

Alain Omont

List of Publications by Year in descending order

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36
papers

3,391
citations

201674

27
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345221

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docs citations

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2063
citing authors

#	ARTICLE	IF	CITATIONS
1	THE CANADA-FRANCE HIGH- <i>z</i> QUASAR SURVEY: NINE NEW QUASARS AND THE LUMINOSITY FUNCTION AT REDSHIFT 6. <i>Astronomical Journal</i> , 2010, 139, 906-918.	4.7	422
2	STAR FORMATION AND GAS KINEMATICS OF QUASAR HOST GALAXIES AT $z \approx 6$: NEW INSIGHTS FROM ALMA. <i>Astrophysical Journal</i> , 2013, 773, 44.	4.5	317
3	EDDINGTON-LIMITED ACCRETION AND THE BLACK HOLE MASS FUNCTION AT REDSHIFT 6. <i>Astronomical Journal</i> , 2010, 140, 546-560.	4.7	287
4	350 μ m Dust Emission from High-Redshift Quasars. <i>Astrophysical Journal</i> , 2006, 642, 694-701.	4.5	272
5	Molecular gas in the host galaxy of a quasar at redshift $z = 6.42$. <i>Nature</i> , 2003, 424, 406-408.	27.8	256
6	MOLECULAR GAS IN $z \approx 6$ QUASAR HOST GALAXIES. <i>Astrophysical Journal</i> , 2010, 714, 699-712.	4.5	210
7	Molecular gas and dust around a radio-quiet quasar at redshift 4.69. <i>Nature</i> , 1996, 382, 428-431.	27.8	199
8	Thermal Emission from Warm Dust in the Most Distant Quasars. <i>Astrophysical Journal</i> , 2008, 687, 848-858.	4.5	134
9	REDSHIFT 6.4 HOST GALAXIES OF 10^{8-9} SOLAR MASS BLACK HOLES: LOW STAR FORMATION RATE AND DYNAMICAL MASS. <i>Astrophysical Journal</i> , 2013, 770, 13.	4.5	126
10	STAR FORMATION RATE AND DYNAMICAL MASS OF 10^{8-9} SOLAR MASS BLACK HOLE HOST GALAXIES AT REDSHIFT 6. <i>Astrophysical Journal</i> , 2015, 801, 123.	4.5	115
11	SIX MORE QUASARS AT REDSHIFT 6 DISCOVERED BY THE CANADA-FRANCE HIGH- <i>z</i> QUASAR SURVEY. <i>Astronomical Journal</i> , 2009, 137, 3541-3547.	4.7	100
12	FAR-INFRARED AND MOLECULAR CO EMISSION FROM THE HOST GALAXIES OF FAINT QUASARS AT $z \approx 6$. <i>Astronomical Journal</i> , 2011, 142, 101.	4.7	94
13	350 Micron Dust Emission from High-Redshift Objects. <i>Astrophysical Journal</i> , 1999, 518, L65-L68.	4.5	88
14	PROBING THE INTERSTELLAR MEDIUM AND STAR FORMATION OF THE MOST LUMINOUS QUASAR AT $z \approx 6.3$. <i>Astrophysical Journal</i> , 2016, 830, 53.	4.5	86
15	Millimeter and Radio Observations of $z \approx 6$ Quasars. <i>Astronomical Journal</i> , 2007, 134, 617-627.	4.7	75
16	A Wide Dispersion in Star Formation Rate and Dynamical Mass of 10^{8-9} Solar Mass Black Hole Host Galaxies at Redshift 6. <i>Astrophysical Journal</i> , 2017, 850, 108.	4.5	74
17	CO (2-1) LINE EMISSION IN REDSHIFT 6 QUASAR HOST GALAXIES. <i>Astrophysical Journal Letters</i> , 2011, 739, L34.	8.3	61
18	Gas Dynamics of a Luminous $z \approx 6.13$ Quasar ULAS J1319+0950 Revealed by ALMA High-resolution Observations. <i>Astrophysical Journal</i> , 2017, 845, 138.	4.5	48

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19	Far-infrared Herschel SPIRE spectroscopy of lensed starbursts reveals physical conditions of ionized gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 59-97.	4.4	46
20	SHARC-II 350 μ m OBSERVATIONS OF THERMAL EMISSION FROM WARM DUST IN ~ 5 QUASARS. <i>Astronomical Journal</i> , 2008, 135, 1201-1206.	4.7	41
21	Ionized and Atomic Interstellar Medium in the $z \sim 6.003$ Quasar SDSS J2310+1855. <i>Astrophysical Journal</i> , 2020, 900, 131.	4.5	36
22	<i>Herschel</i> -ATLAS and ALMA. <i>Astronomy and Astrophysics</i> , 2014, 568, A92.	5.1	33
23	Probing the Full CO Spectral Line Energy Distribution (SLED) in the Nuclear Region of a Quasar-starburst System at $z \sim 6.003$. <i>Astrophysical Journal</i> , 2020, 889, 162.	4.5	33
24	Star Formation and ISM Properties in the Host Galaxies of Three Far-infrared Luminous Quasars at $z \sim 6$. <i>Astrophysical Journal</i> , 2019, 876, 99.	4.5	32
25	Constraining the Quasar Radio-loud Fraction at $z \sim 6$ with Deep Radio Observations. <i>Astrophysical Journal</i> , 2021, 908, 124.	4.5	30
26	A POPULATION OF DUST-RICH QUASARS AT $z \sim 1.5$. <i>Astrophysical Journal</i> , 2012, 753, 33.	4.5	29
27	Is there a relationship between AGN and star formation in IR-bright AGNs?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4238-4254.	4.4	28
28	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 054301.	3.1	26
29	The ISM Properties and Gas Kinematics of a Redshift 3 Massive Dusty Star-forming Galaxy. <i>Astrophysical Journal</i> , 2019, 871, 85.	4.5	19
30	Resolving the Interstellar Medium in the Nuclear Region of Two $z \sim 5.78$ Quasar Host Galaxies with ALMA. <i>Astrophysical Journal</i> , 2019, 887, 40.	4.5	16
31	Resolving the Interstellar Medium in Ultraluminous Infrared QSO Hosts with ALMA. <i>Astrophysical Journal</i> , 2019, 887, 24.	4.5	16
32	The Strong Gravitationally Lensed Herschel Galaxy HLock01: Optical Spectroscopy Reveals a Close Galaxy Merger with Evidence of Inflowing Gas. <i>Astrophysical Journal</i> , 2018, 854, 151.	4.5	11
33	Spitzer Catalog of Herschel-selected Ultrared Dusty Star-forming Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 30.	7.7	11
34	SCUBA2 High Redshift Bright Quasar Survey: Far-infrared Properties and Weak-line Features. <i>Astrophysical Journal</i> , 2020, 900, 12.	4.5	10
35	Energetics of Formation of Cyclacenes from 2,3-Didehydroacenes and Implications for Astrochemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 4605-4616.	3.3	7
36	Deep Observations of CO and Free-Free Emission in Ultraluminous Infrared QSO IRAS F07599+6508. <i>Astrophysical Journal</i> , 2021, 913, 82.	4.5	3