

Pierre Kervella

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.

292
papers

8,796
citations

49
h-index

82
g-index

315
ext. papers

10,587
ext. citations

5.1
avg, IF

5.72
L-index

#	Paper	IF	Citations
292	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	386
291	The angular sizes of dwarf stars and subgiants. <i>Astronomy and Astrophysics</i> , 2004 , 426, 297-307	5.1	310
290	A geometric distance measurement to the Galactic center black hole with 0.3% uncertainty. <i>Astronomy and Astrophysics</i> , 2019 , 625, L10	5.1	280
289	First light for GRAVITY: Phase referencing optical interferometry for the Very Large Telescope Interferometer. <i>Astronomy and Astrophysics</i> , 2017 , 602, A94	5.1	202
288	A distance to the Large Magellanic Cloud that is precise to one per cent. <i>Nature</i> , 2019 , 567, 200-203	50.4	187
287	A ring system detected around the Centaur (10199) Chariklo. <i>Nature</i> , 2014 , 508, 72-5	50.4	185
286	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	4.7	178
285	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	177
284	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	159
283	The spinning-top Be star Achernar from VLTI-VINCI. <i>Astronomy and Astrophysics</i> , 2003 , 407, L47-L50	5.1	156
282	First radius measurements of very low mass stars with the VLTI. <i>Astronomy and Astrophysics</i> , 2003 , 397, L5-L8	5.1	155
281	A chemical survey of exoplanets with ARIEL. <i>Experimental Astronomy</i> , 2018 , 46, 135-209	1.3	148
280	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	141
279	Stellar and substellar companions of nearby stars from Gaia DR2. <i>Astronomy and Astrophysics</i> , 2019 , 623, A72	5.1	138
278	The diameters of α Centauri A and B. <i>Astronomy and Astrophysics</i> , 2003 , 404, 1087-1097	5.1	134
277	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	129
276	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	4.7	127

275	Circumstellar material in the Vega inner system revealed by CHARA/FLUOR. <i>Astronomy and Astrophysics</i> , 2006 , 452, 237-244	5.1	110
274	VLT/IR interferometric observations of Vega-like stars. <i>Astronomy and Astrophysics</i> , 2004 , 426, 601-617	5.1	110
273	VEGA: Visible spEctroGraph and polArimeter for the CHARA array: principle and performance. <i>Astronomy and Astrophysics</i> , 2009 , 508, 1073-1083	5.1	101
272	Asteroseismology and interferometry. <i>Astronomy and Astrophysics Review</i> , 2007 , 14, 217-360	28.8	95
271	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A5	5.1	90
270	A near-infrared interferometric survey of debris disk stars. <i>Astronomy and Astrophysics</i> , 2007 , 475, 243-250	5.1	85
269	Cepheid distances from infrared long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2004 , 428, 587-593	5.1	84
268	EChO. <i>Experimental Astronomy</i> , 2012 , 34, 311-353	1.3	82
267	A near-infrared interferometric survey of debris-disc stars. <i>Astronomy and Astrophysics</i> , 2013 , 555, A104	5.1	81
266	Cepheid distances from infrared long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2004 , 416, 941-953	5.1	79
265	Direct measurement of the size and shape of the present-day stellar wind of κ Carinae. <i>Astronomy and Astrophysics</i> , 2003 , 410, L37-L40	5.1	79
264	Evidence for Very Extended Gaseous Layers around O-rich Mira Variables and M Giants. <i>Astrophysical Journal</i> , 2002 , 579, 446-454	4.7	76
263	High resolution spectroscopy for Cepheids distance determination. <i>Astronomy and Astrophysics</i> , 2006 , 453, 309-319	5.1	69
262	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	7.9	67
261	Proxima's orbit around α Centauri. <i>Astronomy and Astrophysics</i> , 2017 , 598, L7	5.1	65
260	On the Limb Darkening, Spectral Energy Distribution, and Temperature Structure of Procyon. <i>Astrophysical Journal</i> , 2005 , 633, 424-439	4.7	65
259	The diameter and evolutionary state of Procyon A. <i>Astronomy and Astrophysics</i> , 2004 , 413, 251-256	5.1	64
258	AN INTERFEROMETRIC STUDY OF THE FOMALHAUT INNER DEBRIS DISK. I. NEAR-INFRARED DETECTION OF HOT DUST WITH VLT/SPHERE. <i>Astrophysical Journal</i> , 2009 , 704, 150-160	4.7	61

