Kuo-Chuan Pan

List of Publications by Year
in descending order

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23	681	567281 15	713466 21
papers	citations	h-index	g-index

24	24	24	689
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	IMPACT OF TYPE Ia SUPERNOVA EJECTA ON BINARY COMPANIONS IN THE SINGLE-DEGENERATE SCENARIO. Astrophysical Journal, 2012, 750, 151.	4.5	113
2	Equation of State Dependent Dynamics and Multi-messenger Signals from Stellar-mass Black Hole Formation. Astrophysical Journal, 2018, 857, 13.	4.5	68
3	EVOLUTION OF POST-IMPACT REMNANT HELIUM STARS IN TYPE Ia SUPERNOVA REMNANTS WITHIN THE SINGLE-DEGENERATE SCENARIO. Astrophysical Journal, 2013, 773, 49.	4.5	58
4	TWO-DIMENSIONAL CORE-COLLAPSE SUPERNOVA SIMULATIONS WITH THE ISOTROPIC DIFFUSION SOURCE APPROXIMATION FOR NEUTRINO TRANSPORT. Astrophysical Journal, 2016, 817, 72.	4.5	54
5	IMPACT OF TYPE Ia SUPERNOVA EJECTA ON A HELIUM-STAR BINARY COMPANION. Astrophysical Journal, 2010, 715, 78-85.	4.5	49
6	EVOLUTION OF POST-IMPACT COMPANION STARS IN SN Ia REMNANTS WITHIN THE SINGLE-DEGENERATE SCENARIO. Astrophysical Journal, 2012, 760, 21.	4.5	44
7	SEARCH FOR SURVIVING COMPANIONS IN TYPE Ia SUPERNOVA REMNANTS. Astrophysical Journal, 2014, 792, 71.	4.5	33
8	Core-collapse supernovae in the hall of mirrors. Astronomy and Astrophysics, 2018, 619, A118.	5.1	33
9	The impact of different neutrino transport methods on multidimensional core-collapse supernova simulations. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 014001.	3.6	31
10	Features of Accretion-phase Gravitational-wave Emission from Two-dimensional Rotating Core-collapse Supernovae. Astrophysical Journal, 2019, 878, 13.	4.5	29
11	Stellar Mass Black Hole Formation and Multimessenger Signals from Three-dimensional Rotating Core-collapse Supernova Simulations. Astrophysical Journal, 2021, 914, 140.	4.5	24
12	Search for Surviving Companions of Progenitors of Young LMC SN Ia Remnants. Astrophysical Journal, 2019, 886, 99.	4.5	21
13	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
14	Determining the Structure of Rotating Massive Stellar Cores with Gravitational Waves. Astrophysical Journal, 2021, 914, 80.	4.5	18
15	Physical Structures of the Type Ia Supernova Remnant N103B. Astrophysical Journal, 2017, 836, 85.	4.5	17
16	Scalable Algorithms for Distributed-Memory Adaptive Mesh Refinement. , 2012, , .		15
17	Nature of the Diffuse Source and Its Central Point-like Source in SNR 0509â€“67.5. Astrophysical Journal, 2017, 837, 111.	4.5	14
18	An arm length stabilization system for KAGRA and future gravitational-wave detectors. Classical and Quantum Gravity, 2020, 37, 035004.	4.0	10

#	Article	IF	Citations
19	Evolution of Main-sequence-like Surviving Companions in Type Ia Supernova Remnants. Astrophysical Journal, 2022, 933, 38.	4.5	6
20	Progress in nuclear astrophysics of east and southeast Asia. AAPPS Bulletin, 2021, 31, 1.	6.1	5
21	Performance of the KAGRA detector during the first joint observation with GEOâ€‰600 (O3GK). Progress of Theoretical and Experimental Physics, 2023, 2023, .	6.6	4
22	Multi-dimensional Core-Collapse Supernova Simulations with Neutrino Transport. , 2017, , .		3
23	The heterogeneity of Type Ia supernova progenitor systems and their use as cosmic distance indicators. Proceedings of the International Astronomical Union, 2012, 8, 329-329.	0.0	0