Ken J Shen

List of Publications by Year
in descending order

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43	3,111	201385	253896
papers	citations	27 h-index	43 g-index

44	44	44	2438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	X-Ray Emission from Candidate Stellar Merger Remnant TYC 2597-735-1 and Its Blue Ring Nebula. Astronomical Journal, 2022, 163, 173.	1.9	0
2	Modelling the ionization state of TypeÂIa supernovae in the nebular phase. Monthly Notices of the Royal Astronomical Society, 2022, 512, 6150-6163.	1.6	9
3	The SNâ€‰Ia runaway LPâ€‰398-9: detection of circumstellar material and surface rotation. Monthly Notices of the Royal Astronomical Society, 2022, 512, 6122-6133.	1.6	4
4	Searching for a Hypervelocity White Dwarf SN Ia Companion: A Proper-motion Survey of SN 1006. Astrophysical Journal Letters, 2022, 933, L31.	3.0	7
5	Non-local Thermodynamic Equilibrium Radiative Transfer Simulations of Sub-Chandrasekhar-mass White Dwarf Detonations. Astrophysical Journal Letters, 2021, 909, L18.	3.0	43
6	LAMOST J0140355Â+Â392651: an evolved cataclysmic variable donor transitioning to become an extremely low-mass white dwarf. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2051-2073.	1.6	18
7	8.9 hr Rotation in the Partly Burnt Runaway Stellar Remnant LP 40-365 (GD 492). Astrophysical Journal Letters, 2021, 914, L3.	3.0	7
8	Birth of the ELMs: a ZTF survey for evolved cataclysmic variables turning into extremely low-mass white dwarfs. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4106-4139.	1.6	24
9	New Insights into Classical Novae. Annual Review of Astronomy and Astrophysics, 2021, 59, 391-444.	8.1	65
10	Multidimensional Parameter Study of Double Detonation Type Ia Supernovae Originating from Thin Helium Shell White Dwarfs. Astrophysical Journal, 2021, 919, 126.	1.6	25
11	Multidimensional Radiative Transfer Calculations of Double Detonations of Sub-Chandrasekhar-mass White Dwarfs. Astrophysical Journal, 2021, 922, 68.	1.6	27
12	Transients from the Cataclysmic Deaths of Cataclysmic Variables. Astrophysical Journal, 2021, 923, 100.	1.6	13
13	Masses of White Dwarf Binary Companions to Type Ia Supernovae Measured from Runaway Velocities. Astrophysical Journal Letters, 2021, 923, L34.	3.0	11
14	A blue ring nebula from a stellar merger several thousand years ago. Nature, 2020, 587, 387-391.	13.7	9
15	Direct evidence for shock-powered optical emission in a nova. Nature Astronomy, 2020, 4, 776-780.	4.2	58
16	Distribution of Siâ€‰iiÂÎ»6355 velocities of Type Ia supernovae and implications for asymmetric explosions. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5325-5333.	1.6	6
17	Manganese Indicates a Transition from Sub- to Near-Chandrasekhar Type Ia Supernovae in Dwarf Galaxies*. Astrophysical Journal, 2020, 891, 85.	1.6	39
18	SN 2019ehk: A Double-peaked Ca-rich Transient with Luminous X-Ray Emission and Shock-ionized Spectral Features. Astrophysical Journal, 2020, 898, 166.	1.6	48

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19	Evidence for Sub-Chandrasekhar Type Ia Supernovae from Stellar Abundances in Dwarf Galaxies^{âˆ—}. Astrophysical Journal, 2019, 881, 45.	1.6	45
20	Double Detonations with Thin, Modestly Enriched Helium Layers can Make Normal Type Ia Supernovae. Astrophysical Journal Letters, 2019, 878, L38.	3.0	64
21	Quantifying How Density Gradients and Front Curvature Affect Carbon Detonation Strength during SNe Ia. Astrophysical Journal, 2019, 871, 154.	1.6	9
22	Delayed Circumstellar Interaction for Type Ia SN 2015cp Revealed by an HST Ultraviolet Imaging Survey. Astrophysical Journal, 2019, 871, 62.	1.6	36
23	The Progenitors of Calcium-strong Transients. Astrophysical Journal, 2019, 887, 180.	1.6	32
24	Sub-Chandrasekhar-mass White Dwarf Detonations Revisited. Astrophysical Journal, 2018, 854, 52.	1.6	175
25	A Search For Pulsations in the Optical Light Curve of the Nova ASASSN-17hx. Astrophysical Journal, 2018, 869, 7.	1.6	3
26	Three Hypervelocity White Dwarfs in Gaia DR2: Evidence for Dynamically Driven Double-degenerate Double-detonation Type Ia Supernovae. Astrophysical Journal, 2018, 865, 15.	1.6	145
27	WAIT FOR IT: POST-SUPERNOVA WINDS DRIVEN BY DELAYED RADIOACTIVE DECAYS. Astrophysical Journal, 2017, 834, 180.	1.6	50
28	Secular dimming of KIC 8462852 following its consumption of a planet. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4399-4407.	1.6	50
29	Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star. Nature, 2017, 551, 210-213.	13.7	112
30	The Evolution of the Type Ia Supernova Luminosity Function. Astrophysical Journal Letters, 2017, 851, L50.	3.0	25
31	EVERY INTERACTING DOUBLE WHITE DWARF BINARY MAY MERGE. Astrophysical Journal Letters, 2015, 805, L6.	3.0	84
32	THE INITIATION AND PROPAGATION OF HELIUM DETONATIONS IN WHITE DWARF ENVELOPES. Astrophysical Journal, 2014, 797, 46.	1.6	121
33	THE IGNITION OF CARBON DETONATIONS VIA CONVERGING SHOCK WAVES IN WHITE DWARFS. Astrophysical Journal, 2014, 785, 61.	1.6	103
34	CIRCUMSTELLAR ABSORPTION IN DOUBLE DETONATION TYPE Ia SUPERNOVAE. Astrophysical Journal Letters, 2013, 770, L35.	3.0	87
35	THE LONG-TERM EVOLUTION OF DOUBLE WHITE DWARF MERGERS. Astrophysical Journal, 2012, 748, 35.	1.6	174
36	A COMPACT DEGENERATE PRIMARY-STAR PROGENITOR OF SN 2011fe. Astrophysical Journal Letters, 2012, 744, L17.	3.0	251

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37	The viscous evolution of white dwarf merger remnants. Monthly Notices of the Royal Astronomical Society, 2012, 427, 190-203.	1.6	82
38	THE LOW-VELOCITY, RAPIDLY FADING TYPE Ia SUPERNOVA 2002es. Astrophysical Journal, 2012, 751, 142.	1.6	63
39	Exclusion of a luminous red giant as a companion star to the progenitor of supernova SN 2011fe. Nature, 2011, 480, 348-350.	13.7	274
40	THERMONUCLEAR .Ia SUPERNOVAE FROM HELIUM SHELL DETONATIONS: EXPLOSION MODELS AND OBSERVABLES. Astrophysical Journal, 2010, 715, 767-774.	1.6	150
41	UNSTABLE HELIUM SHELL BURNING ON ACCRETING WHITE DWARFS. Astrophysical Journal, 2009, 699, 1365-1373.	1.6	128
42	Thermally Stable Nuclear Burning on Accreting White Dwarfs. Astrophysical Journal, 2007, 660, 1444-1450.	1.6	124
43	Faint Thermonuclear Supernovae from AM Canum Venaticorum Binaries. Astrophysical Journal, 2007, 662, L95-L98.	1.6	310