257	Extended envelopes around Galactic Cepheids. <i>Astronomy and Astrophysics</i> , 2006 , 453, 155-162	5.1	61
256	Tests of stellar model atmospheres by optical interferometry. <i>Astronomy and Astrophysics</i> , 2004 , 413, 711-723	5.1	61
255	First direct detection of an exoplanet by optical interferometry. <i>Astronomy and Astrophysics</i> , 2019 , 623, L11	5.1	60
254	Data reduction methods for single-mode optical interferometry. <i>Astronomy and Astrophysics</i> , 2004 , 425, 1161-1174	5.1	60
253	VLT/VINCI observations of the nucleus of NGC 1068 using the adaptive optics system MACAO. <i>Astronomy and Astrophysics</i> , 2004 , 418, L39-L42	5.1	60
252	Extended envelopes around Galactic Cepheids. <i>Astronomy and Astrophysics</i> , 2006 , 448, 623-631	5.1	58
251	The angular sizes of dwarf stars and subgiants. <i>Astronomy and Astrophysics</i> , 2008 , 491, 855-858	5.1	56
250	The projection factor of ϵ Cephei. <i>Astronomy and Astrophysics</i> , 2005 , 438, L9-L12	5.1	53
249	The radii of the nearby K5V and K7V stars 61 Cygni A & B. <i>Astronomy and Astrophysics</i> , 2008 , 488, 667-674	5.1	53
248	The polar wind of the fast rotating Be star Achernar. <i>Astronomy and Astrophysics</i> , 2006 , 453, 1059-1066	5.1	52
247	Self consistent modelling of the projection factor for interferometric distance determination. <i>Astronomy and Astrophysics</i> , 2004 , 428, 131-137	5.1	51
246	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2009 , 504, 115-125	5.1	51
245	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	50
244	Robust high-contrast companion detection from interferometric observations. <i>Astronomy and Astrophysics</i> , 2015 , 579, A68	5.1	50
243	Gravitational-darkening of Altair from interferometry. <i>Astronomy and Astrophysics</i> , 2005 , 442, 567-578	5.1	49
242	The limb darkening of α Centauri B. <i>Astronomy and Astrophysics</i> , 2006 , 446, 635-641	5.1	47
241	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2011 , 531, A117	5.1	46
240	Hot exozodiacal dust resolved around Vega with IOTA/IONIC. <i>Astronomy and Astrophysics</i> , 2011 , 534, A5	5.1	46

239	The interferometric diameter and internal structure of Sirius A. <i>Astronomy and Astrophysics</i> , 2003 , 408, 681-688	5.1	46
238	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	46
237	ALMA observations of the nearby AGB star L2 Puppis. <i>Astronomy and Astrophysics</i> , 2016 , 596, A92	5.1	45
236	The dust disk and companion of the nearby AGB star L2 Puppis. <i>Astronomy and Astrophysics</i> , 2015 , 578, A77	5.1	44
235	Extended Envelopes around Galactic Cepheids. III. Y Ophiuchi and η Persei from Near-Infrared Interferometry with CHARA/FLUOR. <i>Astrophysical Journal</i> , 2007 , 664, 1093-1101	4.7	44
234	A near-infrared interferometric survey of debris disc stars. <i>Astronomy and Astrophysics</i> , 2008 , 487, 1041-1054	5.1	43
233	High-resolution spectroscopy for Cepheids distance determination. <i>Astronomy and Astrophysics</i> , 2009 , 502, 951-956	5.1	43
232	VLT/VINCI diameter constraints on the evolutionary status of ϵ Eri, η Iya, Boo. <i>Astronomy and Astrophysics</i> , 2005 , 436, 253-262	5.1	43
231	A binary engine fuelling HD 87643's complex circumstellar environment. <i>Astronomy and Astrophysics</i> , 2009 , 507, 317-326	5.1	41
230	The radii and limb darkenings of η Centauri A and B. <i>Astronomy and Astrophysics</i> , 2017 , 597, A137	5.1	40
229	Benchmark stars for Gaia Fundamental properties of the Population II star HD 140283 from interferometric, spectroscopic, and photometric data. <i>Astronomy and Astrophysics</i> , 2015 , 575, A26	5.1	39
228	Testing Systematics of Gaia DR2 Parallaxes with Empirical Surface Brightness: Color Relations Applied to Eclipsing Binaries. <i>Astrophysical Journal</i> , 2019 , 872, 85	4.7	38
227	Peering into the formation history of ρ Pictoris b with VLT/GRAVITY long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2020 , 633, A110	5.1	38
226	Calibration of the Barnes-Evans Relation Using Interferometric Observations of Cepheids. <i>Astronomical Journal</i> , 2002 , 123, 3380-3386	4.9	38
225	GRAVITY: getting to the event horizon of Sgr A* 2008 ,		37
224	Cepheid distances from the SpectroPhoto-Interferometry of Pulsating Stars (SPIPS). <i>Astronomy and Astrophysics</i> , 2015 , 584, A80	5.1	36
223	The environment of the fast rotating star Achernar. <i>Astronomy and Astrophysics</i> , 2014 , 569, A10	5.1	36
222	The circumstellar envelopes of the Cepheids ϵ Carinae and RS Puppis. <i>Astronomy and Astrophysics</i> , 2009 , 498, 425-443	5.1	36

