## Alexandre Santerne

List of Publications by Year in descending order

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66343 74163 6,992 148 42 75 citations h-index g-index papers 148 148 148 3667 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	The PLATO 2.0 mission. Experimental Astronomy, 2014, 38, 249-330.	3.7	912
2	MASSES, RADII, AND ORBITS OF SMALL <i>KEPLER</i> PLANETS: THE TRANSITION FROM GASEOUS TO ROCKY PLANETS. Astrophysical Journal, Supplement Series, 2014, 210, 20.	7.7	418
3	Planets and stellar activity: hide and seek in the CoRoT-7 systemã~ Monthly Notices of the Royal Astronomical Society, 2014, 443, 2517-2531.	4.4	367
4	A chemical survey of exoplanets with ARIEL. Experimental Astronomy, 2018, 46, 135-209.	3.7	249
5	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2016, 587, A64.	5.1	208
6	pastis: Bayesian extrasolar planet validation $\hat{a} \in 1$ . General framework, models, and performance. Monthly Notices of the Royal Astronomical Society, 2014, 441, 983-1004.	4.4	157
7	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2012, 545, A76.	5.1	134
8	WASP-121Âb: a hot Jupiter close to tidal disruption transiting an active F star. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4025-4043.	4.4	132
9	Transit timing variations in WASP-10b induced by stellar activity. Monthly Notices of the Royal Astronomical Society, 2013, 430, 3032-3047.	4.4	98
10	WASP-52b, WASP-58b, WASP-59b, and WASP-60b: Four new transiting close-in giant planets. Astronomy and Astrophysics, 2013, 549, A134.	5.1	98
11	SOPHIE+: First results of an octagonal-section fiber for high-precision radial velocity measurements. Astronomy and Astrophysics, 2013, 549, A49.	5.1	97
12	pastis: Bayesian extrasolar planet validation $\hat{a}\in$ II. Constraining exoplanet blend scenarios using spectroscopic diagnoses. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2337-2351.	4.4	92
13	Transiting exoplanets from the <i>CoRoT</i> space mission. Astronomy and Astrophysics, 2011, 525, A68.	5.1	83
14	The HARPS search for southern extra-solar planets. Astronomy and Astrophysics, 2014, 566, A35.	5.1	83
15	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2010, 523, A88.	5.1	82
16	Observation of the full 12-hour-long transit of the exoplanet HD 80606b. Astronomy and Astrophysics, 2010, 516, A95.	5.1	82
17	An Earth-sized exoplanet with a Mercury-like composition. Nature Astronomy, 2018, 2, 393-400.	10.1	75
18	WASP-39b: a highly inflated Saturn-mass planet orbiting a late G-type star. Astronomy and Astrophysics, 2011, 531, A40.	5.1	73

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19	HAT-P-65b AND HAT-P-66b: TWO TRANSITING INFLATED HOT JUPITERS AND OBSERVATIONAL EVIDENCE FOR THE REINFLATION OF CLOSE-IN GIANT PLANETS*. Astronomical Journal, 2016, 152, 182.	4.7	73
20	A remnant planetary core in the hot-Neptune desert. Nature, 2020, 583, 39-42.	27.8	73
21	The retrograde orbit of the HAT-P-6b exoplanet. Astronomy and Astrophysics, 2011, 527, L11.	5.1	70
22	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2011, 533, A83.	5.1	67
23	WASP-35b, WASP-48b, AND HAT-P-30b/WASP-51b: TWO NEW PLANETS AND AN INDEPENDENT DISCOVERY OF A HAT PLANET. Astronomical Journal, 2011, 142, 86.	4.7	67
24	Constraining planet structure from stellar chemistry: the cases of CoRoT-7, Kepler-10, and Kepler-93. Astronomy and Astrophysics, 2015, 580, L13.	5.1	67
25	Photodynamical mass determination of the multiplanetary system K2-19. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4267-4276.	4.4	64
26	SWEET-Cat updated. Astronomy and Astrophysics, 2018, 620, A58.	5.1	64
27	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2010, 520, A65.	5.1	62
28	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2014, 571, A37.	5.1	60
29	Transit shapes and self-organizing maps as a tool for ranking planetary candidates: application to <i>Kepler</i> and <i>K2</i> . Monthly Notices of the Royal Astronomical Society, 2017, 465, 2634-2642.	4.4	59
30	TOI-1338: TESS' First Transiting Circumbinary Planet. Astronomical Journal, 2020, 159, 253.	4.7	58
31	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2010, 520, A66.	5.1	55
32	Spin-orbit inclinations of the exoplanetary systems HAT-P-8b, HAT-P-9b, HAT-P-16b, and HAT-P-23b. Astronomy and Astrophysics, 2011, 533, A113.	5.1	54
33	Revisiting the transits of CoRoT-7b at a lower activity level. Astronomy and Astrophysics, 2014, 569, A74.	5.1	53
34	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2015, 584, A13.	5.1	51
35	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2012, 538, A145.	5.1	50
36	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2015, 581, A38.	5.1	50

