

# Sarah Bentley

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2439909/sarah-bentley-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	On the origins and timescales of geoeffective IMF. <i>Space Weather</i> , <b>2016</b> , 14, 406-432	3.7	53
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	Capturing Uncertainty in Magnetospheric Ultralow Frequency Wave Models. <i>Space Weather</i> , <b>2019</b> , 17, 599-618	3.7	7
6	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
5	Random Forest Model of Ultralow-Frequency Magnetospheric Wave Power. <i>Earth and Space Science</i> , <b>2020</b> , 7, e2020EA001274	3.1	3
4	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
3	Imaging the magnetosphere-ionosphere system with ground-based and in-situ magnetometers <b>2022</b> , 287-340		0
2	Pro-L* - A Probabilistic L* Mapping Tool for Ground Observations. <i>Space Weather</i> , <b>2021</b> , 19, e2020SW002602		0

1 Autumn MIST 2017. *Astronomy and Geophysics*, **2018**, 59, 2.26-2.29

0.2