221	Optimized Trajectories to the Nearest Stars Using Lightweight High-velocity Photon Sails. <i>Astronomical Journal</i> , 2017 , 154, 115	4.9	35
220	The Structure of Chariklo's Rings from Stellar Occultations. <i>Astronomical Journal</i> , 2017 , 154, 144	4.9	35
219	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2018 , 609, A67	5.1	35
218	Three-dimensional interferometric, spectrometric, and planetary views of Procyon. <i>Astronomy and Astrophysics</i> , 2012 , 540, A5	5.1	34
217	Close stellar conjunctions of α Centauri A and B until 2050. <i>Astronomy and Astrophysics</i> , 2016 , 594, A107	5.1	34
216	The diameter of the CoRoT target HD 49933. <i>Astronomy and Astrophysics</i> , 2011 , 534, L3	5.1	33
215	Retrieving scattering clouds and disequilibrium chemistry in the atmosphere of HR 8799e. <i>Astronomy and Astrophysics</i> , 2020 , 640, A131	5.1	33
214	Observational calibration of the projection factor of Cepheids. <i>Astronomy and Astrophysics</i> , 2016 , 587, A117	5.1	33
213	The Angular Size of the Cepheid Carinae: A Comparison of the Interferometric and Surface Brightness Techniques. <i>Astrophysical Journal</i> , 2004 , 604, L113-L116	4.7	32
212	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2016 , 585, A28	5.1	32
211	An edge-on translucent dust disk around the nearest AGB star, L2Puppis. <i>Astronomy and Astrophysics</i> , 2014 , 564, A88	5.1	31
210	(Sub)stellar companions shape the winds of evolved stars. <i>Science</i> , 2020 , 369, 1497-1500	33.3	31
209	Multiplicity of Galactic Cepheids and RR Lyrae stars from Gaia DR2. <i>Astronomy and Astrophysics</i> , 2019 , 623, A116	5.1	30
208	ALMA sub-mm maser and dust distribution of VY Canis Majoris. <i>Astronomy and Astrophysics</i> , 2014 , 572, L9	5.1	30
207	Multiplicity of Galactic Cepheids from long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2013 , 552, A21	5.1	30
206	VINCI, the VLTI commissioning instrument: status after one year of operations at Paranal 2003 , 4838, 858		30
205	Cepheid distances from infrared long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2004 , 423, 327-333	5.1	30
204	An Updated 2017 Astrometric Solution for Betelgeuse. <i>Astronomical Journal</i> , 2017 , 154, 11	4.9	29

203	The expanding dusty bipolar nebula around the nova V1280 Scorpi. <i>Astronomy and Astrophysics</i> , 2012 , 545, A63	5.1	28
202	Surface convection and red-giant radius measurements. <i>Astronomy and Astrophysics</i> , 2011 , 526, A100	5.1	27
201	Multiple shock waves in the atmosphere of the Cepheid X Sagittarii?. <i>Astronomy and Astrophysics</i> , 2006 , 457, 575-579	5.1	27
200	Modeling the orbital motion of Sgr A* near-infrared flares. <i>Astronomy and Astrophysics</i> , 2020 , 635, A143	5.1	26
199	The EChO science case. <i>Experimental Astronomy</i> , 2015 , 40, 329-391	1.3	26
198	The long-period Galactic Cepheid RS Puppis. <i>Astronomy and Astrophysics</i> , 2008 , 480, 167-178	5.1	26
197	Mass and p-factor of the Type II Cepheid OGLE-LMC-T2CEP-098 in a Binary System. <i>Astrophysical Journal</i> , 2017 , 842, 110	4.7	25
196	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	25
195	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	25
194	The VLT Interferometer: a unique instrument for high-resolution astronomy 2000 ,		25
193	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	25
192	ALMA observations of the nearby AGB star L2 Puppis. <i>Astronomy and Astrophysics</i> , 2017 , 601, A5	5.1	24
191	Observational calibration of the projection factor of Cepheids. <i>Astronomy and Astrophysics</i> , 2017 , 600, A127	5.1	24
190	GRAVITY: a four-telescope beam combiner instrument for the VLTI 2010 ,		24
189	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2016 , 588, A130	5.1	24
188	Resolved astrometric orbits of ten O-type binaries. <i>Astronomy and Astrophysics</i> , 2017 , 601, A34	5.1	24
187	The Milky Way Cepheid Leavitt law based on Gaia DR2 parallaxes of companion stars and host open cluster populations. <i>Astronomy and Astrophysics</i> , 2020 , 643, A115	5.1	24
186	The angular diameter and distance of the Cepheid ϵ Geminorum. <i>Astronomy and Astrophysics</i> , 2001 , 367, 876-883	5.1	24

185	Size and Shape of Chariklo from Multi-epoch Stellar Occultations. <i>Astronomical Journal</i> , 2017 , 154, 159	4.9	23
184	The VLTI -- A Status Report 2003 , 4838, 89		23
183	Prevalence of SED Turndown among Classical Be Stars: Are All Be Stars Close Binaries?. <i>Astrophysical Journal</i> , 2019 , 885, 147	4.7	23
182	The inhomogeneous submillimeter atmosphere of Betelgeuse. <i>Astronomy and Astrophysics</i> , 2017 , 602, L10	5.1	22
181	The Araucaria Project: High-precision Cepheid Astrophysics from the Analysis of Variables in Double-lined Eclipsing Binaries. <i>Astrophysical Journal</i> , 2018 , 862, 43	4.7	22
180	Multiplicity of Galactic Cepheids and RR Lyrae stars from Gaia DR2. <i>Astronomy and Astrophysics</i> , 2019 , 623, A117	5.1	22
179	VLT/SPHERE- and ALMA-based shape reconstruction of asteroid (3) Juno. <i>Astronomy and Astrophysics</i> , 2015 , 581, L3	5.1	22
178	Orbital inclination and mass of the exoplanet candidate Proxima c. <i>Astronomy and Astrophysics</i> , 2020 , 635, L14	5.1	22
177	Direct confirmation of the radial-velocity planet β Pictoris c. <i>Astronomy and Astrophysics</i> , 2020 , 642, L2	5.1	22
176	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	22
175	Constraining the Nature of the PDS 70 Protoplanets with VLTI/GRAVITY *. <i>Astronomical Journal</i> , 2021 , 161, 148	4.9	22
174	Observational calibration of the projection factor of Cepheids. <i>Astronomy and Astrophysics</i> , 2017 , 608, A18	5.1	21
173	Investigating Cepheid β Carinae's cycle-to-cycle variations via contemporaneous velocimetry and interferometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 4231-4248	4.3	21
172	The environment of the fast rotating star Achernar. <i>Astronomy and Astrophysics</i> , 2007 , 474, L49-L52	5.1	21
171	The red dwarf pair GJ65 AB: inflated, spinning twins of Proxima. <i>Astronomy and Astrophysics</i> , 2016 , 593, A127	5.1	21
170	HARPS-N high spectral resolution observations of Cepheids I. The Baade-Wesselink projection factor of β Cep revisited. <i>Astronomy and Astrophysics</i> , 2017 , 597, A73	5.1	20
169	Beyond the diffraction limit of optical/IR interferometers. <i>Astronomy and Astrophysics</i> , 2012 , 545, A130	5.1	20
168	The close-in companion of the fast rotating Be star Achernar. <i>Astronomy and Astrophysics</i> , 2008 , 484, L13-L16	5.1	20