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37	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2013, 551, L9.	5.1	48
38	Instrumental methods for professional and amateur collaborations in planetary astronomy. Experimental Astronomy, 2014, 38, 91-191.	3.7	47
39	WASP-37b: A 1.8 <i>M</i> <sub>J</sub> EXOPLANET TRANSITING A METAL-POOR STAR. Astronomical Journal, 2011, 141, 8.	4.7	46
40	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2012, 538, A113.	5.1	46
41	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2012, 545, A55.	5.1	44
42	K2-29 b/WASP-152 b: AN ALIGNED AND INFLATED HOT JUPITER IN A YOUNG VISUAL BINARY. Astrophysical Journal, 2016, 824, 55.	4.5	44
43	WASP-38b: a transiting exoplanet in an eccentric, 6.87d period orbit. Astronomy and Astrophysics, 2011, 525, A54.	5.1	43
44	The contribution of secondary eclipses as astrophysical false positives to exoplanet transit surveys. Astronomy and Astrophysics, 2013, 557, A139.	5.1	43
45	Transiting exoplanets from the CoRoT spaceÂmission. Astronomy and Astrophysics, 2011, 533, A130.	5.1	42
46	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2012, 538, A96.	5.1	42
47	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2010, 522, A110.	5.1	41
48	WASP-40b: Independent Discovery of the $0.6 \hat{A} < i > M < /i > < sub > Jup < /sub > Transiting Exoplanet HAT-P-27b. Publications of the Astronomical Society of the Pacific, 2011, 123, 555-560.$	3.1	41
49	A window on exoplanet dynamical histories: Rossiter–McLaughlin observations of WASP-13b and WASP-32b. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3392-3401.	4.4	41
50	Improved parameters of seven <i>Kepler</i> giant companions characterized with SOPHIE and HARPS-N. Astronomy and Astrophysics, 2015, 575, A85.	5.1	41
51	Detection and characterisation of 54 massive companions with the SOPHIE spectrograph. Astronomy and Astrophysics, 2019, 631, A125.	5.1	40
52	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2011, 536, A70.	5.1	39
53	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2016, 588, A144.	5.1	39
54	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2014, 572, A109.	5.1	37

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55	One of the closest exoplanet pairs to the 3:2 mean motion resonance: K2-19b and c. Astronomy and Astrophysics, 2015, 582, A33.	5.1	37
56	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2013, 558, L6.	5.1	36
57	CoRoT-22 b: a validated 4.9 R⊕ exoplanet in 10-d orbitâ⁻â€. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2783-2792.	4.4	36
58	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2015, 579, A55.	5.1	36
59	Planetary transit candidates in CoRoT-LRcO1 field. Astronomy and Astrophysics, 2009, 506, 501-517.	5.1	34
60	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2011, 531, A41.	5.1	33
61	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2012, 544, L12.	5.1	33
62	EPIC 201702477b: A TRANSITING BROWN DWARF FROM K2 IN A 41 DAY ORBIT. Astronomical Journal, 2017, 153, 15.	4.7	33
63	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2010, 520, A97.	5.1	33
64	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2015, 575, A71.	5.1	32
65	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2011, 528, A63.	5.1	31
66	KOI-200 b and KOI-889 b: Two transiting exoplanets detected and characterized with ⟨i⟩Kepler⟨ i⟩, SOPHIE, and HARPS-N. Astronomy and Astrophysics, 2013, 554, A114.	5.1	31
67	INDEPENDENT DISCOVERY OF THE TRANSITING EXOPLANET HAT-P-14b. Astronomical Journal, 2011, 141, 161.	4.7	29
68	A HARPS view on K2-3. Astronomy and Astrophysics, 2015, 581, L7.	5.1	29
69	Planets, candidates, and binaries from the CoRoT/Exoplanet programme. Astronomy and Astrophysics, 2018, 619, A97.	5.1	29
70	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2019, 625, A17.	5.1	29
71	Extrasolar planets and brown dwarfs around AF-type stars. Astronomy and Astrophysics, 2019, 621, A87.	5.1	29
72	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2020, 636, L6.	5.1	29

