

Pierre F L Maxted

List of Publications by Year in descending order

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135
papers

5,668
citations

71102

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135
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135
docs citations

135
times ranked

3042
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of the tidal deformation of WASP-103b at 3 σ with CHEOPS. <i>Astronomy and Astrophysics</i> , 2022, 657, A52.	5.1	22
2	Analysis of Early Science observations with the CHAracterising ExOPlanets Satellite (CHEOPS) using <code><sc>pycheops</sc></code> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 77-104.	4.4	38
3	Spi-OPS: <i>Spitzer</i> and CHEOPS confirm the near-polar orbit of MASCARA-1 b and reveal a hint of dayside reflection. <i>Astronomy and Astrophysics</i> , 2022, 658, A75.	5.1	25
4	BEBOP III. Observations and an independent mass measurement of Kepler-16(AB)b – the first circumbinary planet detected with radial velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3561-3570.	4.4	16
5	A pair of sub-Neptunes transiting the bright K-dwarf TOI-1064 characterized with CHEOPS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1043-1071.	4.4	30
6	Investigating the architecture and internal structure of the TOI-561 system planets with CHEOPS, HARPS-N, and TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4551-4571.	4.4	17
7	The atmosphere and architecture of WASP-189 b probed by its CHEOPS phase curve. <i>Astronomy and Astrophysics</i> , 2022, 659, A74.	5.1	26
8	BEBOP II: sensitivity to sub-Saturn circumbinary planets using radial-velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3571-3583.	4.4	17
9	Transit timing variations of AU Microscopii b and c. <i>Astronomy and Astrophysics</i> , 2022, 659, L7.	5.1	12
10	CHEOPS geometric albedo of the hot Jupiter HD 209458 b. <i>Astronomy and Astrophysics</i> , 2022, 659, L4.	5.1	20
11	Six new compact triply eclipsing triples found with TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4341-4360.	4.4	23
12	The CHEOPS mission. <i>Experimental Astronomy</i> , 2021, 51, 109-151.	3.7	140
13	CHEOPS observations of the HD 108236 planetary system: a fifth planet, improved ephemerides, and planetary radii. <i>Astronomy and Astrophysics</i> , 2021, 646, A157.	5.1	47
14	BG Ind: the nearest doubly eclipsing, compact hierarchical quadruple system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3759-3774.	4.4	16
15	Six transiting planets and a chain of Laplace resonances in TOI-178. <i>Astronomy and Astrophysics</i> , 2021, 649, A26.	5.1	94
16	The surface brightness–colour relations based on eclipsing binary stars and calibrated with <i>Gaia</i> EDR3. <i>Astronomy and Astrophysics</i> , 2021, 649, A109.	5.1	10
17	The EBLM project – VIII. First results for M-dwarf mass, radius, and effective temperature measurements using CHEOPS light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 306-322.	4.4	15
18	Exploiting timing capabilities of the CHEOPS mission with warm-Jupiter planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3810-3830.	4.4	18