167	Improved GRAVITY astrometric accuracy from modeling optical aberrations. <i>Astronomy and Astrophysics</i> , 2021 , 647, A59	5.1	20
166	Multiplicity of Galactic Cepheids from long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2014 , 561, L3	5.1	19
165	Asteroseismology and interferometry of the red giant star γ Ophiuchi. <i>Astronomy and Astrophysics</i> , 2009 , 503, 521-531	5.1	19
164	First observations with an H-band integrated optics beam combiner at the VLTI. <i>Astronomy and Astrophysics</i> , 2004 , 424, 719-726	5.1	19
163	The Late-type Eclipsing Binaries in the Large Magellanic Cloud: Catalog of Fundamental Physical Parameters. <i>Astrophysical Journal</i> , 2018 , 860, 1	4.7	19
162	Thermal infrared properties of classical and type II Cepheids. <i>Astronomy and Astrophysics</i> , 2012 , 538, A24	5.1	18
161	The radius and effective temperature of the binary α Centauri B from CHARA/FLUOR and VLT/NACO observations. <i>Astronomy and Astrophysics</i> , 2010 , 512, A55	5.1	18
160	Flares and variability from Sagittarius A*: five nights of simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012 , 540, A41	5.1	18
159	The flux distribution of Sgr A*. <i>Astronomy and Astrophysics</i> , 2020 , 638, A2	5.1	18
158	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	4.7	17
157	Physical, spectral, and dynamical properties of asteroid (107) Camilla and its satellites. <i>Icarus</i> , 2018 , 309, 134-161	3.8	17
156	VINCI: the VLT Interferometer commissioning instrument 2000 , 4006, 31		17
155	Unveiling the ρ Pictoris system, coupling high contrast imaging, interferometric, and radial velocity data. <i>Astronomy and Astrophysics</i> , 2020 , 642, A18	5.1	17
154	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	4.7	17
153	Extended envelopes around Galactic Cepheids. <i>Astronomy and Astrophysics</i> , 2013 , 558, A140	5.1	16
152	Observational calibration of the projection factor of Cepheids. <i>Astronomy and Astrophysics</i> , 2015 , 576, A64	5.1	16
151	A dusty veil shading Betelgeuse during its Great Dimming. <i>Nature</i> , 2021 , 594, 365-368	50.4	16
150	A Geometrical 1% Distance to the Short-period Binary Cepheid V1334 Cygni. <i>Astrophysical Journal</i> , 2018 , 867, 121	4.7	16

