

Arthur Vigan

List of Publications by Year in descending order

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194
papers

7,701
citations

53794

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71685

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3144
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#	ARTICLE	IF	CITATIONS
1	Signs of late infall and possible planet formation around DR Tau using VLT/SPHERE and LBT/LMIRCam. <i>Astronomy and Astrophysics</i> , 2022, 658, A63.	5.1	6
2	A SPHERE survey of self-shadowed planet-forming disks. <i>Astronomy and Astrophysics</i> , 2022, 658, A137.	5.1	27
3	Dynamical masses for two M1 + mid-M dwarf binaries monitored during the SPHERE-SHINE survey. <i>Astronomy and Astrophysics</i> , 2022, 658, A145.	5.1	9
4	Calibration of quasi-static aberrations in exoplanet direct-imaging instruments with a Zernike phase-mask sensor. <i>Astronomy and Astrophysics</i> , 2022, 660, A140.	5.1	6
5	An extended scattered light disk around AT Pyx. <i>Astronomy and Astrophysics</i> , 2022, 662, A74.	5.1	3
6	New binaries from the SHINE survey. <i>Astronomy and Astrophysics</i> , 2022, 663, A144.	5.1	12
7	Two Rings and a Marginally Resolved, 5 au Disk around LkCa 15 Identified via Near-infrared Sparse Aperture Masking Interferometry. <i>Astrophysical Journal</i> , 2022, 931, 3.	4.5	10
8	Three New Late-type Stellar Companions to Very Dusty WISE Debris Disks Identified with SPHERE Imaging. <i>Astronomical Journal</i> , 2021, 161, 78.	4.7	2
9	A high-contrast search for variability in HR 8799bc with VLT-SPHERE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 743-767.	4.4	17
10	Constraining the Nature of the PDS 70 Protoplanets with VLT/GRAVITY [^] . <i>Astronomical Journal</i> , 2021, 161, 148.	4.7	59
11	BEAST begins: sample characteristics and survey performance of the B-star Exoplanet Abundance Study. <i>Astronomy and Astrophysics</i> , 2021, 646, A164.	5.1	19
12	Imaging low-mass planets within the habitable zone of ϵ Centauri. <i>Nature Communications</i> , 2021, 12, 922.	12.8	29
13	Direct characterization of young giant exoplanets at high spectral resolution by coupling SPHERE and CRRES+. <i>Astronomy and Astrophysics</i> , 2021, 646, A150.	5.1	24
14	Investigating three Sirius-like systems with SPHERE. <i>Astronomy and Astrophysics</i> , 2021, 646, A61.	5.1	7
15	Limits on the presence of planets in systems with debris discs: HD 92945 and HD 107146. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1276-1289.	4.4	3
16	A survey of the linear polarization of directly imaged exoplanets and brown dwarf companions with SPHERE-IRDIS. <i>Astronomy and Astrophysics</i> , 2021, 647, A21.	5.1	28
17	A search for a fifth planet around HR 8799 using the star-hopping RDI technique at VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2021, 648, A26.	5.1	27
18	Medium-resolution spectrum of the exoplanet HIP 65426 b. <i>Astronomy and Astrophysics</i> , 2021, 648, A59.	5.1	30

