

Patrick Neunteufel

List of Publications by Year in descending order

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17
papers

289
citations

933447

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996975

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all docs

17
docs citations

17
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Multiple Stellar Evolution</i> : a population synthesis algorithm to model the stellar, binary, and dynamical evolution of multiple-star systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4479-4512.	4.4	35
2	A hot subdwarf “white dwarf super-Chandrasekhar candidate supernova Ia progenitor. <i>Nature Astronomy</i> , 2021, 5, 1052-1061.	10.1	34
3	First Experimental Characterization of Microwave Emission from Cosmic Ray Air Showers. <i>Physical Review Letters</i> , 2014, 113, 221101.	7.8	33
4	Models for the evolution of close binaries with He-star and white dwarf components towards Type Ia supernova explosions. <i>Astronomy and Astrophysics</i> , 2016, 589, A43.	5.1	30
5	A Catalog of Potential Post-Common Envelope Binaries. <i>Astrophysical Journal</i> , 2021, 920, 86.	4.5	28
6	Helium ignition in rotating magnetized CO white dwarfs leading to fast and faint rather than classical Type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2017, 602, A55.	5.1	22
7	Exploring velocity limits in the thermonuclear supernova ejection scenario for hypervelocity stars and the origin of US 708. <i>Astronomy and Astrophysics</i> , 2020, 641, A52.	5.1	20
8	Evolution of helium star plus carbon-oxygen white dwarf binary systems and implications for diverse stellar transients and hypervelocity stars. <i>Astronomy and Astrophysics</i> , 2019, 627, A14.	5.1	18
9	Return of the TED! Revisiting the Triple Evolution Dynamical Instability Channel in Triple Stars. <i>Astrophysical Journal</i> , 2022, 925, 178.	4.5	18
10	A Statistical View of the Stable and Unstable Roche Lobe Overflow of a Tertiary Star onto the Inner Binary in Triple Systems. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 25.	7.7	15
11	Observation of microwave emission from extensive air showers with CROME. <i>EPJ Web of Conferences</i> , 2013, 53, 08010.	0.3	10
12	Predicted spatial and velocity distributions of ejected companion stars of helium accretion-induced thermonuclear supernovae. <i>Astronomy and Astrophysics</i> , 2021, 646, L8.	5.1	7
13	Feasibility of radar detection of extensive air showers. <i>Astroparticle Physics</i> , 2016, 73, 14-27.	4.3	6
14	Properties and applications of a predicted population of runaway He-sdO/B stars ejected from single degenerate He-donor SNe. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	6
15	Radar reflection off extensive air showers. <i>EPJ Web of Conferences</i> , 2013, 53, 08013.	0.3	4
16	The Equilibrium Tide: An Updated Prescription for Population Synthesis Codes. <i>Astrophysical Journal</i> , 2022, 933, 25.	4.5	3
17	Exploring velocity limits in the thermonuclear supernova ejection scenario for hypervelocity stars and the origin of US 708 (<i>Corrigendum</i>). <i>Astronomy and Astrophysics</i> , 2021, 647, C4.	5.1	0