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19	Transit detection of the long-period volatile-rich super-Earth $\hat{1}/2$ Lupi d with CHEOPS. <i>Nature Astronomy</i> , 2021, 5, 775-787.	10.1	51
20	A search for transiting planets around hot subdwarfs. <i>Astronomy and Astrophysics</i> , 2021, 650, A205.	5.1	18
21	The changing face of AU Mic b: stellar spots, spin-orbit commensurability, and transit timing variations as seen by CHEOPS and TESS. <i>Astronomy and Astrophysics</i> , 2021, 654, A159.	5.1	36
22	CHEOPS precision phase curve of the Super-Earth 55 Cancri e. <i>Astronomy and Astrophysics</i> , 2021, 653, A173.	5.1	30
23	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. <i>Astronomical Journal</i> , 2021, 162, 234.	4.7	30
24	The Pre-He White Dwarf in the Post-mass Transfer Binary EL CVn. <i>Astronomical Journal</i> , 2020, 159, 4.	4.7	11
25	The compact triply eclipsing triple star TIC 209409435 discovered with <i>TESS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4624-4636.	4.4	23
26	The <i>TESS</i> light curve of the eccentric eclipsing binary 1SWASP J011351.29+314909.7 – no evidence for a very hot M-dwarf companion. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 498, L15-L19.	3.3	6
27	TIC 278825952: a triply eclipsing hierarchical triple system with the most intrinsically circular outer orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 6034-6043.	4.4	16
28	WASP-186 and WASP-187: two hot Jupiters discovered by SuperWASP and SOPHIE with additional observations by TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 428-440.	4.4	32
29	The TESS light curve of AI Phoenicis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 332-343.	4.4	37
30	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.	4.4	10
31	Fundamental effective temperature measurements for eclipsing binary stars – I. Development of the method and application to AI Phoenicis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2899-2909.	4.4	14
32	TOI-1338: TESS – First Transiting Circumbinary Planet. <i>Astronomical Journal</i> , 2020, 159, 253.	4.7	58
33	TICs 167692429 and 220397947: the first compact hierarchical triple stars discovered with <i>TESS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5005-5023.	4.4	27
34	A multiplicity study of transiting exoplanet host stars. <i>Astronomy and Astrophysics</i> , 2020, 635, A73.	5.1	22
35	The hot dayside and asymmetric transit of WASP-189 b seen by CHEOPS. <i>Astronomy and Astrophysics</i> , 2020, 643, A94.	5.1	61
36	Two Transiting Hot Jupiters from the WASP Survey: WASP-150b and WASP-176b. <i>Astronomical Journal</i> , 2020, 159, 255.	4.7	4

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37	SuperWASP dispositions and false positive catalogue. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4905-4915.	4.4	6
38	WASP-169, WASP-171, WASP-175, and WASP-182: three hot Jupiters and one bloated sub-Saturn mass planet discovered by WASP-South. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2478-2487.	4.4	9
39	WASP-180Ab: Doppler tomography of a hot Jupiter orbiting the primary star in a visual binary. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2467-2474.	4.4	11
40	WASP-South hot Jupiters: WASP-178b, WASP-184b, WASP-185b, and WASP-192b. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1479-1487.	4.4	14
41	The EBLM project. Astronomy and Astrophysics, 2019, 626, A119.	5.1	17
42	WASP-166b: a bloated super-Neptune transiting a V star. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3067-3075.	4.4	23
43	The EBLM Project. Astronomy and Astrophysics, 2019, 625, A150.	5.1	21
44	Three hot-Jupiters on the upper edge of the mass-radius distribution: WASP-177, WASP-181, and WASP-183. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5790-5799.	4.4	14
45	Testing Systematics of Gaia DR2 Parallaxes with Empirical Surface Brightness: Color Relations Applied to Eclipsing Binaries. Astrophysical Journal, 2019, 872, 85.	4.5	42
46	Signs of accretion in the white dwarf + brown dwarf binary NLTT5306. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2566-2574.	4.4	19
47	WASP-190b: Tomographic Discovery of a Transiting Hot Jupiter. Astronomical Journal, 2019, 157, 141.	4.7	6
48	qpower2: A fast and accurate algorithm for the computation of exoplanet transit light curves with the power-2 limb-darkening law. Astronomy and Astrophysics, 2019, 622, A33.	5.1	23
49	Detectability of shape deformation in short-period exoplanets. Astronomy and Astrophysics, 2019, 621, A117.	5.1	24
50	The BEBOP radial-velocity survey for circumbinary planets. Astronomy and Astrophysics, 2019, 624, A68.	5.1	36
51	New transiting hot Jupiters discovered by WASP-South, Euler/CORALIE, and TRAPPIST-South. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1379-1391.	4.4	43
52	Discovery of Three New Transiting Hot Jupiters: WASP-161 b, WASP-163 b, and WASP-170 b. Astronomical Journal, 2019, 157, 43.	4.7	32
53	SB 796: a high-velocity RRc star. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5327-5335.	4.4	1
54	WASP-147b, 160Bb, 164b, and 165b: two hot Saturns and two Jupiters, including two planets with metal-rich hosts. Monthly Notices of the Royal Astronomical Society, 2019, 482, 301-312.	4.4	11