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19	HD 142527: quantitative disk polarimetry with SPHERE. <i>Astronomy and Astrophysics</i> , 2021, 648, A110.	5.1	19
20	Calibration of residual aberrations in exoplanet imagers with large numbers of degrees of freedom. <i>Astronomy and Astrophysics</i> , 2021, 649, A170.	5.1	6
21	Direct imaging and spectroscopy of exoplanets with the ELT/HARMONI high-contrast module. <i>Astronomy and Astrophysics</i> , 2021, 652, A67.	5.1	15
22	Variation on a Zernike wavefront sensor theme: Optimal use of photons. <i>Astronomy and Astrophysics</i> , 2021, 650, L8.	5.1	9
23	The SPHERE infrared survey for exoplanets (SHINE). <i>Astronomy and Astrophysics</i> , 2021, 651, A70.	5.1	39
24	The SPHERE infrared survey for exoplanets (SHINE). <i>Astronomy and Astrophysics</i> , 2021, 651, A71.	5.1	47
25	The SPHERE infrared survey for exoplanets (SHINE). <i>Astronomy and Astrophysics</i> , 2021, 651, A72.	5.1	117
26	Investigating point sources in MWC 758 with SPHERE. <i>Astronomy and Astrophysics</i> , 2021, 652, L8.	5.1	10
27	GRAVITY <i>K</i> -band spectroscopy of HD 206893 B. <i>Astronomy and Astrophysics</i> , 2021, 652, A57.	5.1	12
28	The mass of $\hat{\iota}^2$ Pictoris c from $\hat{\iota}^2$ Pictoris b orbital motion. <i>Astronomy and Astrophysics</i> , 2021, 654, L2.	5.1	33
29	Revealing asymmetrical dust distribution in the inner regions of HD 141569. <i>Astronomy and Astrophysics</i> , 2021, 653, A79.	5.1	8
30	An advanced multipole model for (216) Kleopatra triple system. <i>Astronomy and Astrophysics</i> , 2021, 653, A56.	5.1	12
31	(216) Kleopatra, a low density critically rotating M-type asteroid. <i>Astronomy and Astrophysics</i> , 2021, 653, A57.	5.1	20
32	VLT/SPHERE imaging survey of the largest main-belt asteroids: Final results and synthesis. <i>Astronomy and Astrophysics</i> , 2021, 654, A56.	5.1	50
33	Direct imaging of sub-Jupiter mass exoplanets with <i>James Webb Space Telescope</i> coronagraphy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 1999-2016.	4.4	23
34	Narrow belt of debris around the Sco-Cen star HD 141011. <i>Astronomy and Astrophysics</i> , 2021, 655, A62.	5.1	3
35	A wide-orbit giant planet in the high-mass β Centauri binary system. <i>Nature</i> , 2021, 600, 231-234.	27.8	23
36	A basin-free spherical shape as an outcome of a giant impact on asteroid Hygiea. <i>Nature Astronomy</i> , 2020, 4, 136-141.	10.1	38

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37	Wind-driven halo in high-contrast images. <i>Astronomy and Astrophysics</i> , 2020, 638, A98.	5.1	25
38	Unveiling the α Pictoris system, coupling high contrast imaging, interferometric, and radial velocity data. <i>Astronomy and Astrophysics</i> , 2020, 642, A18.	5.1	38
39	Direct confirmation of the radial-velocity planet α Pictoris c. <i>Astronomy and Astrophysics</i> , 2020, 642, L2.	5.1	61
40	Asteroid (16) Psyche's primordial shape: A possible Jacobi ellipsoid. <i>Astronomy and Astrophysics</i> , 2020, 638, L15.	5.1	25
41	Polarimetric imaging mode of VLT/SPHERE/IRDIS. <i>Astronomy and Astrophysics</i> , 2020, 633, A63.	5.1	67
42	Retrieving scattering clouds and disequilibrium chemistry in the atmosphere of HR 8799e. <i>Astronomy and Astrophysics</i> , 2020, 640, A131.	5.1	107
43	HD 117214 debris disk: scattered-light images and constraints on the presence of planets. <i>Astronomy and Astrophysics</i> , 2020, 635, A19.	5.1	13
44	Detection of Polarization due to Cloud Bands in the Nearby Luhman 16 Brown Dwarf Binary. <i>Astrophysical Journal</i> , 2020, 894, 42.	4.5	23
45	Polarimetric imaging mode of VLT/SPHERE/IRDIS. <i>Astronomy and Astrophysics</i> , 2020, 633, A64.	5.1	81
46	Characterizing brown dwarf companions with IRDIS long-slit spectroscopy: HD 1160B and HD 19467B. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4279-4290.	4.4	8
47	RefPlanets: Search for reflected light from extrasolar planets with SPHERE/ZIMPOL. <i>Astronomy and Astrophysics</i> , 2020, 634, A69.	5.1	14
48	Orbital and spectral characterization of the benchmark T-type brown dwarf HD 19467B. <i>Astronomy and Astrophysics</i> , 2020, 639, A47.	5.1	17
49	The violent collisional history of aqueously evolved (2) Pallas. <i>Nature Astronomy</i> , 2020, 4, 569-576.	10.1	26
50	(704) Interamnia: a transitional object between a dwarf planet and a typical irregular-shaped minor body. <i>Astronomy and Astrophysics</i> , 2020, 633, A65.	5.1	14
51	2MASS J15491331-3539118: a new low-mass wide companion of the GQ Lup system. <i>Astronomy and Astrophysics</i> , 2020, 635, L1.	5.1	13
52	The search for disks or planetary objects around directly imaged companions: a candidate around DH Tauri B. <i>Astronomy and Astrophysics</i> , 2020, 641, A131.	5.1	9
53	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	11
54	K-Stacker: an algorithm to hack the orbital parameters of planets hidden in high-contrast imaging. <i>Astronomy and Astrophysics</i> , 2020, 639, A113.	5.1	6

