StÃ©phane Udry

List of Publications by Year
in descending order

127 papers	11,083 citations	61945 43 h-index	32815 100 g-index
130 all docs	130 docs citations	130 times ranked	5318 citing authors

#	Article	IF	Citations
1	BEBOP III. Observations and an independent mass measurement of Kepler-16Â(AB)Âb â€“ the first circumbinary planet detected with radial velocities. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3561-3570.	1.6	16
2	A pair of sub-Neptunes transiting the bright K-dwarf TOI-1064 characterized with CHEOPS. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1043-1071.	1.6	30
3	BEBOP II: sensitivity to sub-Saturn circumbinary planets using radial-velocities. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3571-3583.	1.6	17
4	A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds. Astronomical Journal, 2022, 163, 168.	1.9	23
5	TIC-320687387 B: a long-period eclipsing M-dwarf close to the hydrogen burning limit. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1785-1793.	1.6	4
6	Transit timings variations in the three-planet system: TOI-270. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5464-5485.	1.6	6
7	Identifying Exoplanets with Deep Learning. IV. Removing Stellar Activity Signals from Radial Velocity Measurements Using Neural Networks. Astronomical Journal, 2022, 164, 49.	1.9	20
8	NGTS 15b, 16b, 17b, and 18b: four hot Jupiters from the Next-Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2021, 504, 6018-6032.	1.6	5
9	NGTS-13b: a hot 4.8 Jupiter-mass planet transiting a subgiant star. Astronomy and Astrophysics, 2021, 647, A180.	2.1	3
10	A Transiting Warm Giant Planet around the Young Active Star TOI-201. Astronomical Journal, 2021, 161, 235.	1.9	20
11	NGTS-19b: a high-mass transiting brown dwarf in a 17-d eccentric orbit. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2741-2752.	1.6	12
12	Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities. Astronomical Journal, 2021, 161, 287.	1.9	17
13	Transit detection of the long-period volatile-rich super-Earth Î½2 Lupi d with CHEOPS. Nature Astronomy, 2021, 5, 775-787.	4.2	51
14	The TESS Objects of Interest Catalog from the TESS Prime Mission. Astrophysical Journal, Supplement Series, 2021, 254, 39.	3.0	190
15	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. Astronomical Journal, 2021, 162, 79.	1.9	25
16	TOI-431/HIP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2782-2803.	1.6	19
17	Populating the brown dwarf and stellar boundary: Five stars with transiting companions near the hydrogen-burning mass limit. Astronomy and Astrophysics, 2021, 652, A127.	2.1	18
18	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. Astronomical Journal, 2021, 161, 82.	1.9	8

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19	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. Science, 2021, 374, 1271-1275.	6.0	30
20	TOI-222: a single-transit TESS candidate revealed to be a 34-d eclipsing binary with CORALIE, EulerCam, and NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1761-1769.	1.6	30
21	HD 213885b: a transiting 1-d-period super-Earth with an Earth-like composition around a bright (VÂ= 7.9) star unveiled by TESS. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2982-2999.	1.6	38
22	NGTS-12b: A sub-Saturn mass transiting exoplanet in a 7.53â€‰day orbit. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3139-3148.	1.6	6
23	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. Astronomical Journal, 2020, 160, 53.	1.9	39
24	An eclipsing M-dwarf close to the hydrogen burning limit from NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3115-3124.	1.6	10
25	A long-period (P = 61.8 d) M5V dwarf eclipsing a Sun-like star from TESS and NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2713-2719.	1.6	14
26	An ultrahot Neptune in the Neptune desert. Nature Astronomy, 2020, 4, 1148-1157.	4.2	43
27	Simultaneous TESS and NGTS transit observations of WASP-166â€‰b. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5872-5881.	1.6	30
28	The EBLM project â€“ VII. Spinâ€“orbit alignment for the circumbinary planet host EBLM J0608-59â€‰A/TOI-1338â€‰A. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1627-1633.	1.6	10
29	NGTS J214358.5â^'380102 â€“ NGTS discovery of the most eccentric known eclipsing M-dwarf binary system. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3950-3961.	1.6	6
30	TOI-1338: TESSâ€™ First Transiting Circumbinary Planet. Astronomical Journal, 2020, 159, 253.	1.9	58
31	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. Astronomical Journal, 2020, 160, 22.	1.9	33
32	Shallow transit followâ€up from N<scp>extâ€Generation Transit Survey</scp>: Simultaneous observations of <scp>HD 106315</scp> with 11 identical telescopes. Astronomische Nachrichten, 2020, 341, 273-282.	0.6	17
33	A remnant planetary core in the hot-Neptune desert. Nature, 2020, 583, 39-42.	13.7	73
34	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. Astronomical Journal, 2020, 160, 3.	1.9	62
35	NGTS-10b: the shortest period hot Jupiter yet discovered. Monthly Notices of the Royal Astronomical Society, 2020, 493, 126-140.	1.6	18
36	HATS-47b, HATS-48Ab, HATS-49b, and HATS-72b: Four Warm Giant Planets Transiting K Dwarfs*. Astronomical Journal, 2020, 159, 173.	1.9	8

