

Pierre Kervella

List of Publications by Year in descending order

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311
papers

12,377
citations

28274

55
h-index

34986

98
g-index

315
all docs

315
docs citations

315
times ranked

7323
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of the gravitational redshift in the orbit of the star S2 near the Galactic centre massive black hole. <i>Astronomy and Astrophysics</i> , 2018, 615, L15.	5.1	593
2	A geometric distance measurement to the Galactic center black hole with 0.3% uncertainty. <i>Astronomy and Astrophysics</i> , 2019, 625, L10.	5.1	477
3	A distance to the Large Magellanic Cloud that is precise to one per cent. <i>Nature</i> , 2019, 567, 200-203.	27.8	365
4	The angular sizes of dwarf stars and subgiants. <i>Astronomy and Astrophysics</i> , 2004, 426, 297-307.	5.1	360
5	Detection of the Schwarzschild precession in the orbit of the star S2 near the Galactic centre massive black hole. <i>Astronomy and Astrophysics</i> , 2020, 636, L5.	5.1	340
6	First light for GRAVITY: Phase referencing optical interferometry for the Very Large Telescope Interferometer. <i>Astronomy and Astrophysics</i> , 2017, 602, A94.	5.1	333
7	Detection of orbital motions near the last stable circular orbit of the massive black hole SgrA*. <i>Astronomy and Astrophysics</i> , 2018, 618, L10.	5.1	261
8	Stellar and substellar companions of nearby stars from <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2019, 623, A72.	5.1	260
9	A chemical survey of exoplanets with ARIEL. <i>Experimental Astronomy</i> , 2018, 46, 135-209.	3.7	249
10	<i>Gaia</i> Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021, 649, A5.	5.1	246
11	A ring system detected around the Centaur (10199) Chariklo. <i>Nature</i> , 2014, 508, 72-75.	27.8	230
12	A Low-Mass Planet with a Possible Sub-Stellar Mass Host in Microlensing Event MOA-2007-BLG-192. <i>Astrophysical Journal</i> , 2008, 684, 663-683.	4.5	209
13	The spinning-top Be star Achernar from VLTI-VINCI. <i>Astronomy and Astrophysics</i> , 2003, 407, L47-L50.	5.1	174
14	First radius measurements of very low mass stars with the VLTI. <i>Astronomy and Astrophysics</i> , 2003, 397, L5-L8.	5.1	171
15	A new calibration of Galactic Cepheid period-luminosity relations from B to K bands, and a comparison to LMC relations. <i>Astronomy and Astrophysics</i> , 2007, 476, 73-81.	5.1	169
16	First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. <i>Astrophysical Journal</i> , 2006, 645, 664-675.	4.5	146
17	Mass-radius relation of low and very low-mass stars revisited with the VLTI. <i>Astronomy and Astrophysics</i> , 2009, 505, 205-215.	5.1	144
18	The diameters of α -Centauri A and B. <i>Astronomy and Astrophysics</i> , 2003, 404, 1087-1097.	5.1	142

