

Sebastiaan Haffert

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

426
citations

1163117

8
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Two accreting protoplanets around the young star PDS 70. <i>Nature Astronomy</i> , 2019, 3, 749-754.	10.1	283
2	Accreting protoplanets: Spectral signatures and magnitude of gas and dust extinction at H α . <i>Astronomy and Astrophysics</i> , 2022, 657, A38.	5.1	22
3	Searching for proto-planets with MUSE. <i>Astronomy and Astrophysics</i> , 2020, 644, A149.	5.1	18
4	Review of high-contrast imaging systems for current and future ground- and space-based telescopes I: coronagraph design methods and optical performance metrics. , 2018, , .		15
5	Nonlinear wavefront reconstruction with convolutional neural networks for Fourier-based wavefront sensors. <i>Optics Express</i> , 2020, 28, 16644.	3.4	13
6	Generalised optical differentiation wavefront sensor: a sensitive high dynamic range wavefront sensor. <i>Optics Express</i> , 2016, 24, 18986.	3.4	12
7	Vector-apodizing phase plate coronagraph: design, current performance, and future development [Invited]. <i>Applied Optics</i> , 2021, 60, D52.	1.8	12
8	Characterizing the Protolunar Disk of the Accreting Companion GQ Lupi B*. <i>Astronomical Journal</i> , 2021, 162, 286.	4.7	11
9	The Single-mode Complex Amplitude Refinement (SCAR) coronagraph. <i>Astronomy and Astrophysics</i> , 2020, 635, A55.	5.1	9
10	A MUSE view of the asymmetric jet from HD 163296. <i>Astronomy and Astrophysics</i> , 2021, 650, L6.	5.1	7
11	CS Cha B: A disc-obscured M-type star mimicking a polarised planetary companion. <i>Astronomy and Astrophysics</i> , 2020, 640, L12.	5.1	7
12	The Single-mode Complex Amplitude Refinement (SCAR) coronagraph. <i>Astronomy and Astrophysics</i> , 2020, 635, A56.	5.1	6
13	3D-M3: high-spatial-resolution spectroscopy with extreme AO and 3D-printed micro-lenslets. <i>Applied Optics</i> , 2021, 60, D108.	1.8	4
14	Fundamental limit of single-mode integral-field spectroscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, A27.	2.1	3
15	The spectrally modulated self-coherent camera (SM-SCC): Increasing throughput for focal-plane wavefront sensing. <i>Astronomy and Astrophysics</i> , 2022, 659, A51.	5.1	2
16	The Leiden EXoplanet Instrument (LEXI): a high-contrast high-dispersion spectrograph. , 2016, , .		1
17	Highly multiplexed Bragg gratings for large field of view gas sensing in planetary atmospheres. <i>Optics Express</i> , 2019, 27, 33925.	3.4	1