

Kathryn McWilliams

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

82
citations

4
h-index

8
g-index

18
ext. papers

131
ext. citations

2.6
avg, IF

2.45
L-index

#	Paper	IF	Citations
16	Unsteady Magnetopause Reconnection Under Quasi-Steady Solar Wind Driving. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	0
15	ICEBEAR-3D: A Low Elevation Imaging Radar Using a Non-Uniform Coplanar Receiver Array for E Region Observations. <i>Radio Science</i> , 2022 , 57,	1.4	2
14	On Optimum Solar Wind-Magnetosphere Coupling Functions for Transpolar Voltage and Planetary Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029946	2.6	4
13	Determination of the Azimuthal Extent of Coherent E-Region Scatter Using the ICEBEAR Linear Receiver Array. <i>Radio Science</i> , 2021 , 56, e2020RS007191	1.4	1
12	Simultaneous Development of Multiple Auroral Substorms: Double Auroral Bulge Formation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028883	2.6	1
11	The Relationship Between Large Scale Thermospheric Density Enhancements and the Spatial Distribution of Poynting Flux. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029205	2.6	4
10	Swarm Observations of Dawn/Dusk Asymmetries Between Pedersen Conductance in Upward and Downward Field-Aligned Current Regions. <i>Earth and Space Science</i> , 2021 , 8, e2020EA001167	3.1	2
9	A Survey of 25 Years of Transpolar Voltage Data From the SuperDARN Radar Network and the Expanding-Contracting Polar Cap Model. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029554	2.6	4
8	Dayside Field-Aligned Current Impacts on Ionospheric Irregularities. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086722	4.9	2
7	Colocated Observations of the E and F Region Thermosphere During a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028165	2.6	1
6	Spreading Speed of Magnetopause Reconnection X-Lines Using Ground-Satellite Coordination. <i>Geophysical Research Letters</i> , 2018 , 45, 80-89	4.9	15
5	Statistically Self-Consistent and Accurate Errors for SuperDARN Data. <i>Radio Science</i> , 2018 , 53, 93-111	1.4	4
4	Long-lasting poloidal ULF waves observed by multiple satellites and high-latitude SuperDARN radars. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8422-8438	2.6	23
3	Calibrating HF Radar Elevation Angle Measurements Using E Layer Backscatter Echoes. <i>Radio Science</i> , 2018 , 53, 1438-1449	1.4	6
2	First results of HF radio science with e-POP RRI and SuperDARN. <i>Radio Science</i> , 2017 , 52, 78-93	1.4	9
1	A comparison of small-scale magnetic fluctuations in the Region 1 and 2 field-aligned current systems. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3277-3290	2.6	4