Wen Fai Fong

List of Publications by Year
in descending order

101 papers	9,792 citations	30068 54 h-index	34984 98 g-index
101 all docs	101 docs citations	101 times ranked	6020 citing authors

#	Article	IF	Citations
1	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. Astronomical Journal, 2022, 163, 69.	4.7	91
2	Hubble Space Telescope Observations of GW170817: Complete Light Curves and the Properties of the Galaxy Merger of NGC 4993. Astrophysical Journal, 2022, 926, 49.	4.5	16
3	Evidence for X-Ray Emission in Excess to the Jet-afterglow Decay 3.5 yr after the Binary Neutron Star Merger GW 170817: A New Emission Component. Astrophysical Journal Letters, 2022, 927, L17.	8.3	41
4	A Systematic Exploration of Kilonova Candidates from Neutron Star Mergers during the Third Gravitational-wave Observing Run. Astrophysical Journal, 2022, 927, 50.	4.5	6
5	First discoveries and localizations of Fast Radio Bursts with MeerTRAP: real-time, commensal MeerKAT survey. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1961-1974.	4.4	8
6	Deep Optical Observations Contemporaneous with Emission from the Periodic FRB 180916.J0158+65. Astrophysical Journal Letters, 2021, 907, L3.	8.3	18
7	SNÂ2017gci: a nearby Type I Superluminous Supernova with a bumpy tail. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2120-2139.	4.4	16
8	GRB 180418A: A Possibly Short Gamma-Ray Burst with a Wide-angle Outflow in a Faint Host Galaxy. Astrophysical Journal, 2021, 912, 95.	4.5	8
9	Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): Observations and Analysis from Advanced LIGO/Virgo's Third Observing Run. Astrophysical Journal, 2021, 912, 128.	4.5	24
10	A High-resolution View of Fast Radio Burst Host Environments. Astrophysical Journal, 2021, 917, 75.	4.5	41
11	Probing Kilonova Ejecta Properties Using a Catalog of Short Gamma-Ray Burst Observations. Astrophysical Journal, 2021, 916, 89.	4.5	20
12	Chronicling the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. Astrophysical Journal Letters, 2021, 919, L23.	8.3	45
13	The Broadband Counterpart of the Short GRB 200522A at zÂ=Â0.5536: A Luminous Kilonova or a Collimated Outflow with a Reverse Shock?. Astrophysical Journal, 2021, 906, 127.	4.5	48
14	A Late-time Galaxy-targeted Search for the Radio Counterpart of GW190814. Astrophysical Journal, 2021, 923, 66.	4.5	16
15	On the Rate of Neutron Star Binary Mergers from Globular Clusters. Astrophysical Journal Letters, 2020, 888, L10.	8.3	115
16	The slow demise of the long-lived SN 2005ip. Monthly Notices of the Royal Astronomical Society, 2020, 498, 517-531.	4.4	15
17	A Mildly Relativistic Outflow from the Energetic, Fast-rising Blue Optical Transient CSS161010 in a Dwarf Galaxy. Astrophysical Journal Letters, 2020, 895, L23.	8.3	70
18	A new and unusual LBV-like outburst from a Wolfâ€“Rayet star in the outskirts of M33. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5897-5915.	4.4	12

#	Article	IF	Citations
19	An extremely energetic supernova from a very massive star in a dense medium. Nature Astronomy, 2020, 4, 893-899.	10.1	31