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55	Machine-learning approaches to exoplanet transit detection and candidate validation in wide-field ground-based surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5534-5547.	4.4	40
56	Note on the Power-2 Limb-darkening Law. <i>Research Notes of the AAS</i> , 2019, 3, 117.	0.7	7
57	The atmospheric parameters of FGK stars using wavelet analysis of CORALIE spectra. <i>Astronomy and Astrophysics</i> , 2018, 612, A111.	5.1	14
58	A chemical survey of exoplanets with ARIEL. <i>Experimental Astronomy</i> , 2018, 46, 135-209.	3.7	249
59	Discovery and characterisation of long-period eclipsing binary stars from <i>Kepler</i> K2 campaigns 1, 2, and 3. <i>Astronomy and Astrophysics</i> , 2018, 616, A38.	5.1	18
60	WASP-128b: a transiting brown dwarf in the dynamical-tide regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5091-5097.	4.4	26
61	Discovery of WASP-174b: Doppler tomography of a near-grazing transit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5307-5313.	4.4	14
62	WASP 0639-32: a new F-type subgiant/K-type main-sequence detached eclipsing binary from the WASP project. <i>Astronomy and Astrophysics</i> , 2018, 615, A135.	5.1	4
63	Comparison of the power-2 limb-darkening law from the STAGGER-grid to <i>Kepler</i> light curves of transiting exoplanets. <i>Astronomy and Astrophysics</i> , 2018, 616, A39.	5.1	51
64	Absolute Parameters for the F-type Eclipsing Binary BW Aquarii. <i>Research Notes of the AAS</i> , 2018, 2, 39.	0.7	4
65	The Surface Brightness-color Relations Based on Eclipsing Binary Stars: Toward Precision Better than 1% in Angular Diameter Predictions. <i>Astrophysical Journal</i> , 2017, 837, 7.	4.5	19
66	Rossiter-McLaughlin models and their effect on estimates of stellar rotation, illustrated using six WASP systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 810-839.	4.4	75
67	Emission lines in the atmosphere of the irradiated brown dwarf WD0137 ^b 349B. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1728-1736.	4.4	29
68	WASP-167b/KELT-13b: joint discovery of a hot Jupiter transiting a rapidly rotating F1V star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2743-2752.	4.4	63
69	The EBLM project. <i>Astronomy and Astrophysics</i> , 2017, 604, L6.	5.1	26
70	WASP-South transiting exoplanets: WASP-130b, WASP-131b, WASP-132b, WASP-139b, WASP-140b, WASP-141b and WASP-142b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 3693-3707.	4.4	70
71	From dense hot Jupiter to low-density Neptune: The discovery of WASP-127b, WASP-136b, and WASP-138b. <i>Astronomy and Astrophysics</i> , 2017, 599, A3.	5.1	46
72	The EBLM Project. <i>Astronomy and Astrophysics</i> , 2017, 608, A129.	5.1	56

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73	WASP-92b, WASP-93b and WASP-118b: three new transiting close-in giant planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3276-3289.	4.4	39
74	High-resolution Imaging of Transiting Extrasolar Planetary systems (HITEP). <i>Astronomy and Astrophysics</i> , 2016, 589, A58.	5.1	45
75	Five transiting hot Jupiters discovered using WASP-South, Euler, and TRAPPIST: WASP-119b, WASP-124b, WASP-126b, WASP-129b, and WASP-133b. <i>Astronomy and Astrophysics</i> , 2016, 591, A55.	5.1	21
76	Absolute parameters for AI Phoenicis using WASP photometry. <i>Astronomy and Astrophysics</i> , 2016, 591, A124.	5.1	20
77	ellc: A fast, flexible light curve model for detached eclipsing binary stars and transiting exoplanets. <i>Astronomy and Astrophysics</i> , 2016, 591, A111.	5.1	102
78	WASP-120 b, WASP-122 b, and WASP-123 b: Three Newly Discovered Planets from the WASP-South Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 064401.	3.1	38
79	A solar twin in the eclipsing binary LL Aquarii. <i>Astronomy and Astrophysics</i> , 2016, 594, A92.	5.1	13
80	WASP-121Ab: a hot Jupiter close to tidal disruption transiting an active F star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 4025-4043.	4.4	132
81	A kinematically unbiased search for nearby young stars in the Northern hemisphere selected using SuperWASP rotation periods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 173-192.	4.4	22
82	WASP-20b and WASP-28b: a hot Saturn and a hot Jupiter in near-aligned orbits around solar-type stars. <i>Astronomy and Astrophysics</i> , 2015, 575, A61.	5.1	31
83	The contribution of the major planet search surveys to EChO target selection. <i>Experimental Astronomy</i> , 2015, 40, 577-593.	3.7	2
84	Comparison of gyrochronological and isochronal age estimates for transiting exoplanet host stars. <i>Astronomy and Astrophysics</i> , 2015, 577, A90.	5.1	68
85	THREE WASP-SOUTH TRANSITING EXOPLANETS: WASP-74b, WASP-83b, AND WASP-89b. <i>Astronomical Journal</i> , 2015, 150, 18.	4.7	57
86	Multiwavelength photometry of the irradiated brown dwarf WD0137+349B. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3218-3226.	4.4	44
87	Bayesian mass and age estimates for transiting exoplanet host stars. <i>Astronomy and Astrophysics</i> , 2015, 575, A36.	5.1	57
88	Precise mass and radius measurements for the components of the bright solar-type eclipsing binary star V1094 Tauri. <i>Astronomy and Astrophysics</i> , 2015, 578, A25.	5.1	7
89	Three newly discovered sub-Jupiter-mass planets: WASP-69b and WASP-84b transit active K dwarfs and WASP-70Ab transits the evolved primary of a G4+K3 binary... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1114-1129.	4.4	99
90	Transiting hot Jupiters from WASP-South, Euler and TRAPPIST: WASP-95b to WASP-101b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1982-1992.	4.4	99

