

W R Dunn

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

748
citations

393982

19
h-index

552369

26
g-index

51
all docs

51
docs citations

51
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation and origin of non-thermal hard X-rays from Jupiter. <i>Nature Astronomy</i> , 2022, 6, 442-448.	4.2	7
2	Jupiter's X-ray and UV Dark Polar Region. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
3	Original Research by Young Twinkle Students (ORBYTS): ephemeris refinement of transiting exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5671-5684.	1.6	19
4	Morphology of Jupiter's Polar Auroral Bright Spot Emissions via Juno's UVS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028586.	0.8	5
5	A Statistical Survey of Low-Frequency Magnetic Fluctuations at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028387.	0.8	5
6	A Low Signal Detection of X-rays From Uranus. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028739.	0.8	8
7	Ultralow-Frequency Waves in Driving Jovian Aurorae Revealed by Observations From HST and Juno. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091579.	1.5	13
8	How Jupiter's unusual magnetospheric topology structures its aurora. <i>Science Advances</i> , 2021, 7, .	4.7	31
9	Searching for Saturn's X-rays during a rare Jupiter Magnetotail crossing using <i>Chandra</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 298-305.	1.6	10
10	A Study of the Soft X-Ray Emission Lines in NGC 4151. I. Kinematic Properties of the Plasma Wind. <i>Research Notes of the AAS</i> , 2021, 5, 172.	0.3	3
11	Revealing the source of Jupiter's x-ray auroral flares. <i>Science Advances</i> , 2021, 7, .	4.7	25
12	Jupiter's Double-Arc Aurora as a Signature of Magnetic Reconnection: Simultaneous Observations From HST and Juno. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093964.	1.5	3
13	Magnetic Reconnection Near the Planet as a Possible Driver of Jupiter's Mysterious Polar Auroras. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029544.	0.8	7
14	Jupiter's X-ray aurora during UV dawn storms and injections as observed by <i>XMM-Newton</i> , <i>Hubble</i> , and <i>Hisaki</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1216-1228.	1.6	7
15	Characteristics of Jupiter's X-ray Auroral Hot Spot Emissions Using <i>Chandra</i> . <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029243.	0.8	8
16	A Rotating Azimuthally Distributed Auroral Current System on Saturn Revealed by the Cassini Spacecraft. <i>Astrophysical Journal Letters</i> , 2021, 919, L25.	3.0	3
17	A Study of the Soft X-Ray Emission Lines in NGC 4151. II. The Internal Plasma Properties. <i>Research Notes of the AAS</i> , 2021, 5, 233.	0.3	0
18	Properties of Plasmoids Observed in Saturn's Dayside and Nightside Magnetodisc. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	2

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19	Heavy Ion Charge States in Jupiter's Polar Magnetosphere Inferred From Auroral Megavolt Electric Potentials. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028052.	0.8	21
20	Jupiter's X-ray Emission During the 2007 Solar Minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027219.	0.8	17
21	Reconnection and Dipolarization-Driven Auroral Dawn Storms and Injections. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027663.	0.8	27
22	Comparisons Between Jupiter's X-ray, UV and Radio Emissions and In-situ Solar Wind Measurements During 2007. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027222.	0.8	24
23	X-Ray Emission from Jupiter's Galilean Moons: A Tool for Determining Their Surface Composition and Particle Environment. <i>Astrophysical Journal</i> , 2020, 895, 79.	1.6	9
24	Temporal and Spectral Studies by XMM-Newton of Jupiter's X-ray Auroras During a Compression Event. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027676.	0.8	20
25	Jovian Auroral Ion Precipitation: X-ray Production From Oxygen and Sulfur Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027007.	0.8	20
26	Plasmapause surface wave oscillates the magnetosphere and diffuse aurora. <i>Nature Communications</i> , 2020, 11, 1668.	5.8	35
27	Chandra Observations of Jupiter's X-ray Auroral Emission During Juno Apojove 2017. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006262.	1.5	16
28	Original Research by Young Twinkle Students (Orbyts): Ephemeris Refinement of Transiting Exoplanets II. <i>Research Notes of the AAS</i> , 2020, 4, 109.	0.3	6
29	Opening pupils' eyes to the Sun. <i>Astronomy and Geophysics</i> , 2020, 61, 6.22-6.23.	0.1	1
30	On the Relation Between Jovian Aurorae and the Loading/Unloading of the Magnetic Flux: Simultaneous Measurements From Juno, Hubble Space Telescope, and Hisaki. <i>Geophysical Research Letters</i> , 2019, 46, 11632-11641.	1.5	32
31	A brightening of Jupiter's auroral 7.8- μ m CH ₄ emission during a solar-wind compression. <i>Nature Astronomy</i> , 2019, 3, 607-613.	4.2	17
32	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1989-1999.	0.8	35
33	Reconnection Acceleration in Saturn's Dayside Magnetodisk: A Multicase Study with Cassini. <i>Astrophysical Journal Letters</i> , 2018, 868, L23.	3.0	15
34	Assessing Quasi-Periodicities in Jovian X-ray Emissions: Techniques and Heritage Survey. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9204-9221.	0.8	23
35	Rotationally driven magnetic reconnection in Saturn's dayside. <i>Nature Astronomy</i> , 2018, 2, 640-645.	4.2	32
36	Independent evolution of stratospheric temperatures in Jupiter's northern and southern auroral regions from 2014 to 2016. <i>Geophysical Research Letters</i> , 2017, 44, 5345-5354.	1.5	12

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37	The independent pulsations of Jupiter's northern and southern X-ray auroras. <i>Nature Astronomy</i> , 2017, 1, 758-764.	4.2	49
38	Two fundamentally different drivers of dipolarizations at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4348-4356.	0.8	22
39	Future Exoplanet Research: XUV (EUV and X-Ray) Detection and Characterization. , 2017, , 1-20.		2
40	Corotating Magnetic Reconnection Site in Saturn's Magnetosphere. <i>Astrophysical Journal Letters</i> , 2017, 846, L25.	3.0	23
41	Bringing pupils into the ORBYTS of research. <i>Astronomy and Geophysics</i> , 2017, 58, 5.11-5.11.	0.1	4
42	The impact of an ICME on the Jovian X-ray aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2274-2307.	0.8	51
43	Jupiter's X-ray and EUV auroras monitored by Chandra, XMM-Newton, and Hisaki satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2308-2320.	0.8	34
44	A novel method to photometrically constrain orbital eccentricities: Multibody Asterodensity Profiling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 1166-1188.	1.6	39