20	Constraining Type Iax supernova progenitor systems with stellar population age dating. Monthly Notices of the Royal Astronomical Society, 2020, 493, 986-1002.	4.4	12
21	A Late-time Radio Survey of Short Gamma-ray Bursts at zÂ <Â 0.5: New Constraints on the Remnants of Neutron-star Mergers. Astrophysical Journal, 2020, 902, 82.	4.5	31
22	Host Galaxy Properties and Offset Distributions of Fast Radio Bursts: Implications for Their Progenitors. Astrophysical Journal, 2020, 903, 152.	4.5	148
23	The Distant, Galaxy Cluster Environment of the Short GRB 161104A at z âˆ¼ 0.8 and a Comparison to the Short GRB Host Population. Astrophysical Journal, 2020, 904, 52.	4.5	17
24	Forward Modeling of Double Neutron Stars: Insights from Highly Offset Short Gamma-Ray Bursts. Astrophysical Journal, 2020, 904, 190.	4.5	13
25	Discovery of the Optical Afterglow and Host Galaxy of Short GRB 181123B at zÂ=Â1.754: Implications for Delay Time Distributions. Astrophysical Journal Letters, 2020, 898, L32.	8.3	24
26	Confronting the Magnetar Interpretation of Fast Radio Bursts through Their Host Galaxy Demographics. Astrophysical Journal Letters, 2020, 905, L30.	8.3	16
27	X-Ray Emission from GW170817 âˆ¼2.5 years After the Merger. Research Notes of the AAS, 2020, 4, 68.	0.7	10
28	Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/Virgoâ€™s Third Observing Run. Astrophysical Journal Letters, 2019, 881, L26.	8.3	41
29	The Optical Afterglow of GW170817: An Off-axis Structured Jet and Deep Constraints on a Globular Cluster Origin. Astrophysical Journal Letters, 2019, 883, L1.	8.3	69
30	Follow-up of the Neutron Star Bearing Gravitational-wave Candidate Events S190425z and S190426c with MMT and SOAR. Astrophysical Journal Letters, 2019, 880, L4.	8.3	63
31	ALMA Detection of a Linearly Polarized Reverse Shock in GRB 190114C. Astrophysical Journal Letters, 2019, 878, L26.	8.3	45
32	An Unexpectedly Small Emission Region Size Inferred from Strong High-frequency Diffractive Scintillation in GRB 161219B. Astrophysical Journal, 2019, 870, 67.	4.5	12
33	An Embedded X-Ray Source Shines through the Aspherical ATÂ2018cow: Revealing the Inner Workings of the Most Luminous Fast-evolving Optical Transients. Astrophysical Journal, 2019, 872, 18.	4.5	160
34	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. Astrophysical Journal Letters, 2019, 873, L24.	8.3	14
35	Two Years of Nonthermal Emission from the Binary Neutron Star Merger GW170817: Rapid Fading of the Jet Afterglow and First Constraints on the Kilonova Fastest Ejecta. Astrophysical Journal Letters, 2019, 886, L17.	8.3	117
36	A Galaxy-targeted Search for the Optical Counterpart of the Candidate NSâ€“BH Merger S190814bv with Magellan. Astrophysical Journal Letters, 2019, 884, L55.	8.3	50

#	Article	IF	Citations
37	A Reverse Shock in GRB 181201A. Astrophysical Journal, 2019, 884, 121.	4.5	37
38	The Binary Neutron Star Event LIGO/Virgo GW170817 160 Days after Merger: Synchrotron Emission across the Electromagnetic Spectrum. Astrophysical Journal Letters, 2018, 856, L18.	8.3	258