#	ARTICLE	IF	CITATIONS
19	VLTi near-IR interferometric observations of Vega-like stars. <i>Astronomy and Astrophysics</i> , 2004, 426, 601-617.	5.1	124
20	Circumstellar material in the Vega inner system revealed by CHARA/FLUOR. <i>Astronomy and Astrophysics</i> , 2006, 452, 237-244.	5.1	124
21	VEGA: Visible spEctroGraph and polArimeter for the CHARA array: principle and performance. <i>Astronomy and Astrophysics</i> , 2009, 508, 1073-1083.	5.1	115
22	Retrieving scattering clouds and disequilibrium chemistry in the atmosphere of HR 8799e. <i>Astronomy and Astrophysics</i> , 2020, 640, A131.	5.1	107
23	Asteroseismology and interferometry. <i>Astronomy and Astrophysics Review</i> , 2007, 14, 217-360.	25.5	105
24	Stellar and substellar companions from <i>Gaia</i> EDR3. <i>Astronomy and Astrophysics</i> , 2022, 657, A7.	5.1	103
25	EChO. <i>Experimental Astronomy</i> , 2012, 34, 311-353.	3.7	98
26	First direct detection of an exoplanet by optical interferometry. <i>Astronomy and Astrophysics</i> , 2019, 623, L11.	5.1	95
27	A near-infrared interferometric survey of debris disk stars. <i>Astronomy and Astrophysics</i> , 2007, 475, 243-250.	5.1	95
28	A near-infrared interferometric survey of debris-disc stars. <i>Astronomy and Astrophysics</i> , 2013, 555, A104.	5.1	94
29	Mass distribution in the Galactic Center based on interferometric astrometry of multiple stellar orbits. <i>Astronomy and Astrophysics</i> , 2022, 657, L12.	5.1	94
30	Cepheid distances from infrared long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2004, 428, 587-593.	5.1	92
31	Direct measurement of the size and shape of the present-day stellar wind of ϵ -Carinae. <i>Astronomy and Astrophysics</i> , 2003, 410, L37-L40.	5.1	86
32	Cepheid distances from infrared long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2004, 416, 941-953.	5.1	85
33	PLUTO'S ATMOSPHERE FROM THE 2015 JUNE 29 GROUND-BASED STELLAR OCCULTATION AT THE TIME OF THE NEW HORIZONS FLYBY*. <i>Astrophysical Journal Letters</i> , 2016, 819, L38.	8.3	82
34	Improved GRAVITY astrometric accuracy from modeling optical aberrations. <i>Astronomy and Astrophysics</i> , 2021, 647, A59.	5.1	82
35	Proxima's orbit around α -Centauri. <i>Astronomy and Astrophysics</i> , 2017, 598, L7.	5.1	81
36	Evidence for Very Extended Gaseous Layers around O-rich Mira Variables and M Giants. <i>Astrophysical Journal</i> , 2002, 579, 446-454.	4.5	81

#	ARTICLE	IF	CITATIONS
37	Peering into the formation history of β Pictoris b with VLT/GRAVITY long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2020, 633, A110.	5.1	78
38	High resolution spectroscopy for Cepheids distance determination. <i>Astronomy and Astrophysics</i> , 2006, 453, 309-319.	5.1	77
39	The diameter and evolutionary state of Procyon. <i>Astronomy and Astrophysics</i> , 2004, 413, 251-256.	5.1	74
40	Extended envelopes around Galactic Cepheids. <i>Astronomy and Astrophysics</i> , 2006, 453, 155-162.	5.1	72
41	On the Limb Darkening, Spectral Energy Distribution, and Temperature Structure of Procyon. <i>Astrophysical Journal</i> , 2005, 633, 424-439.	4.5	71
42	Robust high-contrast companion detection from interferometric observations. <i>Astronomy and Astrophysics</i> , 2015, 579, A68.	5.1	71
43	AN INTERFEROMETRIC STUDY OF THE FOMALHAUT INNER DEBRIS DISK. I. NEAR-INFRARED DETECTION OF HOT DUST WITH VLT/VINCI. <i>Astrophysical Journal</i> , 2009, 704, 150-160.	4.5	70
44	VLT/VINCI observations of the nucleus of NGC 1068 using the adaptive optics system AMCAO. <i>Astronomy and Astrophysics</i> , 2004, 418, L39-L42.	5.1	70
45	Extended envelopes around Galactic Cepheids. <i>Astronomy and Astrophysics</i> , 2006, 448, 623-631.	5.1	68
46	Data reduction methods for single-mode optical interferometry. <i>Astronomy and Astrophysics</i> , 2004, 425, 1161-1174.	5.1	67
47	Tests of stellar model atmospheres by optical interferometry. <i>Astronomy and Astrophysics</i> , 2004, 413, 711-723.	5.1	66
48	The radii of the nearby K5V and K7V stars δ Cygni A & B. <i>Astronomy and Astrophysics</i> , 2008, 488, 667-674.	5.1	62
49	Direct confirmation of the radial-velocity planet β Pictoris c. <i>Astronomy and Astrophysics</i> , 2020, 642, L2.	5.1	61
50	The angular sizes of dwarf stars and subgiants. <i>Astronomy and Astrophysics</i> , 2008, 491, 855-858.	5.1	60
51	Constraining the Nature of the PDS 70 Protoplanets with VLT/GRAVITY α . <i>Astronomical Journal</i> , 2021, 161, 148.	4.7	59
52	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2009, 504, 115-125.	5.1	58
53	The projection factor of α Cephei. <i>Astronomy and Astrophysics</i> , 2005, 438, L9-L12.	5.1	57
54	The radii and limb darkenings of γ Centauri A and B. <i>Astronomy and Astrophysics</i> , 2017, 597, A137.	5.1	57