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55	Disk of 2MASS 15491331+3539118 = GQ Lup C as seen by HST and WISE. <i>Astronomy and Astrophysics</i> , 2020, 635, L11.	5.1	7
56	Increasing the raw contrast of VLT/SPHERE with the dark hole technique. <i>Astronomy and Astrophysics</i> , 2020, 638, A117.	5.1	13
57	Ongoing flyby in the young multiple system UX Tauri. <i>Astronomy and Astrophysics</i> , 2020, 639, L1.	5.1	31
58	Binary asteroid (31) Euphrosyne: ice-rich and nearly spherical. <i>Astronomy and Astrophysics</i> , 2020, 641, A80.	5.1	16
59	Measuring the cophasing state of a segmented mirror with a wavelength sweep and a Zernike phase contrast sensor. <i>Optics Express</i> , 2020, 28, 12566.	3.4	15
60	A Search for Polarized Thermal Emission from Directly Imaged Exoplanets and Brown Dwarf Companions to Nearby Stars. <i>Astronomical Journal</i> , 2020, 160, 286.	4.7	7
61	A triple star in disarray. <i>Astronomy and Astrophysics</i> , 2020, 644, A114.	5.1	2
62	Determining mass limits around HD 163296 through SPHERE direct imaging data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 37-46.	4.4	17
63	An Exo-Kuiper Belt with an Extended Halo around HD 191089 in Scattered Light. <i>Astrophysical Journal</i> , 2019, 882, 64.	4.5	34
64	Coronagraphic phase diversity through residual turbulence: performance study and experimental validation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4307-4316.	4.4	9
65	Homogeneous internal structure of CM-like asteroid (41) Daphne. <i>Astronomy and Astrophysics</i> , 2019, 623, A132.	5.1	25
66	A search for accreting young companions embedded in circumstellar disks. <i>Astronomy and Astrophysics</i> , 2019, 622, A156.	5.1	50
67	The shape of (7) Iris as evidence of an ancient large impact?. <i>Astronomy and Astrophysics</i> , 2019, 624, A121.	5.1	12
68	Post-conjunction detection of β Pictoris b with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2019, 621, L8.	5.1	41
69	Blobs, spiral arms, and a possible planet around HD 169142. <i>Astronomy and Astrophysics</i> , 2019, 623, A140.	5.1	37
70	Closing the gap between Earth-based and interplanetary mission observations: Vesta seen by VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2019, 623, A6.	5.1	20
71	Two cold belts in the debris disk around the G-type star NZ Lupi. <i>Astronomy and Astrophysics</i> , 2019, 625, A21.	5.1	14
72	First resolved observations of a highly asymmetric debris disc around HD 160305 with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2019, 626, A95.	5.1	10