39	SN 2013fs and SN 2013fr: exploring the circumstellar-material diversity in Type II supernovae. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1497-1518.	4.4	32
40	An Empirical Study of Contamination in Deep, Rapid, and Wide-field Optical Follow-up of Gravitational Wave Events. Astrophysical Journal, 2018, 858, 18.	4.5	10
41	A Precise Distance to the Host Galaxy of the Binary Neutron Star Merger GW170817 Using Surface Brightness Fluctuations^{â^—}. Astrophysical Journal Letters, 2018, 854, L31.	8.3	99
42	The Type I Superluminous Supernova PS16aqv: Lightcurve Complexity and Deep Limits on Radioactive Ejecta in a Fast Event. Astrophysical Journal, 2018, 865, 9.	4.5	25
43	The Properties of GRB 120923A at a Spectroscopic Redshift of zÂâ‰ˆÂ7.8. Astrophysical Journal, 2018, 865, 107.	4.5	23
44	A Decline in the X-Ray through Radio Emission from GW170817 Continues to Support an Off-axis Structured Jet. Astrophysical Journal Letters, 2018, 863, L18.	8.3	138
45	Jets in Hydrogen-poor Superluminous Supernovae: Constraints from a Comprehensive Analysis of Radio Observations. Astrophysical Journal, 2018, 856, 56.	4.5	30
46	Hydrogen-poor Superluminous Supernovae from the Pan-STARRS1 Medium Deep Survey. Astrophysical Journal, 2018, 852, 81.	4.5	88
47	First ALMA Light Curve Constrains Refreshed Reverse Shocks and Jet Magnetization in GRB 161219B. Astrophysical Journal, 2018, 862, 94.	4.5	32
48	A VLA Study of High-redshift GRBs. I. Multiwavelength Observations and Modeling of GRB 140311A. Astrophysical Journal, 2018, 858, 65.	4.5	20
49	A VLA Study of High-redshift GRBs. II. The Complex Radio Afterglow of GRB 140304A: Shell Collisions and Two Reverse Shocks. Astrophysical Journal, 2018, 859, 134.	4.5	24
50	Ejection of the Massive Hydrogen-rich Envelope Timed with the Collapse of the Stripped SN 2014C. Astrophysical Journal, 2017, 835, 140.	4.5	129
51	A Reverse Shock and Unusual Radio Properties in GRB 160625B. Astrophysical Journal, 2017, 848, 69.	4.5	46
52	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models. Astrophysical Journal Letters, 2017, 848, L17.	8.3	656
53	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. III. Optical and UV Spectra of a Blue Kilonova from Fast Polar Ejecta. Astrophysical Journal Letters, 2017, 848, L18.	8.3	327
54	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. IV. Detection of Near-infrared Signatures of r-process Nucleosynthesis with Gemini-South. Astrophysical Journal Letters, 2017, 848, L19.	8.3	390

#	Article	IF	Citations
55	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. V. Rising X-Ray Emission from an Off-axis Jet. Astrophysical Journal Letters, 2017, 848, L20.	8.3	313
56	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VIII. A Comparison to Cosmological Short-duration Gamma-Ray Bursts. Astrophysical Journal Letters, 2017, 848, L23.	8.3	103
57	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VII. Properties of the Host Galaxy and Constraints on the Merger Timescale. Astrophysical Journal Letters, 2017, 848, L22.	8.3	107
58	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. Astrophysical Journal Letters, 2017, 848, L16.	8.3	392
