Chao-Wei Tsai

List of Publications by Year
in descending order

65	9,982	159585 30	114465 63
papers	citations	h-index	g-index

66	66	66	8705
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	THE WIDE-FIELD INFRARED SURVEY EXPLORER (WISE): MISSION DESCRIPTION AND INITIAL ON-ORBIT PERFORMANCE. Astronomical Journal, 2010, 140, 1868-1881.	4.7	5,751
2	MID-INFRARED SELECTION OF ACTIVE GALACTIC NUCLEI WITH THEWIDE-FIELD INFRARED SURVEY EXPLORER. I. CHARACTERIZINGWISE-SELECTED ACTIVE GALACTIC NUCLEI IN COSMOS. Astrophysical Journal, 2012, 753, 30.	4.5	637
3	THESPITZER-WISESURVEY OF THE ECLIPTIC POLES. Astrophysical Journal, 2011, 735, 112.	4.5	536
4	THE FIRST HUNDRED BROWN DWARFS DISCOVERED BY THE WIDE-FIELD INFRARED SURVEY EXPLORER (WISE). Astrophysical Journal, Supplement Series, 2011, 197, 19.	7.7	317
5	MID-INFRARED SELECTION OF ACTIVE GALACTIC NUCLEI WITH THEWIDE-FIELD INFRARED SURVEY EXPLORER. II. PROPERTIES OFWISE-SELECTED ACTIVE GALACTIC NUCLEI IN THE NDWFS BOÃ–TES FIELD. Astrophysical Journal, 2013, 772, 26.	4.5	316
6	EXTENDING THE NEARBY GALAXY HERITAGE WITHWISE: FIRST RESULTS FROM THEWISEENHANCED RESOLUTION GALAXY ATLAS. Astronomical Journal, 2013, 145, 6.	4.7	236
7	THE FIRST HYPER-LUMINOUS INFRARED GALAXY DISCOVERED BYWISE. Astrophysical Journal, 2012, 755, 173.	4.5	149
8	CHARACTERIZING THE MID-INFRARED EXTRAGALACTIC SKY WITHWISEAND SDSS. Astronomical Journal, 2013, 145, 55.	4.7	146
9	HALF OF THE MOST LUMINOUS QUASARS MAY BE OBSCURED: INVESTIGATING THE NATURE OFWISE-SELECTED HOT DUST-OBSCURED GALAXIES. Astrophysical Journal, 2015, 804, 27.	4.5	138
10	THE MOST LUMINOUS GALAXIES DISCOVERED BYWISE. Astrophysical Journal, 2015, 805, 90.	4.5	129
11	SUBMILLIMETER FOLLOW-UP OFWISE-SELECTED HYPERLUMINOUS GALAXIES. Astrophysical Journal, 2012, 756, 96.	4.5	120
12	A repeating fast radio burst associated with a persistent radio source. Nature, 2022, 606, 873-877.	27.8	98
13	NuSTARANDXMM-NEWTONOBSERVATIONS OF LUMINOUS, HEAVILY OBSCURED,WISE-SELECTED QUASARS ATZâ^¼ 2. Astrophysical Journal, 2014, 794, 102.	4.5	93
14	ORIGIN OF 12 Î¼m EMISSION ACROSS GALAXY POPULATIONS FROMWISEAND SDSS SURVEYS. Astrophysical Journal, 2012, 748, 80.	4.5	76
15	A NEW POPULATION OF HIGH-z, DUSTY LyÎ± EMITTERS AND BLOBS DISCOVERED BYWISE: FEEDBACK CAUGHT IN THE ACT?. Astrophysical Journal, 2013, 769, 91.	4.5	75
16	The WISE Extended Source Catalog (WXSC). I. The 100 Largest Galaxies. Astrophysical Journal, Supplement Series, 2019, 245, 25.	7.7	74
17	THENuSTAREXTRAGALACTIC SURVEY: A FIRST SENSITIVE LOOK AT THE HIGH-ENERGY COSMIC X-RAY BACKGROUND POPULATION. Astrophysical Journal, 2013, 773, 125.	4.5	73
18	CONSTRUCTING AWISEHIGH RESOLUTION GALAXY ATLAS. Astronomical Journal, 2012, 144, 68.	4.7	65