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73	Exploring the R CrA environment with SPHERE. <i>Astronomy and Astrophysics</i> , 2019, 624, A4.	5.1	20
74	Hint of curvature in the orbital motion of the exoplanet 51 Eridani b using 3 yr of VLT/SPHERE monitoring. <i>Astronomy and Astrophysics</i> , 2019, 624, A118.	5.1	30
75	Exoplanet characterisation in the longest known resonant chain: the K2-138 system seen by HARPS. <i>Astronomy and Astrophysics</i> , 2019, 631, A90.	5.1	27
76	The B-Star Exoplanet Abundance Study: a co-moving 16M_{Jup} companion to the young binary system HIP 79098. <i>Astronomy and Astrophysics</i> , 2019, 626, A99.	5.1	19
77	Orbital and spectral analysis of the benchmark brown dwarf HD 4747B. <i>Astronomy and Astrophysics</i> , 2019, 631, A107.	5.1	17
78	SPHERE dynamical and spectroscopic characterization of HD 142527B. <i>Astronomy and Astrophysics</i> , 2019, 622, A96.	5.1	35
79	SPHERE view of the jet and the envelope of RY Tauri. <i>Astronomy and Astrophysics</i> , 2019, 628, A68.	5.1	28
80	VLT/SPHERE exploration of the young multiplanetary system PDS70. <i>Astronomy and Astrophysics</i> , 2019, 632, A25.	5.1	46
81	Calibration of quasi-static aberrations in exoplanet direct-imaging instruments with a Zernike phase-mask sensor. <i>Astronomy and Astrophysics</i> , 2019, 629, A11.	5.1	35
82	SPHERE: the exoplanet imager for the Very Large Telescope. <i>Astronomy and Astrophysics</i> , 2019, 631, A155.	5.1	361
83	Mapping of shadows cast on a protoplanetary disk by a close binary system. <i>Nature Astronomy</i> , 2019, 3, 167-172.	10.1	11
84	High-contrast Imaging Study on the Candidate Companions Around the Star AH Lep. <i>Research Notes of the AAS</i> , 2019, 3, 100.	0.7	0
85	Physical, spectral, and dynamical properties of asteroid (107) Camilla and its satellites. <i>Icarus</i> , 2018, 309, 134-161.	2.5	20
86	An Earth-sized exoplanet with a Mercury-like composition. <i>Nature Astronomy</i> , 2018, 2, 393-400.	10.1	75
87	Imaging radial velocity planets with SPHERE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 35-48.	4.4	16
88	First scattered light detection of a nearly edge-on transition disk around the T Tauri star RY Lupi. <i>Astronomy and Astrophysics</i> , 2018, 614, A88.	5.1	26
89	High-contrast study of the candidate planets and protoplanetary disk around HD 100546. <i>Astronomy and Astrophysics</i> , 2018, 619, A160.	5.1	34
90	The GJ 504 system revisited. <i>Astronomy and Astrophysics</i> , 2018, 618, A63.	5.1	45

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91	Origin of the asymmetry of the wind driven halo observed in high-contrast images. <i>Astronomy and Astrophysics</i> , 2018, 620, L10.	5.1	29
92	SAFARI â€“ I. A SPHERE discovery of a super metal-rich M-dwarf companion to the star HD 86006. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4958-4970.	4.4	2
93	(16) Psyche: A mesosiderite-like asteroid?. <i>Astronomy and Astrophysics</i> , 2018, 619, L3.	5.1	46
94	Investigating the young solar system analog HD 95086. <i>Astronomy and Astrophysics</i> , 2018, 617, A76.	5.1	36
95	SPHERE/ZIMPOL high resolution polarimetric imager. <i>Astronomy and Astrophysics</i> , 2018, 619, A9.	5.1	78
96	K2-265 b: a transiting rocky super-Earth. <i>Astronomy and Astrophysics</i> , 2018, 620, A77.	5.1	17
97	Discovery of a planetary-mass companion within the gap of the transition disk around PDS 70. <i>Astronomy and Astrophysics</i> , 2018, 617, A44.	5.1	436
98	K2 Targets Observed with SPHERE/VLT: An M4-7 Dwarf Companion Resolved around EPIC 206011496* ^{â€“}. <i>Astronomical Journal</i> , 2018, 156, 182.	4.7	4
99	K-Stacker: Keplerian image recombination for the direct detection of exoplanets. <i>Astronomy and Astrophysics</i> , 2018, 615, A144.	5.1	10
100	VLT/SPHERE astrometric confirmation and orbital analysis of the brown dwarf companion HR 2562 B. <i>Astronomy and Astrophysics</i> , 2018, 615, A177.	5.1	13
101	Orbital and atmospheric characterization of the planet within the gap of the PDS 70 transition disk. <i>Astronomy and Astrophysics</i> , 2018, 617, L2.	5.1	177
102	Observations of fast-moving features in the debris disk of AU Mic on a three-year timescale: Confirmation and new discoveries. <i>Astronomy and Astrophysics</i> , 2018, 614, A52.	5.1	46
103	The impact crater at the origin of the Julia family detected with VLT/SPHERE?. <i>Astronomy and Astrophysics</i> , 2018, 618, A154.	5.1	29
104	New spectro-photometric characterization of the substellar object HR 2562 B using SPHERE. <i>Astronomy and Astrophysics</i> , 2018, 612, A92.	5.1	13
105	Astrometric and photometric accuracies in high contrast imaging: The SPHERE speckle calibration tool (SpeCal). <i>Astronomy and Astrophysics</i> , 2018, 615, A92.	5.1	88
106	Resolving faint structures in the debris disk around TWA 7. <i>Astronomy and Astrophysics</i> , 2018, 617, A109.	5.1	29
107	Constraining the presence of giant planets in two-belt debris disc systems with VLT/SPHERE direct imaging and dynamical arguments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2757-2783.	4.4	11
108	Investigation of the inner structures around HD 169142 with VLT/SPHERE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1774-1783.	4.4	58