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37	Nightside condensation of iron in an ultrahot giant exoplanet. Nature, 2020, 580, 597-601.	13.7	178
38	Two Transiting Hot Jupiters from the WASP Survey: WASP-150b and WASP-176b. Astronomical Journal, 2020, 159, 255.	1.9	4
39	TESS Reveals a Short-period Sub-Neptune Sibling (HD 86226c) to a Known Long-period Giant Planet*. Astronomical Journal, 2020, 160, 96.	1.9	25
40	TOI 694b and TIC 220568520b: Two Low-mass Companions near the Hydrogen-burning Mass Limit Orbiting Sun-like Stars. Astronomical Journal, 2020, 160, 133.	1.9	12
41	Transits of Known Planets Orbiting a Naked-eye Star. Astronomical Journal, 2020, 160, 129.	1.9	22
42	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. Astronomical Journal, 2020, 160, 235.	1.9	23
43	NGTS-11 b (TOI-1847 b): A Transiting Warm Saturn Recovered from a TESS Single-transit Event. Astrophysical Journal Letters, 2020, 898, L11.	3.0	30
44	Resolving period aliases for TESS monotransits recovered during the extended mission. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5088-5097.	1.6	9
45	Classifying exoplanet candidates with convolutional neural networks: application to the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5232-5250.	1.6	20
46	NGTS-7Ab: an ultrashort-period brown dwarf transiting a tidally locked and active M dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5146-5164.	1.6	35
47	Three Red Suns in the Sky: A Transiting, Terrestrial Planet in a Triple M-dwarf System at 6.9 pc. Astronomical Journal, 2019, 158, 152.	1.9	59
48	An 11 Earth-mass, Long-period Sub-Neptune Orbiting a Sun-like Star. Astronomical Journal, 2019, 158, 165.	1.9	14
49	Using HARPS-N to characterize the long-period planets in the PH-2 and Kepler-103 systems. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5103-5121.	1.6	10
50	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.	1.6	16
51	NGTS-6b: an ultrashort period hot-Jupiter orbiting an old K dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4125-4134.	1.6	14
52	The EBLM Project. Astronomy and Astrophysics, 2019, 625, A150.	2.1	21
53	TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844. Astrophysical Journal Letters, 2019, 871, L24.	3.0	108
54	NGTS-4b: A sub-Neptune transiting in the desert. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5094-5103.	1.6	47

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55	K2-291b: A Rocky Super-Earth in a 2.2 day Orbit[*] â€. Astronomical Journal, 2019, 157, 116.	1.9	13
56	TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune*. Astrophysical Journal Letters, 2019, 875, L7.	3.0	69
57	Near-resonance in a System of Sub-Neptunes from TESS. Astronomical Journal, 2019, 158, 177.	1.9	34
58	Hot, rocky and warm, puffy super-Earths orbiting TOI-402 (HD 15337). Astronomy and Astrophysics, 2019, 627, A43.	2.1	30
59	The BEBOP radial-velocity survey for circumbinary planets. Astronomy and Astrophysics, 2019, 624, A68.	2.1	36
60	HD 2685 b: a hot Jupiter orbiting an early F-type star detected by TESS. Astronomy and Astrophysics, 2019, 625, A16.	2.1	33
61	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. Astronomical Journal, 2019, 157, 32.	1.9	83
62	Detection of a giant flare displaying quasi-periodic pulsations from a pre-main-sequence M star by the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5553-5566.	1.6	33
63	A giant impact as the likely origin of different twins in the Kepler-107 exoplanet system. Nature Astronomy, 2019, 3, 416-423.	4.2	64
64	NGTS-1b: a hot Jupiter transiting an M-dwarf. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4467-4475.	1.6	91
65	The Next Generation Transit Survey (NGTS). Monthly Notices of the Royal Astronomical Society, 2018, 475, 4476-4493.	1.6	189
66	An Ultra-short Period Rocky Super-Earth with a Secondary Eclipse and a Neptune-like Companion around K2-141. Astronomical Journal, 2018, 155, 107.	1.9	103
67	High-Precision Spectrographs for Exoplanet Research: CORAVEL, ELODIE, CORALIE, SOPHIE and HARPS. , 2018, , 1-28.		2
68	TESS Discovery of a Transiting Super-Earth in the pi Mensae System. Astrophysical Journal Letters, 2018, 868, L39.	3.0	148
69	Automatic vetting of planet candidates from ground-based surveys: machine learning with NGTS. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4225-4237.	1.6	23
70	NGTS-2b: an inflated hot-Jupiter transiting a bright F-dwarf. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4960-4970.	1.6	16
71	WASP-128b: a transiting brown dwarf in the dynamical-tide regime. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5091-5097.	1.6	26
72	Unmasking the hidden NGTS-3Ab: a hot Jupiter in an unresolved binary system. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4720-4737.	1.6	18

