Yen-Chen Pan

List of Publications by Year
in descending order

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57 papers	5,101 citations	108046 37 h-index	169272 56 g-index
58 all docs	58 docs citations	58 times ranked	4721 citing authors

#	Article	IF	Citations
1	Third data release of the Hyper Suprime-Cam Subaru Strategic Program. Publication of the Astronomical Society of Japan, 2022, 74, 247-272.	1.0	117
2	Final Moments. I. Precursor Emission, Envelope Inflation, and Enhanced Mass Loss Preceding the Luminous Type II Supernova 2020tlf. Astrophysical Journal, 2022, 924, 15.	1.6	59
3	A Carbon/Oxygen-dominated Atmosphere Days after Explosion for the â€œSuper-Chandrasekharâ€•Type Ia SN 2020esm. Astrophysical Journal, 2022, 927, 78.	1.6	15
4	MUSSES2020J: The Earliest Discovery of a Fast Blue Ultraluminous Transient at Redshift 1.063. Astrophysical Journal Letters, 2022, 933, L36.	3.0	7
5	Cosmological Results from the RAISIN Survey: Using Type Ia Supernovae in the Near Infrared as a Novel Path to Measure the Dark Energy Equation of State. Astrophysical Journal, 2022, 933, 172.	1.6	25
6	The Young Supernova Experiment: Survey Goals, Overview, and Operations. Astrophysical Journal, 2021, 908, 143.	1.6	52
7	Constraints on the Rate of Supernovae Lasting for More Than a Year from Subaru/Hyper Suprime-Cam. Astrophysical Journal, 2021, 908, 249.	1.6	4
8	The Palomar Transient Factory Core-collapse Supernova Host-galaxy Sample. I. Host-galaxy Distribution Functions and Environment Dependence of Core-collapse Supernovae. Astrophysical Journal, Supplement Series, 2021, 255, 29.	3.0	56
9	Can the Helium-detonation Model Explain the Observed Diversity of Type Ia Supernovae?. Astrophysical Journal, 2021, 906, 99.	1.6	18
10	SALT3: An Improved Type Ia Supernova Model for Measuring Cosmic Distances. Astrophysical Journal, 2021, 923, 265.	1.6	40
11	The Foundation Supernova Survey: Photospheric Velocity Correlations in Type Ia Supernovae. Astrophysical Journal, 2021, 923, 267.	1.6	7
12	SN 2018agk: A Prototypical Type Ia Supernova with a Smooth Power-law Rise in Kepler (K2). Astrophysical Journal, 2021, 923, 167.	1.6	10
13	High-velocity Type Ia Supernova Has a Unique Host Environment. Astrophysical Journal Letters, 2020, 895, L5.	3.0	19
14	Swift UVOT grism observations of nearby Type Ia supernovae â€“ II. Probing the progenitor metallicity of SNe Ia with ultraviolet spectra. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5897-5910.	1.6	13
15	First Cosmology Results using Supernovae Ia from the Dark Energy Survey: Survey Overview, Performance, and Supernova Spectroscopy. Astronomical Journal, 2020, 160, 267.	1.9	27
16	Ca hnk: The Calcium-rich Transient Supernova 2016hnk from a Helium Shell Detonation of a Sub-Chandrasekhar White Dwarf. Astrophysical Journal, 2020, 896, 165.	1.6	19
17	Photometric Classification of 2315 Pan-STARRS1 Supernovae with Superphot. Astrophysical Journal, 2020, 905, 93.	1.6	15
18	SuperRAENN: A Semisupervised Supernova Photometric Classification Pipeline Trained on Pan-STARRS1 Medium-Deep Survey Supernovae. Astrophysical Journal, 2020, 905, 94.	1.6	43