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109	ALICE Data Release: A Revaluation of HST-NICMOS Coronagraphic Images. <i>Astronomical Journal</i> , 2018, 155, 179.	4.7	16
110	Dynamical models to explain observations with SPHERE in planetary systems with double debris belts. <i>Astronomy and Astrophysics</i> , 2018, 611, A43.	5.1	21
111	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
112	Discovery of a brown dwarf companion to the star HIP 64892. <i>Astronomy and Astrophysics</i> , 2018, 615, A160.	5.1	26
113	New disk discovered with VLT/SPHERE around the M star GSC 07396âˆ”00759. <i>Astronomy and Astrophysics</i> , 2018, 613, L6.	5.1	22
114	Dynamical masses of M-dwarf binaries in young moving groups. <i>Astronomy and Astrophysics</i> , 2018, 618, A23.	5.1	17
115	On-sky compensation of non-common path aberrations with the ZELDA wavefront sensor in VLT/SPHERE. , 2018, , .		5
116	Bringing high-spectral resolution to VLT/SPHERE with a fiber coupling to VLT/CRIRES+. , 2018, , .		11
117	Lessons for WFIRST CGI from ground-based high-contrast systems. , 2018, , .		9
118	Upper limits for mass and radius of objects around Proxima Cen from SPHERE/VLT. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 466, L118-L122.	3.3	36
119	Shadows and spirals in the protoplanetary disk HDâ€‰100453. <i>Astronomy and Astrophysics</i> , 2017, 597, A42.	5.1	147
120	SPHERE/SHINE reveals concentric rings in the debris disk of HIP 73145. <i>Astronomy and Astrophysics</i> , 2017, 601, A7.	5.1	51
121	Testing giant planet formation in the transitional disk of SAO 206462 using deep VLT/SPHERE imaging. <i>Astronomy and Astrophysics</i> , 2017, 601, A134.	5.1	44
122	The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. <i>Astronomy and Astrophysics</i> , 2017, 603, A3.	5.1	97
123	Evidence That the Directly Imaged Planet HD 131399 Ab Is a Background Star. <i>Astronomical Journal</i> , 2017, 154, 218.	4.7	52
124	Quantifying telescope phase discontinuities external to adaptive optics systems by use of phase diversity and focal plane sharpening. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2017, 3, 039001.	1.8	14
125	Eccentricity in planetary systems and the role of binarity. <i>Astronomy and Astrophysics</i> , 2017, 602, A87.	5.1	23
126	The First Scattered-light Image of the Debris Disk around the Scoâ€‰Cen Target HD 129590. <i>Astrophysical Journal Letters</i> , 2017, 843, L12.	8.3	28