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73	An Accurate Mass Determination for Kepler-1655b, a Moderately Irradiated World with a Significant Volatile Envelope. Astronomical Journal, 2018, 155, 203.	1.9	19
74	Ground-based detection of G star superflares with NGTS. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4655-4664.	1.6	22
75	A temperate rocky super-Earth transiting a nearby cool star. Nature, 2017, 544, 333-336.	13.7	275
76	The Kepler-19 System: A Thick-envelope Super-Earth with Two Neptune-mass Companions Characterized Using Radial Velocities and Transit Timing Variations. Astronomical Journal, 2017, 153, 224.	1.9	58
77	Two massive rocky planets transiting a K-dwarf 6.5â€‰parsecs away. Nature Astronomy, 2017, 1, .	4.2	84
78	Centroid vetting of transiting planet candidates from the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2017, 472, 295-307.	1.6	46
79	Threeâ€™s Company: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets. Astronomical Journal, 2017, 154, 122.	1.9	90
80	Precise Masses in the WASP-47 System. Astronomical Journal, 2017, 154, 237.	1.9	66
81	K2-114b and K2-115b: Two Transiting Warm Jupiters. Astronomical Journal, 2017, 154, 188.	1.9	36
82	The EBLM Project. Astronomy and Astrophysics, 2017, 608, A129.	2.1	56
83	KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. Astronomical Journal, 2016, 151, 138.	1.9	42
84	KEPLER-21b: A ROCKY PLANET AROUND A VÂ=Â8.25 mag STAR*. Astronomical Journal, 2016, 152, 204.	1.9	80
85	A 1.9 EARTH RADIUS ROCKY PLANET AND THE DISCOVERY OF A NON-TRANSITING PLANET IN THE KEPLER-20 SYSTEM*. Astronomical Journal, 2016, 152, 160.	1.9	85
86	THE ORBIT AND MASS OF THE THIRD PLANET IN THE KEPLER-56 SYSTEM. Astronomical Journal, 2016, 152, 165.	1.9	58
87	KELT-10b: the first transiting exoplanet from the KELT-South survey â€“ a hot sub-Jupiter transiting aV= 10.7 early G-star. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4281-4298.	1.6	38
88	THE KEPLER-454 SYSTEM: A SMALL, NOT-ROCKY INNER PLANET, A JOVIAN WORLD, AND A DISTANT COMPANION. Astrophysical Journal, 2016, 816, 95.	1.6	55
89	Kuiper belt structure around nearby super-Earth host stars. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3121-3136.	1.6	28
90	WASP-80b has a dayside within the T-dwarf range. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2279-2290.	1.6	79

