

Arthur Vigan

List of Publications by Year in descending order

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Version: 2024-02-01

194
papers

7,701
citations

53794

45
h-index

71685

76
g-index

197
all docs

197
docs citations

197
times ranked

3144
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	SPHERE: the exoplanet imager for the Very Large Telescope. <i>Astronomy and Astrophysics</i> , 2019, 631, A155.	5.1	361
3	Photometric characterization of exoplanets using angular and spectral differential imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 71-82.	4.4	211
4	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
5	Discovery of a warm, dusty giant planet around HIP 65426. <i>Astronomy and Astrophysics</i> , 2017, 605, L9.	5.1	172
6	Shadows and spirals in the protoplanetary disk HD 100453. <i>Astronomy and Astrophysics</i> , 2017, 597, A42.	5.1	147
7	The infra-red dual imaging and spectrograph for SPHERE: design and performance. <i>Proceedings of SPIE</i> , 2008, , .	0.8	138
8	The VAST Survey III. The multiplicity of A-type stars within 75 pc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1216-1240.	4.4	131
9	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A57.	5.1	129
10	The International Deep Planet Survey. <i>Astronomy and Astrophysics</i> , 2012, 544, A9.	5.1	122
11	The SPHERE infrared survey for exoplanets (SHINE). <i>Astronomy and Astrophysics</i> , 2021, 651, A72.	5.1	117
12	Performance of the VLT Planet Finder SPHERE. <i>Astronomy and Astrophysics</i> , 2015, 576, A121.	5.1	107
13	Retrieving scattering clouds and disequilibrium chemistry in the atmosphere of HR 8799e. <i>Astronomy and Astrophysics</i> , 2020, 640, A131.	5.1	107
14	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A58.	5.1	105
15	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
16	Near-infrared scattered light properties of the HR 4796 dust ring. <i>Astronomy and Astrophysics</i> , 2017, 599, A108.	5.1	97
17	Direct detection of scattered light gaps in the transitional disk around HD 97048 with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 595, A112.	5.1	96
18	Fast-moving features in the debris disk around AU Microscopii. <i>Nature</i> , 2015, 526, 230-232.	27.8	95

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19	Spectral and atmospheric characterization of 51 Eridani b using VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2017, 603, A57.	5.1	95
20	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A56.	5.1	90
21	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
22	The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. <i>Astronomy and Astrophysics</i> , 2015, 573, A127.	5.1	83
23	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A55.	5.1	81
24	Polarimetric imaging mode of VLT/SPHERE/IRDIS. <i>Astronomy and Astrophysics</i> , 2020, 633, A64.	5.1	81
25	RESOLVING THE PLANET-HOSTING INNER REGIONS OF THE LkCa 15 DISK*. <i>Astrophysical Journal Letters</i> , 2016, 828, L17.	8.3	80
26	The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs in wide orbits. <i>Astronomy and Astrophysics</i> , 2015, 573, A126.	5.1	79
27	SPHERE/ZIMPOL high resolution polarimetric imager. <i>Astronomy and Astrophysics</i> , 2018, 619, A9.	5.1	78
28	High-contrast imaging of Sirius A with VLT/SPHERE: looking for giant planets down to one astronomical unit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 129-143.	4.4	76
29	An Earth-sized exoplanet with a Mercury-like composition. <i>Nature Astronomy</i> , 2018, 2, 393-400.	10.1	75
30	The SPHERE view of the planet-forming disk around HD 100546. <i>Astronomy and Astrophysics</i> , 2016, 588, A8.	5.1	72
31	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
32	Azimuthal asymmetries in the debris disk around HD 61005. <i>Astronomy and Astrophysics</i> , 2016, 591, A108.	5.1	70
33	A narrow, edge-on disk resolved around HD 106906 with SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 586, L8.	5.1	67
34	Multiple rings in the transition disk and companion candidates around RX J1615.3-3255. <i>Astronomy and Astrophysics</i> , 2016, 595, A114.	5.1	67
35	SPHERE IRDIS and IFS astrometric strategy and calibration. <i>Proceedings of SPIE</i> , 2016, , .	0.8	67
36	Polarimetric imaging mode of VLT/SPHERE/IRDIS. <i>Astronomy and Astrophysics</i> , 2020, 633, A63.	5.1	67