- 149 Reaching micro-arcsecond astrometry with long baseline optical interferometry. *Astronomy and Astrophysics*, **2014**, 567, A75 5.1 15
- 148 The long-period Galactic Cepheid RS Puppis. *Astronomy and Astrophysics*, **2014**, 572, A7 5.1 15
- 147 Mean angular diameters, distances, and pulsation modes of the classical Cepheids FF Aquilae and T Vulpeculae. *Astronomy and Astrophysics*, **2012**, 541, A87 5.1 15
- 146 The Baade-Wesselink-factor applicable to LMC Cepheids. *Astronomy and Astrophysics*, **2011**, 534, L16 5.1 15
- 145 The VLTI \mathcal{A} Status Report. *Astrophysics and Space Science*, **2003**, 286, 35-44 1.6 15
- 144 The gravitational mass of Proxima Centauri measured with SPHERE from a microlensing event. *Monthly Notices of the Royal Astronomical Society*, **2018**, 480, 236-244 4.3 14
- 143 Multiplicity of Galactic Cepheids from long-baseline interferometry. *Astronomy and Astrophysics*, **2019**, 622, A164 5.1 14
- 142 Submilliarcsecond Optical Interferometry of the High-mass X-Ray Binary BP Cru with VLTI/GRAVITY. *Astrophysical Journal*, **2017**, 844, 72 4.7 14
- 141 Dynamically important magnetic fields near the event horizon of Sgr A*. *Astronomy and Astrophysics*, **2020**, 643, A56 5.1 14
- 140 Discovery of a complex linearly polarized spectrum of Betelgeuse dominated by depolarization of the continuum. *Astronomy and Astrophysics*, **2016**, 591, A119 5.1 14
- 139 The inner dust shell of Betelgeuse detected by polarimetric aperture-masking interferometry. *Astronomy and Astrophysics*, **2019**, 628, A101 5.1 14
- 138 Fundamental properties of red-clump stars from long-baseline H-band interferometry. *Astronomy and Astrophysics*, **2018**, 616, A68 5.1 14
- 137 The nearby eclipsing stellar system \mathcal{V} ellorum. *Astronomy and Astrophysics*, **2011**, 528, A21 5.1 13
- 136 A realistic two-dimensional model of Altair. *Astronomy and Astrophysics*, **2020**, 633, A78 5.1 12
- 135 Spatially extended emission around the Cepheid RS Puppis in near-infrared hydrogen lines. *Astronomy and Astrophysics*, **2011**, 527, A51 5.1 11
- 134 Interferometric radius and limb darkening of the asteroseismic red giant \mathcal{S} erpentis with the CHARA Array. *Astronomy and Astrophysics*, **2010**, 517, A64 5.1 11
- 133 GRAVITY: Astrometry on the galactic center and beyond. *New Astronomy Reviews*, **2009**, 53, 301-306 7.9 11
- 132 The environment of the fast rotating star Achernar. *Astronomy and Astrophysics*, **2009**, 493, L53-L56 5.1 11

131	Searching for visual companions of close Cepheids. <i>Astronomy and Astrophysics</i> , 2014 , 567, A60	5.1	11
130	VEGA/CHARA interferometric observations of Cepheids. <i>Astronomy and Astrophysics</i> , 2016 , 593, A45	5.1	11
129	Detection of faint stars near Sagittarius A* with GRAVITY. <i>Astronomy and Astrophysics</i> , 2021 , 645, A127	5.1	11
128	Evolution of the magnetic field of Betelgeuse from 2009–2017. <i>Astronomy and Astrophysics</i> , 2018 , 615, A116	5.1	11
127	PEGASE, an infrared interferometer to study stellar environments and low mass companions around nearby stars. <i>Experimental Astronomy</i> , 2009 , 23, 403-434	1.3	10
126	VLT technical advances: present and future 2004 ,		10
125	Phase-referenced imaging and micro-arcsecond astrometry with the VLT 2000 ,		10
124	Mass distribution in the Galactic Center based on interferometric astrometry of multiple stellar orbits. <i>Astronomy and Astrophysics</i> , 2022 , 657, L12	5.1	10
123	Stellar and substellar companions from Gaia EDR3. Proper motion anomaly and resolved common proper-motion pairs. <i>Astronomy and Astrophysics</i> ,	5.1	10
122	Searching for Planets Orbiting θ Cen A with the James Webb Space Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2020 , 132, 015002	5	10
121	Inspecting the Cepheid Distance Ladder: the Hubble Space Telescope Distance to the SN Ia Host Galaxy NGC 5584. <i>Astrophysical Journal</i> , 2021 , 911, 12	4.7	10
120	Luminous blue variables: An imaging perspective on their binarity and near environment. <i>Astronomy and Astrophysics</i> , 2016 , 587, A115	5.1	10
119	Multiple star systems in the Orion nebula. <i>Astronomy and Astrophysics</i> , 2018 , 620, A116	5.1	10
118	A thin shell of ionized gas as the explanation for infrared excess among classical Cepheids. <i>Astronomy and Astrophysics</i> , 2020 , 633, A47	5.1	9
117	GRAVITY data reduction software 2014 ,		9
116	TESS Observations of Cepheid Stars: First Light Results. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 253, 11	8	9
115	Accretion-ejection morphology of the microquasar SS 433 resolved at sub-au scale. <i>Astronomy and Astrophysics</i> , 2017 , 602, L11	5.1	8
114	Inner dusty envelope of the AGB stars W Hydrae, SW Virginis, and R Crateris using SPHERE/ZIMPOL. <i>Astronomy and Astrophysics</i> , 2020 , 635, A200	5.1	8