59	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VI. Radio Constraints on a Relativistic Jet and Predictions for Late-time Emission from the Kilonova Ejecta. Astrophysical Journal Letters, 2017, 848, L21.	8.3	266
60	Optical Follow-up of Gravitational-wave Events with Las Cumbres Observatory. Astrophysical Journal Letters, 2017, 848, L33.	8.3	80
61	Endurance of SN 2005ip after a decade: X-rays, radio and HÎ± like SN 1988Z require long-lived pre-supernova mass-loss. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3021-3034.	4.4	52
62	The Combined Ultraviolet, Optical, and Near-infrared Light Curves of the Kilonova Associated with the Binary Neutron Star Merger GW170817: Unified Data Set, Analytic Models, and Physical Implications. Astrophysical Journal Letters, 2017, 851, L21.	8.3	369
63	Improved Constraints on H₀ from a Combined Analysis of Gravitational-wave and Electromagnetic Emission from GW170817. Astrophysical Journal Letters, 2017, 851, L36.	8.3	85
64	PS1-14bj: A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA WITH A LONG RISE AND SLOW DECAY. Astrophysical Journal, 2016, 831, 144.	4.5	68
65	RADIO CONSTRAINTS ON LONG-LIVED MAGNETAR REMNANTS IN SHORT GAMMA-RAY BURSTS. Astrophysical Journal, 2016, 831, 141.	4.5	54
66	A REVERSE SHOCK IN GRB 160509A. Astrophysical Journal, 2016, 833, 88.	4.5	63
67	THE OFFSET AND HOST LIGHT DISTRIBUTIONS OF LONG GAMMA-RAY BURSTS: A NEW VIEW FROM HST OBSERVATIONS OF SWIFT BURSTS. Astrophysical Journal, 2016, 817, 144.	4.5	106
68	THE DOUBLE-PEAKED SN 2013ge: A TYPE Ib/c SN WITH AN ASYMMETRIC MASS EJECTION OR AN EXTENDED PROGENITOR ENVELOPE. Astrophysical Journal, 2016, 821, 57.	4.5	64
69	A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L33.	8.3	55
70	A DARK ENERGY CAMERA SEARCH FOR MISSING SUPERGIANTS IN THE LMC AFTER THE ADVANCED LIGO GRAVITATIONAL-WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L34.	8.3	20
71	A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. Astrophysical Journal Letters, 2016, 826, L29.	8.3	38
72	THE AFTERGLOW AND EARLY-TYPE HOST GALAXY OF THE SHORT GRB 150101B AT zÂ=Â0.1343. Astrophysical Journal, 2016, 833, 151.	4.5	62

#	Article	IF	Citations
73	THE SWIFT GAMMA-RAY BURST HOST GALAXY LEGACY SURVEY. I. SAMPLE SELECTION AND REDSHIFT DISTRIBUTION. Astrophysical Journal, 2016, 817, 7.	4.5	103
74	ENERGY INJECTION IN GAMMA-RAY BURST AFTERGLOWS. Astrophysical Journal, 2015, 814, 1.	4.5	63
75	METAMORPHOSIS OF SN 2014C: DELAYED INTERACTION BETWEEN A HYDROGEN POOR CORE-COLLAPSE SUPERNOVA AND A NEARBY CIRCUMSTELLAR SHELL. Astrophysical Journal, 2015, 815, 120.	4.5	105
76	A DECADE OF SHORT-DURATION GAMMA-RAY BURST BROADBAND AFTERGLOWS: ENERGETICS, CIRCUMBURST DENSITIES, AND JET OPENING ANGLES. Astrophysical Journal, 2015, 815, 102.	4.5	384
77	ZOOMING IN ON THE PROGENITORS OF SUPERLUMINOUS SUPERNOVAE WITH THEHST. Astrophysical Journal, 2015, 804, 90.	4.5	86
78	RAPIDLY EVOLVING AND LUMINOUS TRANSIENTS FROM PAN-STARRS1. Astrophysical Journal, 2014, 794, 23.	4.5	254
79	POSSIBLE DETECTION OF THE STELLAR DONOR OR REMNANT FOR THE TYPE Iax SUPERNOVA 2008ha. Astrophysical Journal, 2014, 792, 29.	4.5	60