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19	THE STRIKINGLY UNIFORM, HIGHLY TURBULENT INTERSTELLAR MEDIUM OF THE MOST LUMINOUS GALAXY IN THE UNIVERSE. Astrophysical Journal Letters, 2016, 816, L6.	8.3	58
20	Submillimetre observations of WISE-selected high-redshift, luminous, dusty galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 443, 146-157.	4.4	55
21	NuSTAR OBSERVATIONS OF WISE J1036+0449, A GALAXY AT zÂâˆ¼Â1 OBSCURED BY HOT DUST. Astrophysical Journal, 2017, 835, 105.	4.5	55
22	Frequency-dependent polarization of repeating fast radio burstsâ€"implications for their origin. Science, 2022, 375, 1266-1270.	12.6	55
23	HOT DUST OBSCURED GALAXIES WITH EXCESS BLUE LIGHT: DUAL AGN OR SINGLE AGN UNDER EXTREME CONDITIONS?. Astrophysical Journal, 2016, 819, 111.	4.5	47
24	WISE DISCOVERY OF LOW-METALLICITY BLUE COMPACT DWARF GALAXIES. Astrophysical Journal Letters, 2011, 736, L22.	8.3	46
25	Heavy X-ray obscuration in the most luminous galaxies discovered by WISE. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4528-4540.	4.4	44
26	Eddington-limited Accretion in z âˆ¼ 2 WISE-selected Hot, Dust-obscured Galaxies. Astrophysical Journal, 2018, 852, 96.	4.5	42
27	RADIO JET FEEDBACK AND STAR FORMATION IN HEAVILY OBSCURED, HYPERLUMINOUS QUASARS AT REDSHIFTS âˆ¼ 0.5â€"3. I. ALMA OBSERVATIONS. Astrophysical Journal, 2015, 813, 45.	4.5	37
28	The multiple merger assembly of a hyperluminous obscured quasar at redshift 4.6. Science, 2018, 362, 1034-1036.	12.6	36
29	Submillimetre observations of WISE/radio-selected AGN and their environments. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3325-3338.	4.4	35
30	INTERFEROMETRIC FOLLOW-UP OFWISEHYPER-LUMINOUS HOT, DUST-OBSCURED GALAXIES. Astrophysical Journal, 2014, 793, 8.	4.5	30
31	Subarcsecond?Resolution Radio Maps of Nearby Spiral Galaxies. Astronomical Journal, 2006, 132, 2383-2397.	4.7	29
32	SPITZERPHOTOMETRY OFWISE-SELECTED BROWN DWARF AND HYPER-LUMINOUS INFRARED GALAXY CANDIDATES. Astronomical Journal, 2012, 144, 148.	4.7	29
33	The Role of the Most LuminousÂObscured AGNs in Galaxy Assembly at zÂâˆ¼Â2. Astrophysical Journal, 2017, 844, 106.	4.5	28
34	Deconvolution of local surface response from topography in nanometer profilometry with a dual-scan method. Optics Letters, 1999, 24, 1732.	3.3	25
35	OPTICAL SPECTROSCOPIC SURVEY OF HIGH-LATITUDEWISE-SELECTED SOURCES. Astronomical Journal, 2012, 143, 7.	4.7	24
36	UV-BRIGHT NEARBY EARLY-TYPE GALAXIES OBSERVED IN THE MID-INFRARED: EVIDENCE FOR A MULTI-STAGE FORMATION HISTORY BY WAY OFWISEANDGALEXIMAGING. Astronomical Journal, 2013, 146, 77.	4.7	18