113	ATOMIUM: A high-resolution view on the highly asymmetric wind of the AGB star ϵ Gruis. <i>Astronomy and Astrophysics</i> , 2020 , 644, A61	5.1	8
112	Deep imaging survey of the environment of β Centauri. <i>Astronomy and Astrophysics</i> , 2006 , 459, 669-678	5.1	8
111	Constraining particle acceleration in Sgr A* with simultaneous GRAVITY, Spitzer, NuSTAR, and Chandra observations. <i>Astronomy and Astrophysics</i> ,	5.1	8
110	The Araucaria project: High-precision orbital parallax and masses of eclipsing binaries from infrared interferometry. <i>Astronomy and Astrophysics</i> , 2019 , 632, A31	5.1	8
109	GCIRS 7, a pulsating M1 supergiant at the Galactic centre. <i>Astronomy and Astrophysics</i> , 2014 , 568, A85	5.1	7
108	The long-period Galactic Cepheid RS Puppis. <i>Astronomy and Astrophysics</i> , 2012 , 541, A18	5.1	7
107	The nearby eclipsing stellar system γ Velorum. <i>Astronomy and Astrophysics</i> , 2011 , 532, A50	5.1	7
106	Searching for the near-infrared counterpart of Proxima c using multi-epoch high-contrast SPHERE data at VLT. <i>Astronomy and Astrophysics</i> , 2020 , 638, A120	5.1	7
105	High-resolution thermal infrared imaging of MWC300. <i>Astronomy and Astrophysics</i> , 2008 , 480, L29-L32	5.1	7
104	Imaging low-mass planets within the habitable zone of β Centauri. <i>Nature Communications</i> , 2021 , 12, 922	17.4	7
103	Single-mode waveguides for GRAVITY. <i>Astronomy and Astrophysics</i> , 2018 , 614, A70	5.1	7
102	GRAVITY: Microarcsecond Astrometry and Deep Interferometric Imaging with the VLT. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2009 , 361-365	0.3	7
101	Consistent radial velocities of classical Cepheids from the cross-correlation technique. <i>Astronomy and Astrophysics</i> , 2019 , 631, A37	5.1	6
100	The nearby eclipsing stellar system γ Velorum. <i>Astronomy and Astrophysics</i> , 2009 , 493, 107-114	5.1	6
99	Toward a revival of stellar intensity interferometry 2008 ,		6
98	Interferometric observations of ϵ Carinae with VINCI/VLTI. <i>Astronomy and Astrophysics</i> , 2007 , 464, 1045-1047		6
97	Preparing MIDI science operation at VLTI 2004 ,		6
96	Resolving asymmetries along the pulsation cycle of the Mira star X Hydrae. <i>Astronomy and Astrophysics</i> , 2015 , 582, A71	5.1	6

95	Pulsating chromosphere of classical Cepheids. <i>Astronomy and Astrophysics</i> , 2020 , 641, A74	5.1	6
94	Interferometric observations of the multiple stellar system ϵ Velorum. <i>Astronomy and Astrophysics</i> , 2007 , 469, 633-637	5.1	6
93	The convective surface of the red supergiant Antares. <i>Astronomy and Astrophysics</i> , 2017 , 605, A108	5.1	5
92	The nearby eclipsing stellar system ϵ Velorum. <i>Astronomy and Astrophysics</i> , 2013 , 552, A18	5.1	5
91	Asymmetries on red giant branch surfaces from CHARA/MIRC optical interferometry. <i>Astronomy and Astrophysics</i> , 2017 , 600, L2	5.1	5
90	Multiplicity of Galactic Cepheids from long-baseline interferometry III. Sub-percent limits on the relative brightness of a close companion of ϵ Cephei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 1451-1456	4.3	5
89	Binary Cepheids from optical interferometry. <i>EAS Publications Series</i> , 2013 , 64, 197-204	0.2	4
88	Status and new operation modes of the versatile VLT/NaCo 2010 ,		4
87	Increasing the imaging capabilities of the VLTI using integrated optics 2003 , 4838, 312		4
86	Hubble Space Telescope Snapshot Survey for Resolved Companions of Galactic Cepheids: Final Results Based on observations with the NASA/ESA Hubble Space Telescope, obtained at the Space Telescope Science Institute, which is operated by the Association of Universities for Research in Astronomy, Inc., under NASA contract NASA5-26555. Based on observations made with the	4.7	4
85	Stellar Occultation by the Resonant Trans-Neptunian Object (523764) 2014 WC510 Reveals a Close Binary TNO. <i>Planetary Science Journal</i> , 2020 , 1, 48	2.9	4
84	VLTI/PIONIER images the Achernar disk swell. <i>Astronomy and Astrophysics</i> , 2017 , 601, A118	5.1	4
83	Deep imaging survey of the environment of β Centauri. <i>Astronomy and Astrophysics</i> , 2007 , 464, 373-375	5.1	4
82	The inner circumstellar dust of the red supergiant Antares as seen with VLT/SPHERE/ZIMPOL. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 369-382	4.3	4
81	The science of EChO. <i>Proceedings of the International Astronomical Union</i> , 2010 , 6, 359-370	0.1	3
80	VEGA: a visible spectrograph and polarimeter for CHARA 2006 ,		3
79	Precision Millimeter Astrometry of the β Centauri AB System. <i>Astronomical Journal</i> , 2021 , 162, 14	4.9	3
78	Limb Darkening: Getting Warmer 2007 , 71-82		3

