

Chao-Wei Tsai

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

9,982
citations

159585

30
h-index

114465

63
g-index

66
all docs

66
docs citations

66
times ranked

8705
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency-dependent polarization of repeating fast radio burstsâ€”implications for their origin. <i>Science</i> , 2022, 375, 1266-1270.	12.6	55
2	The Potential of Detecting Radio-flaring Ultracool Dwarfs at L band in the FAST Drift-scan Survey. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 065013.	1.7	1
3	The Large Dispersion and Scattering of FRB 20190520B Are Dominated by the Host Galaxy. <i>Astrophysical Journal</i> , 2022, 931, 87.	4.5	16
4	Deep Simultaneous Limits on Optical Emission from FRB 20190520B by 24.4 fps Observations with Tomo-e Gozen. <i>Astrophysical Journal</i> , 2022, 931, 109.	4.5	8
5	A repeating fast radio burst associated with a persistent radio source. <i>Nature</i> , 2022, 606, 873-877.	27.8	98
6	An exploration of how training set composition bias in machine learning affects identifying rare objects. <i>Astronomy and Computing</i> , 2022, 40, 100617.	1.7	1
7	The black hole masses of extremely luminous radio- <i>WISE</i> selected galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1527-1548.	4.4	2
8	Kinematics and star formation of high-redshift hot dust-obscured quasars as seen by ALMA. <i>Astronomy and Astrophysics</i> , 2021, 654, A37.	5.1	10
9	Cold molecular gas and free-free emission from hot, dust-obscured galaxies at $z \sim 3$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1565-1578.	4.4	12
10	Supermassive binary black hole evolution can be traced by a small SKA pulsar timing array. <i>Physical Review D</i> , 2020, 102, .	4.7	9
11	Spectral Classification and Ionized Gas Outflows in $z \sim 2$ WISE-selected Hot Dust-obscured Galaxies. <i>Astrophysical Journal</i> , 2020, 888, 110.	4.5	18
12	Hot Dust-obscured Galaxies with Excess Blue Light. <i>Astrophysical Journal</i> , 2020, 897, 112.	4.5	16
13	Fast Outflows in Hot Dust-obscured Galaxies Detected with Keck/NIRES. <i>Astrophysical Journal</i> , 2020, 905, 16.	4.5	17
14	The Contribution of Galaxies to the $3.4 \mu\text{m}$ Cosmic Infrared Background as Measured Using WISE. <i>Astrophysical Journal</i> , 2019, 887, 207.	4.5	2
15	The WISE Extended Source Catalog (WXSC). I. The 100 Largest Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 25.	7.7	74
16	The environments of luminous radio-WISE selected infrared galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 514-528.	4.4	8
17	Heavy X-ray obscuration in the most luminous galaxies discovered by WISE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4528-4540.	4.4	44
18	Super-Eddington Accretion in the WISE-selected Extremely Luminous Infrared Galaxy W2246â”0526. <i>Astrophysical Journal</i> , 2018, 868, 15.	4.5	18