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73	Mass determinations of the three mini-Neptunes transiting TOI-125. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5399-5412.	4.4	28
74	Planetary transit candidates in the CoRoT LRaO1 field. Astronomy and Astrophysics, 2012, 538, A112.	5.1	27
75	Exoplanet characterisation in the longest known resonant chain: the K2-138 system seen by HARPS. Astronomy and Astrophysics, 2019, 631, A90.	5.1	27
76	SOPHIE velocimetry of <i>Kepler</i> transit candidates XI. Kepler-412 system: probing the properties of a new inflated hot Jupiter. Astronomy and Astrophysics, 2014, 564, A56.	5.1	26
77	Higher-precision radial velocity measurements with the SOPHIE spectrograph using octagonal-section fibers. Proceedings of SPIE, 2011, , .	0.8	25
78	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2012, 537, A136.	5.1	25
79	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2014, 561, L1.	5.1	25
80	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2016, 588, A145.	5.1	25
81	ARES IV: Probing the Atmospheres of the Two Warm Small Planets HD 106315c and HD 3167c with the HST/WFC3 Camera*. Astronomical Journal, 2021, 161, 19.	4.7	25
82	K2-110 b: a massive mini-Neptune exoplanet. Astronomy and Astrophysics, 2017, 604, A19.	5.1	24
83	Disproving the validated planets K2-78b, K2-82b, and K2-92b. Astronomy and Astrophysics, 2017, 606, A75.	5.1	24
84	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2014, 562, A140.	5.1	23
85	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2015, 573, A124.	5.1	23
86	Precise masses for the transiting planetary system HD 106315 with HARPS. Astronomy and Astrophysics, 2017, 608, A25.	5.1	23
87	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2011, 525, A85.	5.1	22
88	Planetary transit candidates in the CoRoT-SRc01 field. Astronomy and Astrophysics, 2012, 539, A14.	5.1	22
89	Extrasolar planets and brown dwarfs around A-F type stars. Astronomy and Astrophysics, 2014, 561, A65.	5.1	22
90	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2016, 585, A46.	5.1	22

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91	Detection of Neptune-size planetary candidates with CoRoT data. Astronomy and Astrophysics, 2012, 547, A110.	5.1	21
92	CoRoT 101186644: A transiting low-mass dense M-dwarf on an eccentric 20.7-day period orbit around a late F-star. Astronomy and Astrophysics, 2013, 553, A30.	5.1	21
93	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2012, 545, A6.	5.1	20
94	WASP-71b: a bloated hot Jupiter in a 2.9-day, prograde orbit around an evolved F8 star. Astronomy and Astrophysics, 2013, 552, A120.	5.1	20
95	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2018, 618, A103.	5.1	20
96	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2014, 563, A22.	5.1	19
97	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2016, 591, A146.	5.1	19
98	TOI-132 b: A short-period planet in the Neptune desert transiting a <i>V</i> Â= 11.3ÂG-type starâ~ Monthly Notices of the Royal Astronomical Society, 2020, 493, 973-985.	4.4	19
99	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.	4.4	19
100	WASP-54b, WASP-56b, and WASP-57b: Three new sub-Jupiter mass planets from SuperWASP. Astronomy and Astrophysics, 2013, 551, A73.	5.1	18
101	SOPHIE velocimetry of <i>Kepler</i> transit candidates. Astronomy and Astrophysics, 2018, 615, A90.	5.1	18
102	Characterization of the four new transiting planets KOI-188b, KOI-195b, KOI-192b, and KOI-830b. Astronomy and Astrophysics, 2014, 572, A93.	5.1	18
103	Masses for the seven planets in K2-32 and K2-233. Astronomy and Astrophysics, 2020, 640, A48.	5.1	18
104	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2014, 567, A112.	5.1	17
105	K2-265 b: a transiting rocky super-Earth. Astronomy and Astrophysics, 2018, 620, A77.	5.1	17
106	Can planetary rings explain the extremely low density of HIP 41378 ??. Astronomy and Astrophysics, 2020, 635, L8.	5.1	17
107	BEBOP II: sensitivity to sub-Saturn circumbinary planets using radial-velocities. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3571-3583.	4.4	17
108	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2015, 579, A36.	5.1	16