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55	(Sub)stellar companions shape the winds of evolved stars. <i>Science</i> , 2020, 369, 1497-1500.	12.6	57
56	The polar wind of the fast rotating Be star Achernar. <i>Astronomy and Astrophysics</i> , 2006, 453, 1059-1066.	5.1	56
57	Self consistent modelling of the projection factor for interferometric distance determination. <i>Astronomy and Astrophysics</i> , 2004, 428, 131-137.	5.1	55
58	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2011, 531, A117.	5.1	55
59	Fundamental properties of the Population II fiducial stars HD 122563 and Gmb 1830 from CHARA interferometric observations. <i>Astronomy and Astrophysics</i> , 2012, 545, A17.	5.1	55
60	Study of the inner dust envelope and stellar photosphere of the AGB star R Doradus using SPHERE/ZIMPOL. <i>Astronomy and Astrophysics</i> , 2016, 591, A70.	5.1	55
61	A dusty veil shading Betelgeuse during its Great Dimming. <i>Nature</i> , 2021, 594, 365-368.	27.8	55
62	Gravitational-darkening of Altair from interferometry. <i>Astronomy and Astrophysics</i> , 2005, 442, 567-578.	5.1	55
63	The interferometric diameter and internal structure of Sirius A. <i>Astronomy and Astrophysics</i> , 2003, 408, 681-688.	5.1	54
64	ALMA observations of the nearby AGB star L ₂ Puppis. <i>Astronomy and Astrophysics</i> , 2016, 596, A92.	5.1	54
65	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2018, 609, A67.	5.1	54
66	A near-infrared interferometric survey of debris disc stars. <i>Astronomy and Astrophysics</i> , 2008, 487, 1041-1054.	5.1	53
67	The limb darkening of α Centauri B. <i>Astronomy and Astrophysics</i> , 2006, 446, 635-641.	5.1	53
68	The Structure of Chariklo's Rings from Stellar Occultations. <i>Astronomical Journal</i> , 2017, 154, 144.	4.7	52
69	Prevalence of SED Turndown among Classical Be Stars: Are All Be Stars Close Binaries?. <i>Astrophysical Journal</i> , 2019, 885, 147.	4.5	52
70	Modeling the orbital motion of Sgr A* near-infrared flares. <i>Astronomy and Astrophysics</i> , 2020, 635, A143.	5.1	51
71	VLT/VINCI diameter constraints on the evolutionary status of ϵ Eri, ζ Hya, $\hat{\iota}$ Boo. <i>Astronomy and Astrophysics</i> , 2005, 436, 253-262.	5.1	51
72	Hot exozodiacal dust resolved around Vega with IOTA/IONIC. <i>Astronomy and Astrophysics</i> , 2011, 534, A5.	5.1	49

