

# Christian Maier

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

3,174  
citations

567281

15  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

3370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Star-formation quenching of cluster galaxies as traced by metallicity and presence of active galactic nuclei, and galactic conformity. <i>Astronomy and Astrophysics</i> , 2022, 658, A190.	5.1	10
2	Slow-then-rapid quenching as traced by tentative evidence for enhanced metallicities of cluster galaxies at $z \sim 0.2$ in the slow quenching phase. <i>Astronomy and Astrophysics</i> , 2019, 621, A131.	5.1	39
3	First Data Release of the COSMOS Ly $\alpha$ Mapping and Tomography Observations: 3D Ly $\alpha$ Forest Tomography at 2.05 <math>z</math> <math>2.55</math>. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 31.	7.7	80
4	Detection of $z \sim 2.3$ Cosmic Voids from 3D Ly $\alpha$ Forest Tomography in the COSMOS Field. <i>Astrophysical Journal</i> , 2018, 861, 60.	4.5	31
5	The Bright and Dark Sides of High-redshift Starburst Galaxies from Herschel and Subaru Observations. <i>Astrophysical Journal Letters</i> , 2017, 838, L18.	8.3	32
6	THE FMOS-COSMOS SURVEY OF STAR-FORMING GALAXIES AT $z \sim 1.6$ . IV. EXCITATION STATE AND CHEMICAL ENRICHMENT OF THE INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , 2017, 835, 88.	4.5	96
7	CLASH-VLT: DISSECTING THE FRONTIER FIELDS GALAXY CLUSTER MACS J0416.1-2403 WITH $\sim 800$ SPECTRA OF MEMBER GALAXIES. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 33.	7.7	82
8	CLASH-VLT: INSIGHTS ON THE MASS SUBSTRUCTURES IN THE FRONTIER FIELDS CLUSTER MACS J0416.1-2403 THROUGH ACCURATE STRONG LENS MODELING. <i>Astrophysical Journal</i> , 2015, 800, 38.	4.5	132
9	THE MASS-METALLICITY AND FUNDAMENTAL METALLICITY RELATIONS AT $z > 2$ USING VERY LARGE TELESCOPE AND SUBARU NEAR-INFRARED SPECTROSCOPY OF $z$ COSMOS GALAXIES. <i>Astrophysical Journal</i> , 2014, 792, 3.	4.5	75
10	THE FMOS-COSMOS SURVEY OF STAR-FORMING GALAXIES AT $z \sim 1.6$ . II. THE MASS-METALLICITY RELATION AND THE DEPENDENCE ON STAR FORMATION RATE AND DUST EXTINCTION. <i>Astrophysical Journal</i> , 2014, 792, 75.	4.5	140
11	THE DEPENDENCE OF GALACTIC OUTFLOWS ON THE PROPERTIES AND ORIENTATION OF $z$ COSMOS GALAXIES AT $z \sim 1$ . <i>Astrophysical Journal</i> , 2014, 794, 130.	4.5	98
12	CLASH-VLT: CONSTRAINTS ON THE DARK MATTER EQUATION OF STATE FROM ACCURATE MEASUREMENTS OF GALAXY CLUSTER MASS PROFILES. <i>Astrophysical Journal Letters</i> , 2014, 783, L11.	8.3	23
13	Oxygen abundances of $z$ COSMOS galaxies at $z \sim 1.4$ based on five lines and implications for the fundamental metallicity relation. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 281-282.	0.0	1
14	THE COSMIC BPT DIAGRAM: CONFRONTING THEORY WITH OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2013, 774, L10.	8.3	193
15	X-Ray Groups of Galaxies at $z \sim 1$ in $z$ COSMOS: Increased AGN Activities in High Redshift Groups. <i>Publication of the Astronomical Society of Japan</i> , 2012, 64, .	2.5	15
16	MASS AND ENVIRONMENT AS DRIVERS OF GALAXY EVOLUTION IN SDSS AND $z$ COSMOS AND THE ORIGIN OF THE SCHECHTER FUNCTION. <i>Astrophysical Journal</i> , 2010, 721, 193-221.	4.5	1,485
17	MASSIVE GALAXIES IN COSMOS: EVOLUTION OF BLACK HOLE VERSUS BULGE MASS BUT NOT VERSUS TOTAL STELLAR MASS OVER THE LAST 9 Gyr?. <i>Astrophysical Journal</i> , 2009, 706, L215-L220.	4.5	161
18	THE $z$ COSMOS 10k-BRIGHT SPECTROSCOPIC SAMPLE. <i>Astrophysical Journal, Supplement Series</i> , 2009, 184, 218-229.	7.7	481