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19	The multiple merger assembly of a hyperluminous obscured quasar at redshift 4.6. <i>Science</i> , 2018, 362, 1034-1036.	12.6	36
20	The 2.4 μ m Galaxy Luminosity Function as Measured Using WISE. III. Measurement Results. <i>Astrophysical Journal</i> , 2018, 866, 45.	4.5	3
21	The 2.4 μ m Galaxy Luminosity Function as Measured Using WISE. II. Sample Selection. <i>Astrophysical Journal</i> , 2018, 866, 44.	4.5	1
22	Eddington-limited Accretion in $z \sim 2$ WISE-selected Hot, Dust-obscured Galaxies. <i>Astrophysical Journal</i> , 2018, 852, 96.	4.5	42
23	NuSTAR OBSERVATIONS OF WISE J1036+0449, A GALAXY AT $z \sim 1$ OBSCURED BY HOT DUST. <i>Astrophysical Journal</i> , 2017, 835, 105.	4.5	55
24	The 2.4 μ m Galaxy Luminosity Function As Measured Using WISE. I. Measurement Techniques. <i>Astronomical Journal</i> , 2017, 153, 189.	4.7	5
25	The Role of the Most Luminous Obscured AGNs in Galaxy Assembly at $z \sim 2$. <i>Astrophysical Journal</i> , 2017, 844, 106.	4.5	28
26	Overdensities of SMGs around WISE-selected, ultraluminous, high-redshift AGNs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4565-4577.	4.4	18
27	PROPERTIES OF INTERSTELLAR MEDIUM IN INFRARED-BRIGHT QSOs PROBED BY [O iii] 63 μ m AND [C ii] 158 μ m EMISSION LINES*. <i>Astrophysical Journal</i> , 2016, 824, 146.	4.5	9
28	HOT DUST OBSCURED GALAXIES WITH EXCESS BLUE LIGHT: DUAL AGN OR SINGLE AGN UNDER EXTREME CONDITIONS?. <i>Astrophysical Journal</i> , 2016, 819, 111.	4.5	47
29	THE STRIKINGLY UNIFORM, HIGHLY TURBULENT INTERSTELLAR MEDIUM OF THE MOST LUMINOUS GALAXY IN THE UNIVERSE. <i>Astrophysical Journal Letters</i> , 2016, 816, L6.	8.3	58
30	RADIO JET FEEDBACK AND STAR FORMATION IN HEAVILY OBSCURED, HYPERLUMINOUS QUASARS AT REDSHIFTS $z \sim 0.5$ – 3 . I. ALMA OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 813, 45.	4.5	37
31	Mid-infrared [Nell] Imaging of Young Massive Star Clusters Near Galactic Nuclei. <i>Proceedings of the International Astronomical Union</i> , 2015, 12, 161-162.	0.0	0
32	THE MOST LUMINOUS GALAXIES DISCOVERED BY WISE. <i>Astrophysical Journal</i> , 2015, 805, 90.	4.5	129
33	HALF OF THE MOST LUMINOUS QUASARS MAY BE OBSCURED: INVESTIGATING THE NATURE OF WISE-SELECTED HOT DUST-OBSCURED GALAXIES. <i>Astrophysical Journal</i> , 2015, 804, 27.	4.5	138
34	Submillimetre observations of WISE/radio-selected AGN and their environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 3325-3338.	4.4	35
35	INTERFEROMETRIC FOLLOW-UP OF WISE-HYPER-LUMINOUS HOT, DUST-OBSCURED GALAXIES. <i>Astrophysical Journal</i> , 2014, 793, 8.	4.5	30
36	Submillimetre observations of WISE-selected high-redshift, luminous, dusty galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 146-157.	4.4	55

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37	<i>NuSTAR</i> AND <i>XMM-NEWTON</i> OBSERVATIONS OF LUMINOUS, HEAVILY OBSCURED, <i>WISE</i>-SELECTED QUASARS AT $z \approx 2$. <i>Astrophysical Journal</i> , 2014, 794, 102.	4.5	93
38	LIV-BRIGHT NEARBY EARLY-TYPE GALAXIES OBSERVED IN THE MID-INFRARED: EVIDENCE FOR A MULTI-STAGE FORMATION HISTORY BY WAY OF <i>WISE</i> AND <i>GALEX</i> IMAGING. <i>Astronomical Journal</i> , 2013, 146, 77.	4.7	18
39	THE CIRCUMNUCLEAR STAR FORMATION ENVIRONMENT OF NGC 6946: Br λ 4300 AND H α RESULTS FROM KECK INTEGRAL FIELD SPECTROSCOPY. <i>Astrophysical Journal</i> , 2013, 776, 70.	4.5	10
40	THE <i>NuSTAR</i> EXTRAGALACTIC SURVEY: A FIRST SENSITIVE LOOK AT THE HIGH-ENERGY COSMIC X-RAY BACKGROUND POPULATION. <i>Astrophysical Journal</i> , 2013, 773, 125.	4.5	73
41	WISE J233237.05+505643.5: A DOUBLE-PEAKED, BROAD-LINED ACTIVE GALACTIC NUCLEUS WITH A SPIRAL-SHAPED RADIO MORPHOLOGY. <i>Astrophysical Journal</i> , 2013, 779, 41.	4.5	11
42	A NEW POPULATION OF HIGH- z , DUSTY Ly α EMITTERS AND BLOBS DISCOVERED BY <i>WISE</i>: FEEDBACK CAUGHT IN THE ACT?. <i>Astrophysical Journal</i> , 2013, 769, 91.	4.5	75
43	<i>WISE</i> DETECTIONS OF KNOWN QSOs AT REDSHIFTS GREATER THAN SIX. <i>Astrophysical Journal</i> , 2013, 778, 113.	4.5	18
44	MID-INFRARED SELECTION OF ACTIVE GALACTIC NUCLEI WITH THE <i>WIDE-FIELD INFRARED SURVEY EXPLORER</i>. II. PROPERTIES OF <i>WISE</i>-SELECTED ACTIVE GALACTIC NUCLEI IN THE NDWFS BOA--TES FIELD. <i>Astrophysical Journal</i> , 2013, 772, 26.	4.5	316
45	EXTENDING THE NEARBY GALAXY HERITAGE WITH <i>WISE</i>: FIRST RESULTS FROM THE <i>WISE</i>-ENHANCED RESOLUTION GALAXY ATLAS. <i>Astronomical Journal</i> , 2013, 145, 6.	4.7	236
46	CHARACTERIZING THE MID-INFRARED EXTRAGALACTIC SKY WITH <i>WISE</i> AND SDSS. <i>Astronomical Journal</i> , 2013, 145, 55.	4.7	146
47	CONSTRUCTING A <i>WISE</i> HIGH RESOLUTION GALAXY ATLAS. <i>Astronomical Journal</i> , 2012, 144, 68.	4.7	65
48	<i>SPITZER</i> PHOTOMETRY OF <i>WISE</i>-SELECTED BROWN DWARF AND HYPER-LUMINOUS INFRARED GALAXY CANDIDATES. <i>Astronomical Journal</i> , 2012, 144, 148.	4.7	29
49	OPTICAL SPECTROSCOPIC SURVEY OF HIGH-LATITUDE <i>WISE</i>-SELECTED SOURCES. <i>Astronomical Journal</i> , 2012, 143, 7.	4.7	24
50	SUBMILLIMETER FOLLOW-UP OF <i>WISE</i>-SELECTED HYPERLUMINOUS GALAXIES. <i>Astrophysical Journal</i> , 2012, 756, 96.	4.5	120
51	MID-INFRARED SELECTION OF ACTIVE GALACTIC NUCLEI WITH THE <i>WIDE-FIELD INFRARED SURVEY EXPLORER</i>. I. CHARACTERIZING <i>WISE</i>-SELECTED ACTIVE GALACTIC NUCLEI IN COSMOS. <i>Astrophysical Journal</i> , 2012, 753, 30.	4.5	637
52	THE INFRARED PROPERTIES OF SOURCES MATCHED IN THE <i>WISE</i> ALL-SKY AND <i>HERSCHEL</i> ATLAS SURVEYS. <i>Astrophysical Journal Letters</i> , 2012, 750, L18.	8.3	11
53	THE FIRST HYPER-LUMINOUS INFRARED GALAXY DISCOVERED BY <i>WISE</i>. <i>Astrophysical Journal</i> , 2012, 755, 173.	4.5	149
54	ORIGIN OF 12 μ m EMISSION ACROSS GALAXY POPULATIONS FROM <i>WISE</i> AND SDSS SURVEYS. <i>Astrophysical Journal</i> , 2012, 748, 80.	4.5	76