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37	Performance of the VLT Planet Finder SPHERE. <i>Astronomy and Astrophysics</i> , 2014, 572, A85.	5.1	66
38	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
39	Direct confirmation of the radial-velocity planet ρ Pictoris c. <i>Astronomy and Astrophysics</i> , 2020, 642, L2.	5.1	61
40	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
41	Constraining the Nature of the PDS 70 Protoplanets with VLT/GRAVITY \hat{r} . <i>Astronomical Journal</i> , 2021, 161, 148.	4.7	59
42	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
43	Molecular line mapping of the giant molecular cloud associated with RCW 106 II. Column density and dynamical state of the clumps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 1069-1084.	4.4	57
44	Evidence That the Directly Imaged Planet HD 131399 Ab Is a Background Star. <i>Astronomical Journal</i> , 2017, 154, 218.	4.7	52
45	SPHERE/SHINE reveals concentric rings in the debris disk of HIP 73145. <i>Astronomy and Astrophysics</i> , 2017, 601, A7.	5.1	51
46	A search for accreting young companions embedded in circumstellar disks. <i>Astronomy and Astrophysics</i> , 2019, 622, A156.	5.1	50
47	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
48	The SPHERE infrared survey for exoplanets (SHINE). <i>Astronomy and Astrophysics</i> , 2021, 651, A71.	5.1	47
49	(16) Psyche: A mesosiderite-like asteroid?. <i>Astronomy and Astrophysics</i> , 2018, 619, L3.	5.1	46
50	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
51	VLT/SPHERE exploration of the young multiplanetary system PDS70. <i>Astronomy and Astrophysics</i> , 2019, 632, A25.	5.1	46
52	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
53	The GJ 504 system revisited. <i>Astronomy and Astrophysics</i> , 2018, 618, A63.	5.1	45
54	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

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55	Exoplanet characterization with long slit spectroscopy. <i>Astronomy and Astrophysics</i> , 2008, 489, 1345-1354.	5.1	42
56	EARLY RESULTS FROM VLT SPHERE: LONG-SLIT SPECTROSCOPY OF 2MASS 0122â€“2439 B, A YOUNG COMPANION NEAR THE DEUTERIUM BURNING LIMIT. <i>Astrophysical Journal Letters</i> , 2015, 805, L10.	8.3	42
57	Discovery of concentric broken rings at sub-arcsec separations in the HDâ€™%141569A gas-rich, debris disk with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 590, L7.	5.1	41
58	Post-conjunction detection of α Pictoris b with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2019, 621, L8.	5.1	41
59	The SPHERE infrared survey for exoplanets (SHINE). <i>Astronomy and Astrophysics</i> , 2021, 651, A70.	5.1	39
60	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
61	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
62	SPHERE eXtreme AO control scheme: final performance assessment and on sky validation of the first auto-tuned LQG based operational system. <i>Proceedings of SPIE</i> , 2014, , .	0.8	37
63	SPOTS: The Search for Planets Orbiting Two Stars. <i>Astronomy and Astrophysics</i> , 2016, 593, A38.	5.1	37
64	SPHERE/ZIMPOL observations of the symbiotic system R Aquarii. <i>Astronomy and Astrophysics</i> , 2017, 602, A53.	5.1	37
65	Blobs, spiral arms, and a possible planet around HD 169142. <i>Astronomy and Astrophysics</i> , 2019, 623, A140.	5.1	37
66	The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. <i>Astronomy and Astrophysics</i> , 2016, 586, A147.	5.1	37
67	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
68	Investigating the young solar system analog HD 95086. <i>Astronomy and Astrophysics</i> , 2018, 617, A76.	5.1	36
69	SPHERE dynamical and spectroscopic characterization of HD 142527B. <i>Astronomy and Astrophysics</i> , 2019, 622, A96.	5.1	35
70	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
71	High-contrast study of the candidate planets and protoplanetary disk around HD 100546. <i>Astronomy and Astrophysics</i> , 2018, 619, A160.	5.1	34
72	An Exoâ€™Kuiper Belt with an Extended Halo around HD 191089 in Scattered Light. <i>Astrophysical Journal</i> , 2019, 882, 64.	4.5	34