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73	A binary engine fuelling HDâ€™%87643's complex circumstellar environment. <i>Astronomy and Astrophysics</i> , 2009, 507, 317-326.	5.1	48
74	The Milky Way Cepheid Leavitt law based on <i>Gaia</i> DR2 parallaxes of companion stars and host open cluster populations. <i>Astronomy and Astrophysics</i> , 2020, 643, A115.	5.1	48
75	GRAVITY: getting to the event horizon of Sgr A*. <i>Proceedings of SPIE</i> , 2008, , .	0.8	47
76	Benchmark stars for<i>Gaia</i> Fundamental properties of the Population II star HDâ€™%140283 from interferometric, spectroscopic, and photometric data. <i>Astronomy and Astrophysics</i> , 2015, 575, A26.	5.1	47
77	Extended Envelopes around Galactic Cepheids. III. Y Ophiuchi and $\hat{\pm}$ Persei from Nearâ€™nfrared Interferometry with CHARA/FLUOR. <i>Astrophysical Journal</i> , 2007, 664, 1093-1101.	4.5	46
78	The dust disk and companion of the nearby AGB star L₂â€™%Puppis. <i>Astronomy and Astrophysics</i> , 2015, 578, A77.	5.1	46
79	High-resolution spectroscopy for Cepheids distance determination. <i>Astronomy and Astrophysics</i> , 2009, 502, 951-956.	5.1	46
80	Multiplicity of Galactic Cepheids and RR Lyrae stars from <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2019, 623, A116.	5.1	45
81	Cepheid distances from the SpectroPhoto-Interferometry of Pulsating Stars (SPIPS). <i>Astronomy and Astrophysics</i> , 2015, 584, A80.	5.1	44
82	Optimized Trajectories to the Nearest Stars Using Lightweight High-velocity Photon Sails. <i>Astronomical Journal</i> , 2017, 154, 115.	4.7	44
83	The environment of the fast rotating star Achernar. <i>Astronomy and Astrophysics</i> , 2014, 569, A10.	5.1	43
84	Close stellar conjunctions of<i>Î±</i>Centauri A and B until 2050. <i>Astronomy and Astrophysics</i> , 2016, 594, A107.	5.1	42
85	An Updated 2017 Astrometric Solution for Betelgeuse. <i>Astronomical Journal</i> , 2017, 154, 11.	4.7	42
86	Testing Systematics of Gaia DR2 Parallaxes with Empirical Surface Brightness: Color Relations Applied to Eclipsing Binaries. <i>Astrophysical Journal</i> , 2019, 872, 85.	4.5	42
87	Calibration of the Barnes-Evans Relation Using Interferometric Observations of Cepheids. <i>Astronomical Journal</i> , 2002, 123, 3380-3386.	4.7	40
88	The circumstellar envelopes of the Cepheids $\$mathsf{\{ell\}}\$â€™%Carinae and RSâ€™%Puppis. Astronomy and Astrophysics, 2009, 498, 425-443.$	5.1	39
89	Three-dimensional interferometric, spectrometric, and planetary views of Procyon. <i>Astronomy and Astrophysics</i> , 2012, 540, A5.	5.1	39
90	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2016, 585, A28.	5.1	39

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91	The diameter of the CoRoT target HD 49933. <i>Astronomy and Astrophysics</i> , 2011, 534, L3.	5.1	38
92	Unveiling the α^2 Pictoris system, coupling high contrast imaging, interferometric, and radial velocity data. <i>Astronomy and Astrophysics</i> , 2020, 642, A18.	5.1	38
93	VINCI, the VLTI commissioning instrument: status after one year of operations at Paranal. , 2003, 4838, 858.		35
94	ALMA sub-mm maser and dust distribution of VY Canis Majoris. <i>Astronomy and Astrophysics</i> , 2014, 572, L9.	5.1	35
95	Observational calibration of the projection factor of Cepheids. <i>Astronomy and Astrophysics</i> , 2016, 587, A117.	5.1	35
96	The VLT Interferometer: a unique instrument for high-resolution astronomy. , 2000, , .		34
97	The Angular Size of the Cepheid Carinae: A Comparison of the Interferometric and Surface Brightness Techniques. <i>Astrophysical Journal</i> , 2004, 604, L113-L116.	4.5	34
98	An edge-on translucent dust disk around the nearest AGB star, L ₂ Puppis. <i>Astronomy and Astrophysics</i> , 2014, 564, A88.	5.1	34
99	Mass and p-factor of the Type II Cepheid OGLE-LMC-T2CEP-098 in a Binary System $\hat{=}$. <i>Astrophysical Journal</i> , 2017, 842, 110.	4.5	34
100	Size and Shape of Chariklo from Multi-epoch Stellar Occultations \ast . <i>Astronomical Journal</i> , 2017, 154, 159.	4.7	34
101	Multiplicity of Galactic Cepheids and RR Lyrae stars from <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2019, 623, A117.	5.1	34
102	The Influence of Metallicity on the Leavitt Law from Geometrical Distances of Milky Way and Magellanic Cloud Cepheids. <i>Astrophysical Journal</i> , 2021, 913, 38.	4.5	34
103	Orbital inclination and mass of the exoplanet candidate Proxima c. <i>Astronomy and Astrophysics</i> , 2020, 635, L14.	5.1	34
104	The flux distribution of Sgr A*. <i>Astronomy and Astrophysics</i> , 2020, 638, A2.	5.1	34
105	GRAVITY: a four-telescope beam combiner instrument for the VLTI. <i>Proceedings of SPIE</i> , 2010, , .	0.8	33
106	Multiplicity of Galactic Cepheids from long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2013, 552, A21.	5.1	33
107	Properties of the CO and H ₂ O MOLsphere of the red supergiant Betelgeuse from VLTI/AMBER observations. <i>Astronomy and Astrophysics</i> , 2014, 572, A17.	5.1	33
108	The Araucaria Project: High-precision Cepheid Astrophysics from the Analysis of Variables in Double-lined Eclipsing Binaries*. <i>Astrophysical Journal</i> , 2018, 862, 43.	4.5	33