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55	THE TAIWAN ECDFS NEAR-INFRARED SURVEY: VERY BRIGHT END OF THE LUMINOSITY FUNCTION AT $z > 7$. <i>Astrophysical Journal</i> , 2012, 749, 88.	4.5	10
56	<i>WISE</i> DISCOVERY OF LOW-METALLICITY BLUE COMPACT DWARF GALAXIES. <i>Astrophysical Journal Letters</i> , 2011, 736, L22.	8.3	46
57	SUBMILLIMETER OBSERVATIONS OF DENSE CLUMPS IN THE INFRARED DARK CLOUD G049.40-00.01. <i>Astrophysical Journal</i> , 2011, 743, 198.	4.5	2
58	THE <i>SPITZER</i> - <i>WISE</i> SURVEY OF THE ECLIPTIC POLES. <i>Astrophysical Journal</i> , 2011, 735, 112.	4.5	536
59	THE FIRST HUNDRED BROWN DWARFS DISCOVERED BY THE <i>WIDE-FIELD INFRARED SURVEY EXPLORER</i> (<i>WISE</i>). <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 19.	7.7	317
60	FIRST VIEWS OF A NEARBY LIRG: STAR FORMATION AND MOLECULAR GAS IN IRAS 04296+2923. <i>Astronomical Journal</i> , 2010, 140, 1294-1305.	4.7	14
61	THE <i>WIDE-FIELD INFRARED SURVEY EXPLORER</i> (<i>WISE</i>): MISSION DESCRIPTION AND INITIAL ON-ORBIT PERFORMANCE. <i>Astronomical Journal</i> , 2010, 140, 1868-1881.	4.7	5,751
62	LOCATING THE YOUNGEST H II REGIONS IN M82 WITH 7 mm CONTINUUM MAPS. <i>Astronomical Journal</i> , 2009, 137, 4655-4669.	4.7	10
63	Subarcsecond Resolution Radio Maps of Nearby Spiral Galaxies. <i>Astronomical Journal</i> , 2006, 132, 2383-2397.	4.7	29
64	Deconvolution of local surface response from topography in nanometer profilometry with a dual-scan method. <i>Optics Letters</i> , 1999, 24, 1732.	3.3	25
65	Deconvolution of local surface response from surface topography in optical profilometry by a dual-scan method. , 0, , .		0