77	The surface brightness-colour relations based on eclipsing binary stars and calibrated with Gaia EDR3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A109	5.1	3
76	Interstellar Now! Missions to Explore Nearby Interstellar Objects. <i>Advances in Space Research</i> , 2021 , 69, 402-402	2.4	3
75	GRAVITY chromatic imaging of κ Car core. <i>Astronomy and Astrophysics</i> , 2018 , 618, A125	5.1	3
74	The mass of beta Pictoris c from beta Pictoris b orbital motion. <i>Astronomy and Astrophysics</i> ,	5.1	3
73	X-Ray Observations of the Peculiar Cepheid V473 Lyr Identify A Low-mass Companion. <i>Astronomical Journal</i> , 2020 , 159, 121	4.9	2
72	Obtaining accurate radial velocities for Cepheid companions using the STIS echelles. <i>EPJ Web of Conferences</i> , 2017 , 152, 04003	0.3	2
71	Physical parameters and $\pm 0.2\%$ parallax of the detached eclipsing binary V923 Scorpii. <i>Astronomy and Astrophysics</i> , 2018 , 616, A49	5.1	2
70	The close environment of high-mass X-ray binaries at high angular resolution. <i>Astronomy and Astrophysics</i> , 2014 , 561, A46	5.1	2
69	Circumstellar envelopes of Cepheids: a possible bias affecting the distance scale?. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 157-160	0.1	2
68	VEGA: a new visible spectrograph and polarimeter on the CHARA Array 2008 ,		2
67	VEGA: a visible spectrograph and polarimeter for CHARA - science cases description 2006 ,		2
66	Atmospheric and internal turbulence measured on the Very Large Telescope Interferometer with VINCI 2003 , 4838, 1115		2
65	VLTI science operations at Paranal 2004 ,		2
64	Optimal interferometric data acquisition and processing: towards 0.1% precision with the single-mode beam combiner VINCI 2004 ,		2
63	Data flow system for the very large telescope interferometer 2001 ,		2
62	VLT Interferometer Data Flow System: from observation preparation to data processing 2002 ,		2
61	Calibrating the surface brightness-color relation for late-type red giants stars in the visible domain using VEGA/CHARA interferometric observations. <i>Astronomy and Astrophysics</i> , 2020 , 639, A67	5.1	2
60	The wind and the magnetospheric accretion onto the T Tauri star S Coronae Australis at sub-au resolution. <i>Astronomy and Astrophysics</i> , 2017 , 608, A78	5.1	2

59	Low-cost precursor of an interstellar mission. <i>Astronomy and Astrophysics</i> , 2020 , 641, A45	5.1	2
58	Exploring the water and carbon monoxide shell around Betelgeuse with VLTI/AMBER. <i>EAS Publications Series</i> , 2013 , 60, 167-172	0.2	2
57	The Nearby AGB Star L2Puppis: The Birth Of a Planetary Nebula?. <i>EAS Publications Series</i> , 2015 , 71-72, 211-216	0.2	2
56	MOLsphere and pulsations of the Galactic Center red supergiant GCIRS 7 from VLTI/GRAVITY. <i>Astronomy and Astrophysics</i> , 2021 , 651, A37	5.1	2
55	The Araucaria Project. Distances to Nine Galaxies Based on a Statistical Analysis of their Carbon Stars (JAGB Method). <i>Astrophysical Journal</i> , 2021 , 916, 19	4.7	2
54	GRAVITY K-band spectroscopy of HD 206893 B. <i>Astronomy and Astrophysics</i> , 2021 , 652, A57	5.1	2
53	The GRAVITY Young Stellar Object survey. VII. The inner dusty disks of T Tauri stars. <i>Astronomy and Astrophysics</i> ,	5.1	2
52	Four years of interferometric observations of Galactic binary Cepheids. <i>EPJ Web of Conferences</i> , 2017 , 152, 03007	0.3	1
51	The Convection of Close Red Supergiant Stars Observed With Near-Infrared Interferometry. <i>EAS Publications Series</i> , 2015 , 71-72, 243-247	0.2	1
50	The IPoP method to measure Cepheid distances. <i>Proceedings of the International Astronomical Union</i> , 2013 , 9, 389-390	0.1	1
49	Development of a high-dynamic range imaging instrument for a single telescope by a pupil remapping system 2010 ,		1
48	Toward improving the accuracy of Cepheid distances through parallax of pulsation. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 183-186	0.1	1
47	Observations of Achernar with VINCI. <i>New Astronomy Reviews</i> , 2007 , 51, 706-710	7.9	1
46	GRAVITY: microarcsecond astrometry and deep interferometric imaging with the VLTI. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 100-101	0.1	1
45	Detection of the inner-debris disk of Vega with CHARA/FLUOR 2006 ,		1
44	VINCI/VLTI Observations of Main Sequence Stars. <i>Symposium - International Astronomical Union</i> , 2004 , 219, 80-84		1
43	VINCI/VLTI Interferometric Observations of Cepheids. <i>International Astronomical Union Colloquium</i> , 2004 , 193, 520-524		1
42	Near-IR Observations of Vega-like Stars with the VLTI: ϵ Pic, θ PsA, γ Eri and ζ Cet. <i>Symposium - International Astronomical Union</i> , 2004 , 219, 75-79		1