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91	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
92	EL CVn-type binaries - discovery of 17 helium white dwarf precursors in bright eclipsing binary star systems. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1681-1697.	4.4	85
93	Transiting planets from WASP-South, Euler, and TRAPPIST. Astronomy and Astrophysics, 2014, 563, A143.	5.1	29
94	WASP-103b: a new planet at the edge of tidal disruption. Astronomy and Astrophysics, 2014, 562, L3.	5.1	76
95	WASP-94 A and B planets: hot-Jupiter cousins in a twin-star system. Astronomy and Astrophysics, 2014, 572, A49.	5.1	41
96	WASP-117b: a 10-day-period Saturn in an eccentric and misaligned orbit. Astronomy and Astrophysics, 2014, 568, A81.	5.1	35
97	Multi-periodic pulsations of a stripped red-giant star in an eclipsing binary system. Nature, 2013, 498, 463-465.	27.8	79
98	Spitzer 3.6 and 4.5- μ m full-orbit light curves of WASP-18. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2645-2660.	4.4	124
99	Accurate spectroscopic parameters of WASP planet host stars.... Monthly Notices of the Royal Astronomical Society, 2013, 428, 3164-3172.	4.4	106
100	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
101	WASP-80b: a gas giant transiting a cool dwarf. Astronomy and Astrophysics, 2013, 551, A80.	5.1	73
102	WASP-64b and WASP-72b: two new transiting highly irradiated giant planets. Astronomy and Astrophysics, 2013, 552, A82.	5.1	49
103	Seven transiting hot Jupiters from WASP-South, Euler and TRAPPIST: WASP-47b, WASP-55b, WASP-61b, WASP-62b, WASP-63b, WASP-66b and WASP-67b. Monthly Notices of the Royal Astronomical Society, 2012, 426, 739-750.	4.4	122
104	The TRAPPIST survey of southern transiting planets. Astronomy and Astrophysics, 2012, 542, A4.	5.1	155
105	WASP-78b and WASP-79b: two highly-bloated hot Jupiter-mass exoplanets orbiting F-type stars in Eridanus. Astronomy and Astrophysics, 2012, 547, A61.	5.1	54
106	WASP-42b and WASP-49b: two new transiting sub-Jupiters. Astronomy and Astrophysics, 2012, 544, A72.	5.1	94
107	WASP-41b: A Transiting Hot Jupiter Planet Orbiting a Magnetically Active G8V Star. Publications of the Astronomical Society of the Pacific, 2011, 123, 547-554.	3.1	132
108	The WASP-South search for transiting exoplanets. EPJ Web of Conferences, 2011, 11, 01004.	0.3	8

