , 2019 , 627, A43	5.1	22
59	WASP-128b: a transiting brown dwarf in the dynamical-tide regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 5091-5097	4.3	22
58	A NEW ANALYSIS OF THE EXOPLANET HOSTING SYSTEM HD 6434. <i>Astronomical Journal</i> , 2015 , 150, 169	4.9	20
57	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , 2020 , 160, 22	4.9	19
56	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	4.3	18
55	The BEBOP radial-velocity survey for circumbinary planets. <i>Astronomy and Astrophysics</i> , 2019 , 624, A68	5.1	18
54	Automatic vetting of planet candidates from ground-based surveys: machine learning with NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 4225-4237	4.3	17
53	Unmasking the hidden NGTS-3Ab: a hot Jupiter in an unresolved binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 4720-4737	4.3	17
52	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	4.3	16
51	An Accurate Mass Determination for Kepler-1655b, a Moderately Irradiated World with a Significant Volatile Envelope. <i>Astronomical Journal</i> , 2018 , 155, 203	4.9	15
50	Ground-based detection of G star superflares with NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 4655-4664	4.3	15

49	An ultrahot Neptune in the Neptune desert. <i>Nature Astronomy</i> , 2020 , 4, 1148-1157	12.1	15
48	Simultaneous TESS and NGTS transit observations of WASP-166 b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 5872-5881	4.3	15
47	The EBLM Project. <i>Astronomy and Astrophysics</i> , 2019 , 625, A150	5.1	14
46	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	7.9	14
45	NGTS-2b: an inflated hot-Jupiter transiting a bright F-dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 4960-4970	4.3	13
44	Classifying exoplanet candidates with convolutional neural networks: application to the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 5232-5250	4.3	12
43	TESS Reveals a Short-period Sub-Neptune Sibling (HD 86226c) to a Known Long-period Giant Planet. <i>Astronomical Journal</i> , 2020 , 160, 96	4.9	12
42	K2-291b: A Rocky Super-Earth in a 2.2 day Orbit. <i>Astronomical Journal</i> , 2019 , 157, 116	4.9	11
41	NGTS-6b: an ultrashort period hot-Jupiter orbiting an old K dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 4125-4134	4.3	10
40	NGTS-10b: the shortest period hot Jupiter yet discovered. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 126-140	4.3	10
39	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> , 2020 , 495, 2713-2719	4.3	10
38	Shallow transit follow-up from Next-Generation Transit Survey: Simultaneous observations of HD 106315 with 11 identical telescopes. <i>Astronomische Nachrichten</i> , 2020 , 341, 273-282	0.7	9
37	The science of exoplanets and their systems. <i>Astrobiology</i> , 2013 , 13, 793-813	3.7	9
36	Peculiar architectures for the WASP-53 and WASP-81 planet-hosting systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , stx154	4.3	9
35	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	4.9	9
34	An 11 Earth-mass, Long-period Sub-Neptune Orbiting a Sun-like Star. <i>Astronomical Journal</i> , 2019 , 158, 165	4.9	8
33	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	4.9	8
32	Transits of Known Planets Orbiting a Naked-eye Star. <i>Astronomical Journal</i> , 2020 , 160, 129	4.9	8

31	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> , 2019 , 490, 1094-1110	4.3	7
30	Transit detection of the long-period volatile-rich super-Earth μ Lupi d with CHEOPS. <i>Nature Astronomy</i> , 2021 , 5, 775-787	12.1	7
29	NGTS J214358.5B80102 [NGTS discovery of the most eccentric known eclipsing M-dwarf binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 3950-3961	4.3	6
28	STELLAR VARIABILITY OF THE EXOPLANET HOSTING STAR HD 63454. <i>Astrophysical Journal</i> , 2011 , 737, 58	4.7	6
27	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> , 2019 , 490, 5103-5121	4.3	5
26	A possible dividing line between massive planets and brown-dwarf companions. <i>Proceedings of the International Astronomical Union</i> , 2010 , 6, 117-120	0.1	5
25	A Transiting Warm Giant Planet around the Young Active Star TOI-201. <i>Astronomical Journal</i> , 2021 , 161, 235	4.9	5
24	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. <i>Astronomical Journal</i> , 2021 , 162, 79	4.9	5
23	HATS-47b, HATS-48Ab, HATS-49b, and HATS-72b: Four Warm Giant Planets Transiting K Dwarfs. <i>Astronomical Journal</i> , 2020 , 159, 173	4.9	4
22	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. <i>Science</i> , 2021 , 374, 1271-1275	33.3	4
21	NGTS-12b: A sub-Saturn mass transiting exoplanet in a 7.53 day orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 3139-3148	4.3	4
20	Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities. <i>Astronomical Journal</i> , 2021 , 161, 287	4.9	4
19	The EBLM project VII. Spin-orbit alignment for the circumbinary planet host EBLM J0608-59 A/TOI-1338 A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 497, 1627-1633	4.3	3
18	Volatiles and refractories in solar analogs: No terrestrial planet connection. <i>Proceedings of the International Astronomical Union</i> , 2010 , 6, 422-423	0.1	3
17	BEBOP II: Sensitivity to sub-Saturn circumbinary planets using radial-velocities. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3
16	Two Transiting Hot Jupiters from the WASP Survey: WASP-150b and WASP-176b. <i>Astronomical Journal</i> , 2020 , 159, 255	4.9	3
15	An eclipsing M-dwarf close to the hydrogen burning limit from NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 3115-3124	4.3	3
14	NGTS-13b: a hot 4.8 Jupiter-mass planet transiting a subgiant star. <i>Astronomy and Astrophysics</i> , 2021 , 647, A180	5.1	3

13	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	4.3	3
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	4.9	3
11	High-Precision Spectrographs for Exoplanet Research: CORAVEL, ELODIE, CORALIE, SOPHIE and HARPS 2018 , 1-28		2
10	NGTS 15b, 16b, 17b, and 18b: four hot Jupiters from the Next-Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 6018-6032	4.3	2
9	NGTS-19b: a high-mass transiting brown dwarf in a 17-d eccentric orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 2741-2752	4.3	2
8	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	2
7	A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds. <i>Astronomical Journal</i> , 2022 , 163, 168	4.9	2
6	Resolving period aliases for TESS monotransits recovered during the extended mission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 5088-5097	4.3	1
5	Stellar noise and planet detection. I. Oscillations, granulation and sun-like spots. <i>Proceedings of the International Astronomical Union</i> , 2010 , 6, 527-529	0.1	0
4	Transit timings variations in the three-planet system: TOI-270. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 510, 5464-5485	4.3	0
3	GRAPHIC: The Geneva Reduction and Analysis Pipeline for High-contrast Imaging of planetary Companions. <i>Proceedings of the International Astronomical Union</i> , 2013 , 8, 38-39	0.1	
2	COMMISSION 30: RADIAL VELOCITIES. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 281-289		
1	COMMISSION 30: RADIAL VELOCITIES. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 316-325		