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91	A NEW ANALYSIS OF THE EXOPLANET HOSTING SYSTEM HD 6434. Astronomical Journal, 2015, 150, 169.	1.9	24
92	THE MASS OF Kepler-93b AND THE COMPOSITION OF TERRESTRIAL PLANETS. Astrophysical Journal, 2015, 800, 135.	1.6	211
93	CHARACTERIZING K2 PLANET DISCOVERIES: A SUPER-EARTH TRANSITING THE BRIGHT K DWARF HIP 116454. Astrophysical Journal, 2015, 800, 59.	1.6	104
94	A giant comet-like cloud of hydrogen escaping the warm Neptune-mass exoplanet GJ 436b. Nature, 2015, 522, 459-461.	13.7	383
95	Hubble Space Telescope search for the transit of the Earth-mass exoplanet Î± Centauri BÂb. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2043-2051.	1.6	60
96	Fast-moving features in the debris disk around AU Microscopii. Nature, 2015, 526, 230-232.	13.7	95
97	HARPS-N OBSERVES THE SUN AS A STAR. Astrophysical Journal Letters, 2015, 814, L21.	3.0	112
98	A rocky planet transiting a nearby low-mass star. Nature, 2015, 527, 204-207.	13.7	204
99	Transiting Exoplanet Survey Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2014, 1, 014003.	1.0	2,300
100	ROSSITER-MCLAUGHLIN OBSERVATIONS OF 55 Cnc e. Astrophysical Journal Letters, 2014, 792, L31.	3.0	33
101	THE KEPLER-10 PLANETARY SYSTEM REVISITED BY HARPS-N: A HOT ROCKY WORLD AND A SOLID NEPTUNE-MASS PLANET. Astrophysical Journal, 2014, 789, 154.	1.6	164
102	An Earth-sized planet with an Earth-like density. Nature, 2013, 503, 377-380.	13.7	199
103	The Science of Exoplanets and Their Systems. Astrobiology, 2013, 13, 793-813.	1.5	10
104	SPITZEROBSERVATIONS OF GJ 3470 b: A VERY LOW-DENSITY NEPTUNE-SIZE PLANET ORBITING A METAL-RICH M DWARF. Astrophysical Journal, 2013, 768, 154.	1.6	49
105	GRAPHIC: The Geneva Reduction and Analysis Pipeline for High-contrast Imaging of planetary Companions. Proceedings of the International Astronomical Union, 2013, 8, 38-39.	0.0	0
106	DIVISION IX: COMMISSION 30: RADIAL VELOCITIES. Proceedings of the International Astronomical Union, 2013, 10, 132-133.	0.0	0
107	An Earth-mass planet orbiting Î± Centauri B. Nature, 2012, 491, 207-211.	13.7	361
108	Harps-N: the new planet hunter at TNG. Proceedings of SPIE, 2012, , .	0.8	219

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109	COMMISSION 30: RADIAL VELOCITIES. Proceedings of the International Astronomical Union, 2011, 7, 281-289.	0.0	0
110	STELLAR VARIABILITY OF THE EXOPLANET HOSTING STAR HD 63454. Astrophysical Journal, 2011, 737, 58.	1.6	8
111	THE MASS OF CoRoT-7b. Astrophysical Journal, 2011, 743, 75.	1.6	127
112	A possible dividing line between massive planets and brown-dwarf companions. Proceedings of the International Astronomical Union, 2010, 6, 117-120.	0.0	7
113	Volatiles and refratories in solar analogs: No terrestial planet connection. Proceedings of the International Astronomical Union, 2010, 6, 422-423.	0.0	3
114	Stellar noise and planet detection. I. Oscillations, granulation and sun-like spots. Proceedings of the International Astronomical Union, 2010, 6, 527-529.	0.0	1
115	Enhanced lithium depletion in Sun-like stars with orbiting planets. Nature, 2009, 462, 189-191.	13.7	164
116	A super-Earth transiting a nearby low-mass star. Nature, 2009, 462, 891-894.	13.7	672
117	COMMISSION 30: RADIAL VELOCITIES. Proceedings of the International Astronomical Union, 2008, 4, 316-325.	0.0	0
118	The Broadband Infrared Emission Spectrum of the Exoplanet HD 189733b. Astrophysical Journal, 2008, 686, 1341-1348.	1.6	253
119	DIVISION IX: OPTICAL AND INFRARED TECHNIQUES. Proceedings of the International Astronomical Union, 2007, 3, 185-187.	0.0	0
120	Statistical Properties of Exoplanets. Annual Review of Astronomy and Astrophysics, 2007, 45, 397-439.	8.1	423
121	An extrasolar planetary system with three Neptune-mass planets. Nature, 2006, 441, 305-309.	13.7	317
122	Detection of a Neptune-Mass Planet in the Ï•1 Cancri System Using the Hobby-Eberly Telescope. Astrophysical Journal, 2004, 614, L81-L84.	1.6	299
123	A search for starlight reflected from HD 75289b. Monthly Notices of the Royal Astronomical Society, 2003, 346, L16-L20.	1.6	40
124	The Spectroscopic Orbit of the Planetary Companion Transiting HD 209458. Astrophysical Journal, 2000, 532, L55-L58.	1.6	257
125	HARPS: a new high-resolution spectrograph for the search of extrasolar planets. , 2000, , .		83
126	Peculiar architectures for the WASP-53 and WASP-81 planet-hosting systems. Monthly Notices of the Royal Astronomical Society, 0, , stx154.	1.6	16

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127	Scintillation-limited photometry with the 20-cm NGTS telescopes at Paranal Observatory. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	1