

Donald C Warren

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	PHOTOSPHERIC EMISSION FROM COLLAPSAR JETS IN 3D RELATIVISTIC HYDRODYNAMICS. <i>Astrophysical Journal Letters</i> , 2015, 814, L29.	8.3	51
2	MONTE CARLO SIMULATIONS OF NONLINEAR PARTICLE ACCELERATION IN PARALLEL TRANS-RELATIVISTIC SHOCKS. <i>Astrophysical Journal</i> , 2013, 776, 46.	4.5	47
3	From Supernova to Supernova Remnant: The Three-dimensional Imprint of a Thermonuclear Explosion. <i>Astrophysical Journal</i> , 2019, 877, 136.	4.5	37
4	Three-dimensional numerical investigations of the morphology of Type Ia SNRs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3099-3113.	4.4	36
5	The photospheric origin of the Yonetoku relation in gamma-ray bursts. <i>Nature Communications</i> , 2019, 10, 1504.	12.8	36
6	Synchrotron self-absorption in GRB afterglows: the effects of a thermal electron population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4060-4068.	4.4	28
7	Nonlinear Particle Acceleration and Thermal Particles in GRB Afterglows. <i>Astrophysical Journal</i> , 2017, 835, 248.	4.5	27
8	Closure relations during the plateau emission of Swift GRBs and the fundamental plane. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 970-1000.	2.5	23
9	Electron and ion acceleration in relativistic shocks with applications to GRB afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 431-443.	4.4	19
10	Particle spectra and efficiency in nonlinear relativistic shock acceleration – survey of scattering models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3090-3099.	4.4	17
11	From Supernova to Supernova Remnant: Comparison of Thermonuclear Explosion Models. <i>Astrophysical Journal</i> , 2021, 906, 93.	4.5	17
12	Time to revisit the endpoint dilution assay and to replace the TCID ₅₀ as a measure of a virus sample's infection concentration. <i>PLoS Computational Biology</i> , 2021, 17, e1009480.	3.2	17
13	Examining Two-dimensional Luminosity–Time Correlations for Gamma-Ray Burst Radio Afterglows with VLA and ALMA. <i>Astrophysical Journal</i> , 2022, 925, 15.	4.5	15
14	A Semianalytic Afterglow with Thermal Electrons and Synchrotron Self-Compton Emission. <i>Astrophysical Journal</i> , 2022, 924, 40.	4.5	11
15	The Maximum Energy of Shock-accelerated Electrons in a Microturbulent Magnetic Field. <i>Astrophysical Journal</i> , 2021, 906, 33.	4.5	8
16	The Double Detonation of a Double-degenerate System, from Type Ia Supernova Explosion to its Supernova Remnant. <i>Astrophysical Journal</i> , 2022, 930, 92.	4.5	8