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109	The mass of $\hat{\rho}$ Pictoris c from $\hat{\rho}$ Pictoris b orbital motion. <i>Astronomy and Astrophysics</i> , 2021, 654, L2.	5.1	33
110	The expanding dusty bipolar nebula around the nova V1280 Scorpi. <i>Astronomy and Astrophysics</i> , 2012, 545, A63.	5.1	33
111	Resolved astrometric orbits of ten O-type binaries. <i>Astronomy and Astrophysics</i> , 2017, 601, A34.	5.1	32
112	Cepheid distances from infrared long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2004, 423, 327-333.	5.1	31
113	The EChO science case. <i>Experimental Astronomy</i> , 2015, 40, 329-391.	3.7	31
114	ALMA observations of anisotropic dust mass loss in the inner circumstellar environment of the red supergiant VY Canis Majoris. <i>Astronomy and Astrophysics</i> , 2015, 573, L1.	5.1	31
115	VINCI: the VLT Interferometer commissioning instrument. , 2000, 4006, 31.		30
116	The inhomogeneous submillimeter atmosphere of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2017, 602, L10.	5.1	30
117	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2016, 588, A130.	5.1	30
118	An unusual face-on spiral in the wind of the M-type AGB star EP Aquarii. <i>Astronomy and Astrophysics</i> , 2018, 616, A34.	5.1	29
119	Imaging low-mass planets within the habitable zone of $\hat{\rho}$ Centauri. <i>Nature Communications</i> , 2021, 12, 922.	12.8	29
120	Dynamically important magnetic fields near the event horizon of Sgr A*. <i>Astronomy and Astrophysics</i> , 2020, 643, A56.	5.1	29
121	Multiple shock waves in the atmosphere of the Cepheid $\hat{\rho}$ Sagittarii?. <i>Astronomy and Astrophysics</i> , 2006, 457, 575-579.	5.1	29
122	Surface convection and red-giant radius measurements. <i>Astronomy and Astrophysics</i> , 2011, 526, A100.	5.1	28
123	The red dwarf pair GJ65AB: inflated, spinning twins of Proxima. <i>Astronomy and Astrophysics</i> , 2016, 593, A127.	5.1	28
124	The Late-type Eclipsing Binaries in the Large Magellanic Cloud: Catalog of Fundamental Physical Parameters. <i>Astrophysical Journal</i> , 2018, 860, 1.	4.5	28
125	Detection of faint stars near Sagittarius A* with GRAVITY. <i>Astronomy and Astrophysics</i> , 2021, 645, A127.	5.1	28
126	Constraining particle acceleration in Sgr A [*] with simultaneous GRAVITY, Spitzer, NuSTAR, and Chandra observations. <i>Astronomy and Astrophysics</i> , 2021, 654, A22.	5.1	28

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127	The Araucaria Project: High-precision orbital parallax and masses of the eclipsing binary TZ Fornacis. <i>Astronomy and Astrophysics</i> , 2016, 586, A35.	5.1	27
128	TESS Observations of Cepheid Stars: First Light Results. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 11.	7.7	27
129	First observations with anH-band integrated optics beam combiner at the VLTI. <i>Astronomy and Astrophysics</i> , 2004, 424, 719-726.	5.1	27
130	The VLTI -- A Status Report. , 2003, 4838, 89.		26
131	The long-period Galactic Cepheid RSâ€™Puppis. <i>Astronomy and Astrophysics</i> , 2008, 480, 167-178.	5.1	26
132	GRAVITY data reduction software. <i>Proceedings of SPIE</i> , 2014, , .	0.8	26
133	ALMA observations of the nearby AGB star L₂Puppis. <i>Astronomy and Astrophysics</i> , 2017, 601, A5.	5.1	26
134	The gravitational mass of Proxima Centauri measured with SPHERE from a microlensing event. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 236-244.	4.4	26
135	The angular diameter and distance of the Cepheid Î¶ Geminorum. <i>Astronomy and Astrophysics</i> , 2001, 367, 876-883.	5.1	26
136	Investigating Cepheid â€™Carinae's cycle-to-cycle variations via contemporaneous velocimetry and interferometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 4231-4248.	4.4	25
137	Observational calibration of the projection factor of Cepheids. <i>Astronomy and Astrophysics</i> , 2017, 600, A127.	5.1	25
138	A realistic two-dimensional model of Altair. <i>Astronomy and Astrophysics</i> , 2020, 633, A78.	5.1	25
139	The environment of the fast rotating star Achernar. <i>Astronomy and Astrophysics</i> , 2007, 474, L49-L52.	5.1	24
140	VLT/SPHERE- and ALMA-based shape reconstruction of asteroid (3) Juno. <i>Astronomy and Astrophysics</i> , 2015, 581, L3.	5.1	24
141	Observational calibration of the projection factor of Cepheids. <i>Astronomy and Astrophysics</i> , 2017, 608, A18.	5.1	24
142	Beyond the diffraction limit of optical/IR interferometers. <i>Astronomy and Astrophysics</i> , 2012, 545, A130.	5.1	24
143	The close-in companion of the fast rotating Be star Achernar. <i>Astronomy and Astrophysics</i> , 2008, 484, L13-L16.	5.1	24
144	The radius and effective temperature of the binary Apâ€™CrB from CHARA/FLUOR and VLT/NACO observations. <i>Astronomy and Astrophysics</i> , 2010, 512, A55.	5.1	23