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73	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
74	The mass of $\hat{1}^2$ Pictoris c from $\hat{1}^2$ Pictoris b orbital motion. <i>Astronomy and Astrophysics</i> , 2021, 654, L2.	5.1	33
75	Astrophysical false positives in direct imaging for exoplanets: a white dwarf close to a rejuvenated star. <i>Astronomy and Astrophysics</i> , 2013, 554, A21.	5.1	31
76	Ongoing flyby in the young multiple system UX Tauri. <i>Astronomy and Astrophysics</i> , 2020, 639, L1.	5.1	31
77	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
78	Medium-resolution spectrum of the exoplanet HIP 65426 b. <i>Astronomy and Astrophysics</i> , 2021, 648, A59.	5.1	30
79	Belt(s) of debris resolved around the Sco-Cen star HIP 67497. <i>Astronomy and Astrophysics</i> , 2017, 597, L7.	5.1	30
80	On-sky multiwavelength phasing of segmented telescopes with the Zernike phase contrast sensor. <i>Applied Optics</i> , 2011, 50, 2708.	2.1	29
81	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
82	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
83	Resolving faint structures in the debris disk around TWA 7. <i>Astronomy and Astrophysics</i> , 2018, 617, A109.	5.1	29
84	Imaging low-mass planets within the habitable zone of $\hat{1}^2$ Centauri. <i>Nature Communications</i> , 2021, 12, 922.	12.8	29
85	The Volume-limited A-Star (VAST) survey - II. Orbital motion monitoring of A-type star multiples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 2765-2785.	4.4	28
86	The First Scattered-light Image of the Debris Disk around the Sco-Cen Target HD 129590. <i>Astrophysical Journal Letters</i> , 2017, 843, L12.	8.3	28
87	SPHERE view of the jet and the envelope of RY Tauri. <i>Astronomy and Astrophysics</i> , 2019, 628, A68.	5.1	28
88	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
89	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
90	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

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91	A SPHERE survey of self-shadowed planet-forming disks. <i>Astronomy and Astrophysics</i> , 2022, 658, A137.	5.1	27
92	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
93	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
94	The violent collisional history of aqueously evolved (2) Pallas. <i>Nature Astronomy</i> , 2020, 4, 569-576.	10.1	26
95	Discovery of a brown dwarf companion to the star HIP 64892. <i>Astronomy and Astrophysics</i> , 2018, 615, A160.	5.1	26
96	Homogeneous internal structure of CM-like asteroid (41) Daphne. <i>Astronomy and Astrophysics</i> , 2019, 623, A132.	5.1	25
97	Wind-driven halo in high-contrast images. <i>Astronomy and Astrophysics</i> , 2020, 638, A98.	5.1	25
98	Asteroid (16) Psyche's primordial shape: A possible Jacobi ellipsoid. <i>Astronomy and Astrophysics</i> , 2020, 638, L15.	5.1	25
99	Characterizing HR 3549 B using SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 593, A119.	5.1	24
100	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
101	Eccentricity in planetary systems and the role of binarity. <i>Astronomy and Astrophysics</i> , 2017, 602, A87.	5.1	23
102	Precise masses for the transiting planetary system HD 106315 with HARPS. <i>Astronomy and Astrophysics</i> , 2017, 608, A25.	5.1	23
103	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
104	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
105	A wide-orbit giant planet in the high-mass β Centauri binary system. <i>Nature</i> , 2021, 600, 231-234.	27.8	23
106	High contrast polarimetry in the infrared with SPHERE on the VLT. <i>Proceedings of SPIE</i> , 2014, , .	0.8	22
107	New disk discovered with VLT/SPHERE around the M star GSC 07396+00759. <i>Astronomy and Astrophysics</i> , 2018, 613, L6.	5.1	22
108	The VAST Survey IV. A wide brown dwarf companion to the A3V star ϵ Delphini.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 3694-3705.	4.4	21