41	Interferometric Observations of κ Carinae - the VLTI Takes Its First Glimpse at the Central Source. <i>International Astronomical Union Colloquium</i> , 2002 , 187, 99-105		1
40	The VINCI instrument software in the very large telescope environment. <i>IEEE Transactions on Nuclear Science</i> , 2002 , 49, 483-490	1.7	1
39	ATOMIUM: ALMA tracing the origins of molecules in dust forming oxygen rich M-type stars. Motivation, sample, calibration, and initial results. <i>Astronomy and Astrophysics</i> ,	5.1	1
38	The inner hot dust in the torus of NGC 1068. A 3D radiative model constrained with GRAVITY/VLTI. <i>Astronomy and Astrophysics</i> ,	5.1	1
37	Mid-infrared circumstellar emission of the long-period Cepheid κ Carinae resolved with VLTI/MATISSE. <i>Astronomy and Astrophysics</i> , 2021 , 651, A92	5.1	1
36	Extended envelopes around Galactic Cepheids. <i>Astronomy and Astrophysics</i> , 2021 , 651, A113	5.1	1
35	CRIRES high-resolution infrared spectroscopy of the long-period Cepheid ι Carinae. <i>Astronomy and Astrophysics</i> , 2018 , 616, A92	5.1	1
34	X-Rays in Cepheids: XMM-Newton Observations of κ Aql*. <i>Astronomical Journal</i> , 2021 , 162, 92	4.9	1
33	The GRAVITY Young Stellar Object survey. VII. Gas and dust faint inner rings in the hybrid disk of HD141569. <i>Astronomy and Astrophysics</i> ,	5.1	1
32	Toward a renewed Galactic Cepheid distance scale from Gaia and optical interferometry. <i>EPJ Web of Conferences</i> , 2017 , 152, 07002	0.3	0
31	Deep images of the Galactic center with GRAVITY. <i>Astronomy and Astrophysics</i> , 2022 , 657, A82	5.1	0
30	An Absolute Calibration of the Near-infrared Period-Luminosity Relations of Type II Cepheids in the Milky Way and in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2022 , 927, 89	4.7	0
29	The atmosphere, the p-factor and the bright visible circumstellar environment of the prototype of classical Cepheids κ Cep. <i>EPJ Web of Conferences</i> , 2017 , 152, 07003	0.3	
28	Optical interferometry and Gaia parallaxes for a robust calibration of the Cepheid distance scale. <i>Proceedings of the International Astronomical Union</i> , 2017 , 12, 305-308	0.1	
27	Spectro-Photo-Interferometry of Stellar Pulsation (SPIPS). <i>EPJ Web of Conferences</i> , 2017 , 152, 03008	0.3	
26	Evidences for a large hot spot on the disk of Betelgeuse (θ Ori). <i>Proceedings of the International Astronomical Union</i> , 2014 , 9, 273-279	0.1	
25	A spectro-interferometric view of κ Carinae's modulated pulsations. <i>Proceedings of the International Astronomical Union</i> , 2015 , 11, 501-504	0.1	
24	Cepheid pulsations resolved by interferometry. <i>EAS Publications Series</i> , 2014 , 69-70, 249-256	0.2	

23	Probing the stellar wind geometry in Vela X-1 with infrared interferometry. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 197-198	0.1
22	Towards a coherent view at infrared wavelengths of mass loss in Betelgeuse. <i>EAS Publications Series</i> , 2013 , 60, 199-205	0.2
21	Interferometry, spectroscopy and high precision astrometry of β Velorum. <i>EAS Publications Series</i> , 2013 , 64, 189-196	0.2
20	An interferometric view on binarity and circumstellar envelopes of Cepheids. <i>Proceedings of the International Astronomical Union</i> , 2013 , 9, 411-412	0.1
19	Prospects for a Multi-Wavelength Characterization of Cepheid Envelopes. <i>EAS Publications Series</i> , 2009 , 38, 143-149	0.2
18	SpS5 - III. Matter ejection and feedback. <i>Proceedings of the International Astronomical Union</i> , 2012 , 10, 429-438	0.1
17	Stellar radii from long-baseline interferometry. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 405-411	0.1
16	Preparing an ESO proposal. <i>New Astronomy Reviews</i> , 2007 , 51, 658-665	7.9
15	Interferometric Constraints on Gravity Darkening with Application to the Modeling of Spica A & B. <i>Proceedings of the International Astronomical Union</i> , 2006 , 2, 271-280	0.1
14	Ground interferometric searches. <i>Symposium - International Astronomical Union</i> , 2004 , 202, 417-424	
13	GENIE: a Ground-Based European Nulling Instrument at ESO Very Large Telescope Interferometer 2007 , 445-456	
12	Interferometric Aperture Synthesis of Altair: Gravity Darkening and Inclination Angle 2007 , 487-488	
11	Cepheid Distances from Interferometry 2007 , 83-94	
10	New Facts about β Velorum: Fewer but Larger Components 2008 , 119-123	
9	The VLTI β A Status Report 2003 , 35-44	
8	Cepheids Observations Using CHARA/FLUOR: β UMi and β ep. <i>Globular Clusters - Guides To Galaxies</i> , 2007 , 99-103	
7	Evolutionary Modeling of Nearby Stars Using Asteroseismic and Interferometric Constraints. <i>Globular Clusters - Guides To Galaxies</i> , 2007 , 479-480	
6	Fundamental Parameters of Delta Velorum, a Quintuple Stellar System. <i>Globular Clusters - Guides To Galaxies</i> , 2007 , 531-532	

- 5 Eta Car through the Eyes of Interferometers. *Globular Clusters - Guides To Galaxies*, **2007**, 131-141
- 4 Binary Cepheids From High-Angular Resolution. *EAS Publications Series*, **2015**, 71-72, 187-188 0.2
- 3 Interferometry to Determine Stellar Shapes: Application to Achernar. *Lecture Notes in Physics*, **2016**, 127-135
- 2 Long-Baseline Interferometric Observations of Cepheids. *Thirty Years of Astronomical Discovery With UKIRT*, **2013**, 151-154 0.3
- 1 Signs of rotating equatorial density enhancements around SRb pulsators. *Proceedings of the International Astronomical Union*, **2018**, 14, 421-422 0.1