80	HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE AND LONG-DURATION GAMMA-RAY BURSTS HAVE SIMILAR HOST GALAXIES. Astrophysical Journal, 2014, 787, 138.	4.5	221
81	THE ULTRAVIOLET-BRIGHT, SLOWLY DECLINING TRANSIENT PS1-11af AS A PARTIAL TIDAL DISRUPTION EVENT. Astrophysical Journal, 2014, 780, 44.	4.5	166
82	GRB 120521C ATzâ¼ 6 AND THE PROPERTIES OF HIGH-REDSHIFT Î³-RAY BURSTS. Astrophysical Journal, 2014, 781, 1.	4.5	71
83	A PANCHROMATIC VIEW OF THE RESTLESS SN 2009ip REVEALS THE EXPLOSIVE EJECTION OF A MASSIVE STAR ENVELOPE. Astrophysical Journal, 2014, 780, 21.	4.5	182
84	SHORT GRB 130603B: DISCOVERY OF A JET BREAK IN THE OPTICAL AND RADIO AFTERGLOWS, AND A MYSTERIOUS LATE-TIME X-RAY EXCESS. Astrophysical Journal, 2014, 780, 118.	4.5	142
85	A luminous, blue progenitor system for the type Iax supernova 2012Z. Nature, 2014, 512, 54-56.	27.8	136
86	DEMOGRAPHICS OF THE GALAXIES HOSTING SHORT-DURATION GAMMA-RAY BURSTS. Astrophysical Journal, 2013, 769, 56.	4.5	152
87	ILLUMINATING THE DARKEST GAMMA-RAY BURSTS WITH RADIO OBSERVATIONS. Astrophysical Journal, 2013, 767, 161.	4.5	27
88	GRB 130606A AS A PROBE OF THE INTERGALACTIC MEDIUM AND THE INTERSTELLAR MEDIUM IN A STAR-FORMING GALAXY IN THE FIRST Gyr AFTER THE BIG BANG. Astrophysical Journal, 2013, 774, 26.	4.5	77
89	PS1-10bzj: A FAST, HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA IN A METAL-POOR HOST GALAXY. Astrophysical Journal, 2013, 771, 97.	4.5	79
90	PS1-10afx ATz= 1.388: PAN-STARRS1 DISCOVERY OF A NEW TYPE OF SUPERLUMINOUS SUPERNOVA. Astrophysical Journal, 2013, 767, 162.	4.5	56

#	Article	IF	Citations
91	AN r -PROCESS KILONOVA ASSOCIATED WITH THE SHORT-HARD GRB 130603B. Astrophysical Journal Letters, 2013, 774, L23.	8.3	399
92	THE LOCATIONS OF SHORT GAMMA-RAY BURSTS AS EVIDENCE FOR COMPACT OBJECT BINARY PROGENITORS. Astrophysical Journal, 2013, 776, 18.	4.5	236
93	THE AFTERGLOW AND ULIRG HOST GALAXY OF THE DARK SHORT GRB 120804A. Astrophysical Journal, 2013, 765, 121.	4.5	41
94	Rest et al. reply. Nature, 2012, 486, E1-E2.	27.8	1
95	THE AFTERGLOW AND ENVIRONMENT OF THE SHORT GRB 111117A. Astrophysical Journal, 2012, 756, 63.	4.5	28
96	A JET BREAK IN THE X-RAY LIGHT CURVE OF SHORT GRB 111020A: IMPLICATIONS FOR ENERGETICS AND RATES. Astrophysical Journal, 2012, 756, 189.	4.5	101
97	Light echoes reveal an unexpectedly cool Î·â€‰Carinae during its nineteenth-century Great Eruption. Nature, 2012, 482, 375-378.	27.8	68
98	EVLA OBSERVATIONS CONSTRAIN THE ENVIRONMENT AND PROGENITOR SYSTEM OF Type Ia SUPERNOVA 2011fe. Astrophysical Journal, 2012, 750, 164.	4.5	154
99	THE OPTICAL AFTERGLOW ANDz= 0.92 EARLY-TYPE HOST GALAXY OF THE SHORT GRB 100117A. Astrophysical Journal, 2011, 730, 26.	4.5	53
100	HUBBLE SPACE TELESCOPEOBSERVATIONS OF SHORT GAMMA-RAY BURST HOST GALAXIES: MORPHOLOGIES, OFFSETS, AND LOCAL ENVIRONMENTS. Astrophysical Journal, 2010, 708, 9-25.	4.5	196
101	Understanding the saturation of proton-driven Weibel instabilities and implications for astrophysics. Physics of Plasmas, 2007, 14, 012901.	1.9	7