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List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

5,307
citations

279487

23
h-index

288905

40
g-index

40
all docs

40
docs citations

40
times ranked

3673
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary Models for the Remnant of the Merger of Two Carbon-Oxygen Core White Dwarfs. <i>Astrophysical Journal</i> , 2021, 906, 53.	1.6	52
2	On the Impact of ^{22}Ne on the Pulsation Periods of Carbon-Oxygen White Dwarfs with Helium-dominated Atmospheres. <i>Astrophysical Journal</i> , 2021, 910, 24.	1.6	14
3	Skye: A Differentiable Equation of State. <i>Astrophysical Journal</i> , 2021, 913, 72.	1.6	45
4	A highly magnetized and rapidly rotating white dwarf as small as the Moon. <i>Nature</i> , 2021, 595, 39-42.	13.7	56
5	Cooling Models for the Most Massive White Dwarfs. <i>Astrophysical Journal</i> , 2021, 916, 119.	1.6	8
6	The Final Fates of Close Hot Subdwarf-White Dwarf Binaries: Mergers Involving He/C/O White Dwarfs and the Formation of Unusual Giant Stars with C/O-Dominated Envelopes. <i>Astrophysical Journal</i> , 2021, 920, 110.	1.6	5
7	Pre-explosion Properties of Helium Star Donors to Thermonuclear Supernovae. <i>Astrophysical Journal</i> , 2021, 922, 241.	1.6	4
8	Updated parameter estimates for GW190425 using astrophysical arguments and implications for the electromagnetic counterpart. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 190-198.	1.6	37
9	Multi-gigayear White Dwarf Cooling Delays from Clustering-enhanced Gravitational Sedimentation. <i>Astrophysical Journal</i> , 2020, 902, 93.	1.6	51
10	A Helium-flash-induced Mixing Event Can Explain the Lithium Abundances of Red Clump Stars. <i>Astrophysical Journal Letters</i> , 2020, 901, L18.	3.0	28
11	Laminar Flame Speeds in Degenerate Oxygen-Neon Mixtures. <i>Astrophysical Journal</i> , 2020, 891, 5.	1.6	3
12	Modules for Experiments in Stellar Astrophysics (MESA): Pulsating Variable Stars, Rotation, Convective Boundaries, and Energy Conservation. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 10.	3.0	860
13	Residual Carbon in Oxygen-Neon White Dwarfs and Its Implications for Accretion-induced Collapse. <i>Astrophysical Journal</i> , 2019, 872, 131.	1.6	17
14	Evolution of Helium Star-White Dwarf Binaries Leading up to Thermonuclear Supernovae. <i>Astrophysical Journal</i> , 2019, 878, 100.	1.6	11
15	The Long-term Evolution and Appearance of Type Ia Postgenitor Stars. <i>Astrophysical Journal</i> , 2019, 872, 29.	1.6	14
16	Detection of circumstellar helium in Type Ia progenitor systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2538-2577.	1.6	20
17	Mixing via Thermocompositional Convection in Hybrid C/O/Ne White Dwarfs. <i>Astrophysical Journal</i> , 2019, 876, 10.	1.6	8
18	Evolutionary Models for R Coronae Borealis Stars. <i>Astrophysical Journal</i> , 2019, 885, 27.	1.6	28

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19	Modules for Experiments in Stellar Astrophysics ($MESA$): Convective Boundaries, Element Diffusion, and Massive Star Explosions. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 34.	3.0	1,182
20	Three Hypervelocity White Dwarfs in Gaia DR2: Evidence for Dynamically Driven Double-degenerate Double-detonation Type Ia Supernovae. <i>Astrophysical Journal</i> , 2018, 865, 15.	1.6	145
21	Hot subdwarfs formed from the merger of two He white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 5303-5311.	1.6	22
22	WAIT FOR IT: POST-SUPERNOVA WINDS DRIVEN BY DELAYED RADIOACTIVE DECAYS. <i>Astrophysical Journal</i> , 2017, 834, 180.	1.6	50
23	Electron Captures on ^{16}O as a Trigger for Helium Shell Detonations. <i>Astrophysical Journal</i> , 2017, 845, 97.	1.6	16
24	Convection Destroys the Core/Mantle Structure in Hybrid C/O/Ne White Dwarfs. <i>Astrophysical Journal Letters</i> , 2017, 834, L9.	3.0	29
25	Accretion-induced Collapse from Helium Star + White Dwarf Binaries. <i>Astrophysical Journal</i> , 2017, 843, 151.	1.6	32
26	Exploring the Carbon Simmering Phase: Reaction Rates, Mixing, and the Convective Urca Process. <i>Astrophysical Journal</i> , 2017, 851, 105.	1.6	14
27	Fast and Luminous Transients from the Explosions of Long-lived Massive White Dwarf Merger Remnants. <i>Astrophysical Journal</i> , 2017, 850, 127.	1.6	13
28	The importance of Urca-process cooling in accreting ONe white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3390-3406.	1.6	33
29	CARBON SHELL OR CORE IGNITIONS IN WHITE DWARFS ACCRETING FROM HELIUM STARS. <i>Astrophysical Journal</i> , 2016, 821, 28.	1.6	48
30	TURBULENT CHEMICAL DIFFUSION IN CONVECTIVELY BOUNDED CARBON FLAMES. <i>Astrophysical Journal</i> , 2016, 832, 71.	1.6	39
31	The evolution and fate of super-Chandrasekhar mass white dwarf merger remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3461-3475.	1.6	81
32	NEUTRONIZATION DURING CARBON SIMMERING IN TYPE IA SUPERNOVA PROGENITORS. <i>Astrophysical Journal</i> , 2016, 825, 57.	1.6	28
33	The interplay of disc wind and dynamical ejecta in the aftermath of neutron star "black hole mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 390-402.	1.6	75
34	Thermal runaway during the evolution of ONeMg cores towards accretion-induced collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1910-1927.	1.6	84
35	MODULES FOR EXPERIMENTS IN STELLAR ASTROPHYSICS (MESA): BINARIES, PULSATIONS, AND EXPLOSIONS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 15.	3.0	1,990
36	TYPE Ia SUPERNOVAE FROM MERGING WHITE DWARFS. II. POST-MERGER DETONATIONS. <i>Astrophysical Journal</i> , 2014, 788, 75.	1.6	62

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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