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109	WASP-30b: A 61 M_{Jup} BROWN DWARF TRANSITING A $V = 12$, F8 STAR. <i>Astrophysical Journal Letters</i> , 2011, 726, L19.	8.3	123
110	WASP-23b: a transiting hot Jupiter around a K dwarf and its Rossiter-McLaughlin effect. <i>Astronomy and Astrophysics</i> , 2011, 531, A24.	5.1	36
111	Substellar Companions and the Formation of Hot Subdwarf Stars. , 2011, , .		3
112	Analysis of Two Eclipsing Hot Subdwarf Binaries with a Low Mass Stellar and a Brown Dwarf Companion. , 2011, , .		1
113	Discovery of a stripped red giant core in a bright eclipsing binary system.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1156-1164.	4.4	58
114	ECLIPSING BINARY SCIENCE VIA THE MERGING OF TRANSIT AND DOPPLER EXOPLANET SURVEY DATA—A CASE STUDY WITH THE MARVELS PILOT PROJECT AND SuperWASP. <i>Astronomical Journal</i> , 2011, 142, 50.	4.7	3
115	Analysis of two eclipsing hot subdwarf binaries with a low mass stellar and a brown dwarf companion. , 2010, , .		1
116	Massive Unseen Companions to Hot Faint Underluminous Stars from SDSS (MUCHFUSS)—Status report. , 2010, , .		0
117	WASP-29b: A SATURN-SIZED TRANSITING EXOPLANET. <i>Astrophysical Journal Letters</i> , 2010, 723, L60-L63.	8.3	63
118	The HYPER-MUCHFUSS project—target selection and analysis. <i>Astrophysics and Space Science</i> , 2010, 329, 63-68.	1.4	0
119	Hot subdwarfs in binary systems and the nature of their unseen companions. <i>Astrophysics and Space Science</i> , 2010, 329, 91-99.	1.4	6
120	The HYPER-MUCHFUSS project—the constant high-velocity population. <i>Astrophysics and Space Science</i> , 2010, 329, 69-76.	1.4	0
121	Line-profile tomography of exoplanet transits - II. A gas-giant planet transiting a rapidly rotating A5 star.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 507-514.	4.4	242
122	WASP-21b: a hot-Saturn exoplanet transiting a thick disc star. <i>Astronomy and Astrophysics</i> , 2010, 519, A98.	5.1	47
123	The MUCHFUSS Project—Searching for Massive Compact Companions to Hot Subdwarf Stars. , 2010, , .		0
124	Analysis of Two Eclipsing Hot Subdwarf Binaries with a Low Mass Stellar and a Brown Dwarf Companion. , 2010, , .		0
125	WASP-16b: A NEW JUPITER-LIKE PLANET TRANSITING A SOUTHERN SOLAR ANALOG. <i>Astrophysical Journal</i> , 2009, 703, 752-756.	4.5	32
126	WASP-7: A BRIGHT TRANSITING-EXOPLANET SYSTEM IN THE SOUTHERN HEMISPHERE. <i>Astrophysical Journal</i> , 2009, 690, L89-L91.	4.5	66

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127	Improved parameters for the transiting hot Jupiters WASP-4b and WASP-5b. <i>Astronomy and Astrophysics</i> , 2009, 496, 259-267.	5.1	121
128	Survival of a brown dwarf after engulfment by a red giant star. <i>Nature</i> , 2006, 442, 543-545.	27.8	129
129	ASTRONOMY: Enhanced: A Ghostly Star Revealed in Silhouette. <i>Science</i> , 2006, 314, 1550-1551.	12.6	1
130	Absolute dimensions of detached eclipsing binaries -- I. The metallic-lined system WW Aurigae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 363, 529-542.	4.4	119
131	Close binary systems among very low-mass stars and brown dwarfs. <i>Astronomische Nachrichten</i> , 2005, 326, 944-947.	1.2	10
132	Eclipsing binaries as standard candles. <i>Astronomy and Astrophysics</i> , 2005, 429, 645-655.	5.1	124
133	Peculiar architectures for the WASP-53 and WASP-81 planet-hosting systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx154.	4.4	16
134	A tidally tilted sectoral dipole pulsation mode in the eclipsing binary TICÂ63328020. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	11
135	Fundamental effective temperature measurements for eclipsing binary stars â€“ III. SPIRou near-infrared spectroscopy and CHEOPS photometry of the benchmark GOV star EBLMÂJ0113+31. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	2