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127	Spectral and atmospheric characterization of 51 Eridani b using VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2017, 603, A57.	5.1	95
128	Precise masses for the transiting planetary system HD 106315 with HARPS. <i>Astronomy and Astrophysics</i> , 2017, 608, A25.	5.1	23
129	Constraining the mass of the planet(s) sculpting a disk cavity. <i>Astronomy and Astrophysics</i> , 2017, 598, A43.	5.1	20
130	Fine cophasing of segmented aperture telescopes with ZELDA, a Zernike wavefront sensor in the diffraction-limited regime. <i>Astronomy and Astrophysics</i> , 2017, 603, A23.	5.1	19
131	Discovery of a warm, dusty giant planet around HIP 65426. <i>Astronomy and Astrophysics</i> , 2017, 605, L9.	5.1	172
132	Near-infrared scattered light properties of the HR 4796 A dust ring. <i>Astronomy and Astrophysics</i> , 2017, 599, A108.	5.1	97
133	SPHERE/ZIMPOL observations of the symbiotic system R Aquarii. <i>Astronomy and Astrophysics</i> , 2017, 602, A53.	5.1	37
134	In-depth study of moderately young but extremely red, very dusty substellar companion HD 206893B. <i>Astronomy and Astrophysics</i> , 2017, 608, A79.	5.1	63
135	Belt(s) of debris resolved around the Sco-Cen star HIP 67497. <i>Astronomy and Astrophysics</i> , 2017, 597, L7.	5.1	30
136	New constraints on the disk characteristics and companion candidates around T Chamaeleontis with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2017, 605, A34.	5.1	34
137	Orbiting a binary. <i>Astronomy and Astrophysics</i> , 2017, 608, A106.	5.1	12
138	Combining angular differential imaging and accurate polarimetry with SPHERE/IRDIS to characterize young giant exoplanets. , 2017, , .		8
139	RESOLVING THE PLANET-HOSTING INNER REGIONS OF THE LkCa 15 DISK*. <i>Astrophysical Journal Letters</i> , 2016, 828, L17.	8.3	80
140	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A55.	5.1	81
141	Calibration of quasi-static aberrations in exoplanet direct-imaging instruments with a Zernike phase-mask sensor. <i>Astronomy and Astrophysics</i> , 2016, 592, A79.	5.1	45
142	Characterizing HR 3549 B using SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 593, A119.	5.1	24
143	A narrow, edge-on disk resolved around HD 106906 with SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 586, L8.	5.1	67
144	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A56.	5.1	90

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145	Discovery of concentric broken rings at sub-arcsec separations in the HD141569A gas-rich, debris disk with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 590, L7.	5.1	41
146	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A58.	5.1	105
147	SAXO: the extreme adaptive optics system of SPHERE (I) system overview and global laboratory performance. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2016, 2, 025003.	1.8	59
148	ZELDA, a Zernike wavefront sensor for the fine measurement of quasi-static aberrations in coronagraphic systems: concept studies and results with VLT/SPHERE. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
149	Direct detection of scattered light gaps in the transitional disk around HD97048 with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 595, A112.	5.1	96
150	Multiple rings in the transition disk and companion candidates around RXJ1615.3-3255. <i>Astronomy and Astrophysics</i> , 2016, 595, A114.	5.1	67
151	SPHERE on-sky performance compared with budget predictions. , 2016, , .		1
152	Characterisation of a turbulent module for the MITHIC high-contrast imaging testbed. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
153	The SPHERE view of the planet-forming disk around HD 100546. <i>Astronomy and Astrophysics</i> , 2016, 588, A8.	5.1	72
154	Azimuthal asymmetries in the debris disk around HD61005. <i>Astronomy and Astrophysics</i> , 2016, 591, A108.	5.1	70
155	SPOTS: The Search for Planets Orbiting Two Stars. <i>Astronomy and Astrophysics</i> , 2016, 593, A38.	5.1	37
156	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A57.	5.1	129
157	SAXO, the SPHERE extreme AO system: on-sky final performance and future improvements. , 2016, , .		20
158	HIGH-CADENCE, HIGH-CONTRAST IMAGING FOR EXOPLANET MAPPING: OBSERVATIONS OF THE HR 8799 PLANETS WITH VLT/SPHERE SATELLITE-SPOT-CORRECTED RELATIVE PHOTOMETRY. <i>Astrophysical Journal</i> , 2016, 820, 40.	4.5	72
159	Stop-less Lyot coronagraph for exoplanet characterization: first on-sky validation in VLT/SPHERE. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
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