

# Sarah Bentley

## 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.

18  
papers

205  
citations

10  
h-index

14  
g-index

18  
ext. papers

290  
ext. citations

3.2  
avg, IF

3.19  
L-index

#	Paper	IF	Citations
18	Imaging the magnetosphere-ionosphere system with ground-based and in-situ magnetometers <b>2022</b> , 287-340		0
17	Pro-L* - A Probabilistic L* Mapping Tool for Ground Observations. <i>Space Weather</i> , <b>2021</b> , 19, e2020SW002602	3.7	0
16	The Implications of Temporal Variability in Wave-Particle Interactions in Earth's Radiation Belts. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL089962	4.9	2
15	Particle-in-Cell Experiments Examine Electron Diffusion by Whistler-Mode Waves: 2. Quasi-Linear and Nonlinear Dynamics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027949	2.6	10
14	Random Forest Model of Ultralow-Frequency Magnetospheric Wave Power. <i>Earth and Space Science</i> , <b>2020</b> , 7, e2020EA001274	3.1	3
13	The evolution of inverted magnetic fields through the inner heliosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 3642-3655	4.3	13
12	Variability of Quasilinear Diffusion Coefficients for Plasmaspheric Hiss. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8488-8506	2.6	14
11	The Development of a Space Climatology: 2. The Distribution of Power Input Into the Magnetosphere on a 3-Hourly Timescale. <i>Space Weather</i> , <b>2019</b> , 17, 157-179	3.7	9
10	Capturing Uncertainty in Magnetospheric Ultralow Frequency Wave Models. <i>Space Weather</i> , <b>2019</b> , 17, 599-618	3.7	7
9	The Development of a Space Climatology: 1. Solar Wind Magnetosphere Coupling as a Function of Timescale and the Effect of Data Gaps. <i>Space Weather</i> , <b>2019</b> , 17, 133-156	3.7	19
8	How Do Ultra-Low Frequency Waves Access the Inner Magnetosphere During Geomagnetic Storms?. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10699-10709	4.9	10
7	Particle-in-cell Experiments Examine Electron Diffusion by Whistler-mode Waves: 1. Benchmarking With a Cold Plasma. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8893-8912	2.6	5
6	The Development of a Space Climatology: 3. Models of the Evolution of Distributions of Space Weather Variables With Timescale. <i>Space Weather</i> , <b>2019</b> , 17, 180-209	3.7	13
5	ULF Wave Activity in the Magnetosphere: Resolving Solar Wind Interdependencies to Identify Driving Mechanisms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2745-2771	2.6	19
4	Autumn MIST 2017. <i>Astronomy and Geophysics</i> , <b>2018</b> , 59, 2.26-2.29	0.2	
3	Space climate and space weather over the past 400 years: 2. Proxy indicators of geomagnetic storm and substorm occurrence. <i>Journal of Space Weather and Space Climate</i> , <b>2018</b> , 8, A12	2.5	16
2	The parameterization of wave-particle interactions in the Outer Radiation Belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9545-9551	2.6	12

1	On the origins and timescales of geoeffective IMF. <i>Space Weather</i> , <b>2016</b> , 14, 406-432	3-7	53
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