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109	BEBOP III. Observations and an independent mass measurement of Kepler- $16\hat{A}(AB)\hat{A}b$ $\hat{a}\in$ " the first circumbinary planet detected with radial velocities. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3561-3570.	4.4	16
110	The First Near-infrared Transmission Spectrum of HIP 41378 f, A Low-mass Temperate Jovian World in a Multiplanet System. Astrophysical Journal Letters, 2022, 927, L5.	8.3	16
111	Transiting exoplanets from the CoRoT  space mission. Astronomy and Astrophysics, 2012, 537, A54.	5.1	15
112	Transiting exoplanets from the CoRoT space mission Resolving the nature of transit candidates for the LRaO3 and SRaO3 fields. Astrophysics and Space Science, 2012, 337, 511-529.	1.4	15
113	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2013, 555, A118.	5.1	15
114	Disentangling planetary and stellar activity features in the CoRoT-2 light curve. Astronomy and Astrophysics, 2016, 595, A89.	5.1	15
115	A transit timing variation observed for the long-period extremely low-density exoplanet HIP 41378 f. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 504, L45-L50.	3.3	15
116	The EBLM project – VIII. First results for M-dwarf mass, radius, and effective temperature measurements using <i>CHEOPS</i> light curves. Monthly Notices of the Royal Astronomical Society, 2021, 506, 306-322.	4.4	15
117	The metallicity–period–mass diagram of low-mass exoplanets. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3981-3990.	4.4	14
118	Discovery and characterization of the exoplanets WASP-148b and c. Astronomy and Astrophysics, 2020, 640, A32.	5.1	14
119	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2012, 541, A149.	5.1	13
120	Is the activity level of HD 80606 influenced by its eccentric planet?. Astronomy and Astrophysics, 2016, 592, A143.	5.1	13
121	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2017, 601, A9.	5.1	12
122	The first radial velocity measurements of a microlensing event: no evidence for the predicted binary. Astronomy and Astrophysics, 2015, 582, L11.	5.1	11
123	K2-30 b and K2-34 b: Two inflated hot Jupiters around solar-type stars. Astronomy and Astrophysics, 2016, 594, A50.	5.1	11
124	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2019, 625, A18.	5.1	11
125	An extreme planetary system around HD 219828. Astronomy and Astrophysics, 2016, 592, A13.	5.1	11
126	Polar stellar-spots and grazing planetary transits. Astronomy and Astrophysics, 2015, 583, L1.	5.1	10

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127	Radial velocity follow-up of CoRoTtransiting exoplanets. EPJ Web of Conferences, 2011, 11, 02001.	0.3	9
128	A deeper view of the CoRoT-9 planetary system. Astronomy and Astrophysics, 2017, 603, A43.	5.1	9
129	Brown dwarf companion with a period of 4.6 yr interacting with the hot Jupiter CoRoT-20 b. Astronomy and Astrophysics, 2018, 619, A115.	5.1	9
130	TOI-1259Ab – a gas giant planet with 2.7 per cent deep transits and a bound white dwarf companion. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4132-4148.	4.4	9
131	Spectroscopic characterisation of microlensing events. Astronomy and Astrophysics, 2016, 595, L11.	5.1	8
132	Water content trends in K2-138 and other low-mass multi-planetary systems. Astronomy and Astrophysics, 2022, 660, A102.	5.1	7
133	CoRoT LRa02_E2_0121: Neptune-size planet candidate turns into a hierarchical triple system with a giant primary. Astronomy and Astrophysics, 2011, 534, A67.	5.1	6
134	TOI-220 <i>b</i> : a warm sub-Neptune discovered by <i>TESS</i> . Monthly Notices of the Royal Astronomical Society, 2021, 505, 3361-3379.	4.4	6
135	SOPHIE velocimetry of <i>Kepler </i> transit candidates. Astronomy and Astrophysics, 2019, 623, A104.	5.1	5
136	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2020, 635, A122.	5.1	5
137	HAT-P-58b–HAT-P-64b: Seven Planets Transiting Bright Stars*. Astronomical Journal, 2021, 162, 7.	4.7	5
138	The SOPHIE search for northern extrasolar planets. Astronomy and Astrophysics, 2021, 653, A78.	5.1	5
139	HD 207897 b: A dense sub-Neptune transiting a nearby and bright K-type star. Astronomy and Astrophysics, 2022, 658, A176.	5.1	5
140	Reconciling the Predictions of Microlensing Analysis with Radial Velocity Measurements for OGLE-2011-BLG-0417. Astrophysical Journal, 2018, 865, 162.	4.5	4
141	Populations of Extrasolar Giant Planets from Transit and Radial Velocity Surveys., 2018,, 1985-2007.		3
142	HAT-P-68b: A Transiting Hot Jupiter around a K5 Dwarf Star*. Astronomical Journal, 2021, 161, 64.	4.7	2
143	Radial velocity follow-up of <i>CoRoT </i> transiting exoplanets. EPJ Web of Conferences, 2011, 11, 02001.	0.3	1
144	Resolving blended radial velocities. Proceedings of the International Astronomical Union, 2010, 6, 549-550.	0.0	0

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145	K2-19, The first K2 muti-planetary system showing TTVs. Proceedings of the International Astronomical Union, 2015, 11, 51-56.	0.0	0
146	SOPHIE velocimetry of Kepler transit candidates: a joint photometric, spectroscopic and dynamical analysis of the Kepler-117 system. EPJ Web of Conferences, 2015, 101, 06014.	0.3	0
147	Populations of Extrasolar Giant Planets from Transit and Radial Velocity Surveys. , 2018, , 1-23.		O
148	Three new massive companions in the planet-brown dwarf boundary detected with SOPHIE. EPJ Web of Conferences, 2011, 11, 02006.	0.3	0