

# Stefan Hippler

## List of Publications by Year in descending order

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26  
papers

585  
citations

759233

12  
h-index

713466

21  
g-index

27  
all docs

27  
docs citations

27  
times ranked

890  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE ASTRALUX LARGE M-DWARF MULTIPLICITY SURVEY. <i>Astrophysical Journal</i> , 2012, 754, 44.	4.5	185
2	Constraining the Nature of the PDS 70 Protoplanets with VLTI/GRAVITY $\hat{=}$ . <i>Astronomical Journal</i> , 2021, 161, 148.	4.7	59
3	THE ASTRALUX MULTIPLICITY SURVEY: EXTENSION TO LATE M-DWARFS. <i>Astrophysical Journal</i> , 2014, 789, 102.	4.5	57
4	AstraLux: the Calar Alto lucky imaging camera. <i>Proceedings of SPIE</i> , 2008, , .	0.8	40
5	ORBITAL MONITORING OF THE ASTRALUX LARGE M-DWARF MULTIPLICITY SAMPLE. <i>Astrophysical Journal, Supplement Series</i> , 2014, 214, 17.	7.7	32
6	Binaries among low-mass stars in nearby young moving groups. <i>Astronomy and Astrophysics</i> , 2017, 599, A70.	5.1	29
7	Optimal Compensation and Implementation for Adaptive Optics Systems. <i>Experimental Astronomy</i> , 2003, 15, 67-88.	3.7	22
8	Atmosphere-like turbulence generation with surface-etched phase-screens. <i>Optics Express</i> , 2006, 14, 10139.	3.4	21
9	Real-time modal control implementation for adaptive optics. <i>Applied Optics</i> , 1998, 37, 4586.	2.1	19
10	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
11	Adaptive Optics for Extremely Large Telescopes. <i>Journal of Astronomical Instrumentation</i> , 2019, 08, .	1.5	16
12	Single conjugate adaptive optics for the ELT instrument METIS. <i>Experimental Astronomy</i> , 2019, 47, 65-105.	3.7	13
13	Broadband, static wave-front generation: Na-Ag ion-exchange phase screens and telescope emulation. <i>Applied Optics</i> , 2004, 43, 2813.	2.1	12
14	The discrepancy between dynamical and theoretical mass in the triplet-system 2MASS J10364483+1521394. <i>Astronomy and Astrophysics</i> , 2017, 604, A82.	5.1	12
15	Multi-Conjugate Adaptive Optics with Two Deformable Mirrors $\hat{=}$ Requirements and Performance. <i>Experimental Astronomy</i> , 2001, 11, 1-21.	3.7	8
16	Near-infrared wavefront sensing for the VLT interferometer. , 2008, , .		8
17	Single conjugate adaptive optics for METIS. , 2018, , .		8
18	Characterization of the transmitted near-infrared wavefront error for the GRAVITY/VLTI Coud $\hat{=}$ Infrared Adaptive Optics System. <i>Optics Express</i> , 2013, 21, 9069.	3.4	5

#	ARTICLE	IF	CITATIONS
19	End-to-end simulations of the E-ELT/METIS coronagraphs. Proceedings of SPIE, 2016, , .	0.8	4
20	CIAO: wavefront sensors for GRAVITY. Proceedings of SPIE, 2016, , .	0.8	4
21	The science case of the CHEOPS planet finder for VLT. , 2004, , .		3
22	Sensing wavefronts on resolved sources with pyramids on ELTs. Proceedings of SPIE, 2016, , .	0.8	3
23	Experiments of two pupil lateral motion tracking algorithms using a Shackâ€Hartmann sensor. Journal of Modern Optics, 2017, 64, 127-137.	1.3	3
24	Infrared Wavefront Sensing for Adaptive Optics Assisted Galactic Center Observations with the VLT Interferometer and GRAVITY: Operation and Results. Instruments, 2020, 4, 20.	1.8	2
25	High-Resolution Imaging of Transiting Exoplanet Host Stars with AstraLux. , 2009, , .		1
26	Designing the METIS SCAO and LTAO systems. , 2016, , .		1