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109	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
110	SAXO, the SPHERE extreme AO system: on-sky final performance and future improvements. , 2016, , .		20
111	Constraining the mass of the planet(s) sculpting a disk cavity. <i>Astronomy and Astrophysics</i> , 2017, 598, A43.	5.1	20
112	Physical, spectral, and dynamical properties of asteroid (107) Camilla and its satellites. <i>Icarus</i> , 2018, 309, 134-161.	2.5	20
113	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
114	Exploring the R CrA environment with SPHERE. <i>Astronomy and Astrophysics</i> , 2019, 624, A4.	5.1	20
115	(216) Kleopatra, a low density critically rotating M-type asteroid. <i>Astronomy and Astrophysics</i> , 2021, 653, A57.	5.1	20
116	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
117	The B-Star Exoplanet Abundance Study: a co-moving $16\hat{=}25 M_{\text{Jup}}$ companion to the young binary system HIP 79098. <i>Astronomy and Astrophysics</i> , 2019, 626, A99.	5.1	19
118	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
119	HD 142527: quantitative disk polarimetry with SPHERE. <i>Astronomy and Astrophysics</i> , 2021, 648, A110.	5.1	19
120	K2-265 b: a transiting rocky super-Earth. <i>Astronomy and Astrophysics</i> , 2018, 620, A77.	5.1	17
121	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
122	Orbital and spectral analysis of the benchmark brown dwarf HD 4747B. <i>Astronomy and Astrophysics</i> , 2019, 631, A107.	5.1	17
123	Orbital and spectral characterization of the benchmark T-type brown dwarf HD 19467B. <i>Astronomy and Astrophysics</i> , 2020, 639, A47.	5.1	17
124	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
125	Dynamical masses of M-dwarf binaries in young moving groups. <i>Astronomy and Astrophysics</i> , 2018, 618, A23.	5.1	17
126	Imaging radial velocity planets with SPHERE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 35-48.	4.4	16

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127	ALICE Data Release: A Revaluation of HST-NICMOS Coronagraphic Images. <i>Astronomical Journal</i> , 2018, 155, 179.	4.7	16
128	Binary asteroid (31) Euphrosyne: ice-rich and nearly spherical. <i>Astronomy and Astrophysics</i> , 2020, 641, A80.	5.1	16
129	Direct imaging and spectroscopy of exoplanets with the ELT/HARMONI high-contrast module. <i>Astronomy and Astrophysics</i> , 2021, 652, A67.	5.1	15
130	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
131	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
132	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
133	RefPlanets: Search for reflected light from extrasolar planets with SPHERE/ZIMPOL. <i>Astronomy and Astrophysics</i> , 2020, 634, A69.	5.1	14
134	(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
135	High-contrast spectroscopy of SCRÂJ1845-6357ÂB. <i>Astronomy and Astrophysics</i> , 2012, 540, A131.	5.1	13
136	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
137	New spectro-photometric characterization of the substellar object HR 2562 B using SPHERE. <i>Astronomy and Astrophysics</i> , 2018, 612, A92.	5.1	13
138	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
139	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
140	Increasing the raw contrast of VLT/SPHERE with the dark hole technique. <i>Astronomy and Astrophysics</i> , 2020, 638, A117.	5.1	13
141	The shape of (7) Iris as evidence of an ancient large impact?. <i>Astronomy and Astrophysics</i> , 2019, 624, A121.	5.1	12
142	GRAVITY <i>K</i> -band spectroscopy of HD 206893 B. <i>Astronomy and Astrophysics</i> , 2021, 652, A57.	5.1	12
143	An advanced multipole model for (216) Kleopatra triple system. <i>Astronomy and Astrophysics</i> , 2021, 653, A56.	5.1	12
144	Simulation of planet detection with the SPHERE integral field spectrograph. <i>Astronomy and Astrophysics</i> , 2011, 529, A131.	5.1	12

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145	Orbiting a binary. <i>Astronomy and Astrophysics</i> , 2017, 608, A106.	5.1	12
146	New binaries from the SHINE survey. <i>Astronomy and Astrophysics</i> , 2022, 663, A144.	5.1	12
147	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
148	Mapping of shadows cast on a protoplanetary disk by a close binary system. <i>Nature Astronomy</i> , 2019, 3, 167-172.	10.1	11
149	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
150	Bringing high-spectral resolution to VLT/SPHERE with a fiber coupling to VLT/CRIRES+. , 2018, , .		11
151	K-Stacker: Keplerian image recombination for the direct detection of exoplanets. <i>Astronomy and Astrophysics</i> , 2018, 615, A144.	5.1	10
152	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
153	Investigating point sources in MWC 758 with SPHERE. <i>Astronomy and Astrophysics</i> , 2021, 652, L8.	5.1	10
154	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
155	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
156	Variation on a Zernike wavefront sensor theme: Optimal use of photons. <i>Astronomy and Astrophysics</i> , 2021, 650, L8.	5.1	9
157	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
158	Speckle lifetime in XAO coronagraphic images: temporal evolution of SPHERE coronagraphic images. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9
159	Lessons for WFIRST CGI from ground-based high-contrast systems. , 2018, , .		9
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