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19	The Foundation Supernova Survey: Measuring Cosmological Parameters with Supernovae from a Single Telescope. Astrophysical Journal, 2019, 881, 19.	1.6	67
20	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. Astrophysical Journal, 2019, 874, 106.	1.6	60
21	First cosmological results using Type Ia supernovae from the Dark Energy Survey: measurement of the Hubble constant. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2184-2196.	1.6	143
22	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. Physical Review Letters, 2019, 122, 171301.	2.9	86
23	First cosmology results using Type Ia supernova from the Dark Energy Survey: simulations to correct supernova distance biases. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1171-1187.	1.6	62
24	First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation. Astrophysical Journal, 2019, 874, 150.	1.6	92
25	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. Astrophysical Journal Letters, 2019, 872, L30.	3.0	201
26	HSC16aayt: A Slowly Evolving Interacting Transient Rising for More than 100 Days. Astrophysical Journal, 2019, 882, 70.	1.6	7
27	Measuring Dark Energy Properties with Photometrically Classified Pan-STARRS Supernovae. II. Cosmological Parameters. Astrophysical Journal, 2018, 857, 51.	1.6	116
28	Spectra of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. Astrophysical Journal, 2018, 855, 2.	1.6	98
29	The Foundation Supernova Survey: motivation, design, implementation, and first data release. Monthly Notices of the Royal Astronomical Society, 2018, 475, 193-219.	1.6	88
30	X-ray limits on the progenitor system of the Type Ia supernova 2017ejb. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4123-4132.	1.6	9
31	A potential progenitor for the Type Ic supernova 2017ein. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2072-2084.	1.6	37
32	Should Type Ia Supernova Distances Be Corrected for Their Local Environments?. Astrophysical Journal, 2018, 867, 108.	1.6	98
33	SN 2016esw: a luminous Type II supernova observed within the first day after the explosion. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3776-3792.	1.6	12
34	Connecting the progenitors, pre-explosion variability and giant outbursts of luminous blue variables with Gaia16cfr. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4805-4823.	1.6	45
35	Hydrogen-poor Superluminous Supernovae from the Pan-STARRS1 Medium Deep Survey. Astrophysical Journal, 2018, 852, 81.	1.6	88
36	Swope Supernova Survey 2017a (SSS17a), the optical counterpart to a gravitational wave source. Science, 2017, 358, 1556-1558.	6.0	811

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37	Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis. Science, 2017, 358, 1570-1574.	6.0	517
38	Electromagnetic evidence that SSS17a is the result of a binary neutron star merger. Science, 2017, 358, 1583-1587.	6.0	203
39	Early spectra of the gravitational wave source GW170817: Evolution of a neutron star merger. Science, 2017, 358, 1574-1578.	6.0	240
40	A Neutron Star Binary Merger Model for GW170817/GRB 170817A/SSS17a. Astrophysical Journal Letters, 2017, 848, L34.	3.0	101
41	The Unprecedented Properties of the First Electromagnetic Counterpart to a Gravitational-wave Source. Astrophysical Journal Letters, 2017, 848, L26.	3.0	31
42	The Old Host-galaxy Environment of SSS17a, the First Electromagnetic Counterpart to a Gravitational-wave Source*. Astrophysical Journal Letters, 2017, 848, L30.	3.0	54
43	On the progenitor of the Type IIb supernova 2016gkg. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4650-4657.	1.6	45
44	Metallicity from Type II supernovae from the (i)PTF. Astronomy and Astrophysics, 2016, 587, L7.	2.1	14
45	TYPE II SUPERNOVA ENERGETICS AND COMPARISON OF LIGHT CURVES TO SHOCK-COOLING MODELS. Astrophysical Journal, 2016, 820, 33.	1.6	75
46	Late-time spectroscopy of Type Iax Supernovae. Monthly Notices of the Royal Astronomical Society, 2016, 461, 433-457.	1.6	52
47	Ultraviolet diversity of Type Ia Supernovae. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1308-1316.	1.6	33
48	500Âdays of SN 2013dy: spectra and photometry from the ultraviolet to the infrared. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4307-4325.	1.6	49
49	Nebular spectra and abundance tomography of the Type Ia supernova SNÂ2011fe: a normal SN Ia with a stable Fe core. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2631-2643.	1.6	84
50	Type Ia supernova spectral features in the context of their host galaxy properties. Monthly Notices of the Royal Astronomical Society, 2015, 446, 354-368.	1.6	35
51	Exploring the spectral diversity of low-redshift Type Ia supernovae using the Palomar Transient Factory. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3258-3274.	1.6	75
52	The host galaxies of Type Ia supernovae discovered by the Palomar Transient Factory. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1391-1416.	1.6	93
53	TYPE Ia SUPERNOVAE STRONGLY INTERACTING WITH THEIR CIRCUMSTELLAR MEDIUM. Astrophysical Journal, Supplement Series, 2013, 207, 3.	3.0	180
54	Hubble Space Telescopestudies of low-redshift Type Ia supernovae: evolution with redshift and ultraviolet spectral trends. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2359-2379.	1.6	91

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55	PTF10ops - a subluminous, normal-width light curve Type Ia supernova in the middle of nowhere. Monthly Notices of the Royal Astronomical Society, 2011, 418, 747-758.	1.6	43
56	Supernova SN 2011fe from an exploding carbonâ€“oxygen white dwarf star. Nature, 2011, 480, 344-347.	13.7	412
57	Swift UVOT Grism Observations of Nearby TypeÂIa Supernovae â€“ I. Observations and Data Reduction. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	8