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37	WISEDETECTIONS OF KNOWN QSOs AT REDSHIFTS GREATER THAN SIX. Astrophysical Journal, 2013, 778, 113.	4.5	18
38	Overdensities of SMGs around WISE-selected, ultraluminous, high-redshift AGNs. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4565-4577.	4.4	18
39	Super-Eddington Accretion in the WISE-selected Extremely Luminous Infrared Galaxy W2246â^'0526. Astrophysical Journal, 2018, 868, 15.	4.5	18
40	Spectral Classification and Ionized Gas Outflows in zÂâ^¼Â2 WISE-selected Hot Dust-obscured Galaxies. Astrophysical Journal, 2020, 888, 110.	4.5	18
41	Fast Outflows in Hot Dust-obscured Galaxies Detected with Keck/NIRES. Astrophysical Journal, 2020, 905, 16.	4.5	17
42	Hot Dust-obscured Galaxies with Excess Blue Light. Astrophysical Journal, 2020, 897, 112.	4.5	16
43	The Large Dispersion and Scattering of FRB 20190520B Are Dominated by the Host Galaxy. Astrophysical Journal, 2022, 931, 87.	4.5	16
44	FIRST VIEWS OF A NEARBY LIRG: STAR FORMATION AND MOLECULAR GAS IN IRAS 04296+2923. Astronomical Journal, 2010, 140, 1294-1305.	4.7	14
45	Cold molecular gas and freeâ€“free emission from hot, dust-obscured galaxies at z â^¼ 3. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1565-1578.	4.4	12
46	THE INFRARED PROPERTIES OF SOURCES MATCHED IN THE WISE ALL-SKY AND HERSCHEL ATLAS SURVEYS. Astrophysical Journal Letters, 2012, 750, L18.	8.3	11
47	WISE J233237.05â€“505643.5: A DOUBLE-PEAKED, BROAD-LINED ACTIVE GALACTIC NUCLEUS WITH A SPIRAL-SHAPED RADIO MORPHOLOGY. Astrophysical Journal, 2013, 779, 41.	4.5	11
48	LOCATING THE YOUNGEST H II REGIONS IN M82 WITH 7 mm CONTINUUM MAPS. Astronomical Journal, 2009, 137, 4655-4669.	4.7	10
49	THE TAIWAN ECDFS NEAR-INFRARED SURVEY: VERY BRIGHT END OF THE LUMINOSITY FUNCTION ATz> 7. Astrophysical Journal, 2012, 749, 88.	4.5	10
50	THE CIRCUMNUCLEAR STAR FORMATION ENVIRONMENT OF NGC 6946: Br Î³ AND H₂RESULTS FROM KECK INTEGRAL FIELD SPECTROSCOPY. Astrophysical Journal, 2013, 776, 70.	4.5	10
51	Kinematics and star formation of high-redshift hot dust-obscured quasars as seen by ALMA. Astronomy and Astrophysics, 2021, 654, A37.	5.1	10
52	PROPERTIES OF INTERSTELLAR MEDIUM IN INFRARED-BRIGHT QSOs PROBED BY [O i] 63 Î¼m AND [C ii] 158 Î¼m EMISSION LINES*. Astrophysical Journal, 2016, 824, 146.	4.5	9
53	Supermassive binary black hole evolution can be traced by a small SKA pulsar timing array. Physical Review D, 2020, 102, .	4.7	9
54	The environments of luminous radio-WISE selected infrared galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 483, 514-528.	4.4	8

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55	Deep Simultaneous Limits on Optical Emission from FRB 20190520B by 24.4 fps Observations with Tomo-e Gozen. Astrophysical Journal, 2022, 931, 109.	4.5	8
56	The 2.4 Î¼m Galaxy Luminosity Function As Measured Using WISE. I. Measurement Techniques. Astronomical Journal, 2017, 153, 189.	4.7	5
57	The 2.4 Î¼m Galaxy Luminosity Function as Measured Using WISE. III. Measurement Results. Astrophysical Journal, 2018, 866, 45.	4.5	3
58	SUBMILLIMETER OBSERVATIONS OF DENSE CLUMPS IN THE INFRARED DARK CLOUD G049.40-00.01. Astrophysical Journal, 2011, 743, 198.	4.5	2
59	The Contribution of Galaxies to the 3.4 Î¼m Cosmic Infrared Background as Measured Using WISE. Astrophysical Journal, 2019, 887, 207.	4.5	2
60	The black hole masses of extremely luminous radio-WISE selected galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1527-1548.	4.4	2
61	The 2.4 Î¼m Galaxy Luminosity Function as Measured Using WISE. II. Sample Selection. Astrophysical Journal, 2018, 866, 44.	4.5	1
62	The Potential of Detecting Radio-flaring Ultracool Dwarfs at L band in the FAST Drift-scan Survey. Research in Astronomy and Astrophysics, 2022, 22, 065013.	1.7	1
63	An exploration of how training set composition bias in machine learning affects identifying rare objects. Astronomy and Computing, 2022, 40, 100617.	1.7	1
64	Deconvolution of local surface response from surface topography in optical profilometry by a dual-scan method. , 0, , .		0
65	Mid-infrared [NeII] Imaging of Young Massive Star Clusters Near Galactic Nuclei. Proceedings of the International Astronomical Union, 2015, 12, 161-162.	0.0	0