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145	Extended envelopes around Galactic Cepheids. <i>Astronomy and Astrophysics</i> , 2013, 558, A140.	5.1	23
146	Multiplicity of Galactic Cepheids from long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2014, 561, L3.	5.1	23
147	HARPS-N high spectral resolution observations of Cepheids I. The Baade-Wesselink projection factor of κ Cep revisited. <i>Astronomy and Astrophysics</i> , 2017, 597, A73.	5.1	23
148	Multiple star systems in the Orion nebula. <i>Astronomy and Astrophysics</i> , 2018, 620, A116.	5.1	23
149	Thermal infrared properties of classical and type II Cepheids. <i>Astronomy and Astrophysics</i> , 2012, 538, A24.	5.1	22
150	PEGASE, an infrared interferometer to study stellar environments and low mass companions around nearby stars. <i>Experimental Astronomy</i> , 2009, 23, 403-434.	3.7	21
151	Reaching micro-arcsecond astrometry with long baseline optical interferometry. <i>Astronomy and Astrophysics</i> , 2014, 567, A75.	5.1	21
152	Evolution of the magnetic field of Betelgeuse from 2009 to 2017. <i>Astronomy and Astrophysics</i> , 2018, 615, A116.	5.1	21
153	Fundamental properties of red-clump stars from long-baseline H -band interferometry. <i>Astronomy and Astrophysics</i> , 2018, 616, A68.	5.1	21
154	Physical, spectral, and dynamical properties of asteroid (107) Camilla and its satellites. <i>Icarus</i> , 2018, 309, 134-161.	2.5	20
155	A Geometrical 1% Distance to the Short-period Binary Cepheid V1334 Cygni. <i>Astrophysical Journal</i> , 2018, 867, 121.	4.5	20
156	Asteroseismology and interferometry of the red giant star μ Ophiuchi. <i>Astronomy and Astrophysics</i> , 2009, 503, 521-531.	5.1	20
157	Phase-referenced imaging and micro-arcsecond astrometry with the VLTI. , 2000, , .		19
158	Flares and variability from Sagittarius A*: five nights of simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012, 540, A41.	5.1	19
159	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
160	Multiplicity of Galactic Cepheids from long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2019, 622, A164.	5.1	19
161	The inner dust shell of Betelgeuse detected by polarimetric aperture-masking interferometry. <i>Astronomy and Astrophysics</i> , 2019, 628, A101.	5.1	19
162	VLTI technical advances: present and future. , 2004, , .		18

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163	Discovery of a complex linearly polarized spectrum of Betelgeuse dominated by depolarization of the continuum. <i>Astronomy and Astrophysics</i> , 2016, 591, A119.	5.1	18
164	Submilliarcsecond Optical Interferometry of the High-mass X-Ray Binary BP Cru with VLTI/GRAVITY. <i>Astrophysical Journal</i> , 2017, 844, 72.	4.5	18
165	Single-mode waveguides for GRAVITY. <i>Astronomy and Astrophysics</i> , 2018, 614, A70.	5.1	18
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