

# Timothy Bastian

## List of Publications by Year in descending order

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24  
papers

943  
citations

567281

15  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

867  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Search for Radio Emission from Extrasolar Planets. <i>Astrophysical Journal</i> , 2000, 545, 1058-1063.	4.5	139
2	Particle acceleration by a solar flare termination shock. <i>Science</i> , 2015, 350, 1238-1242.	12.6	114
3	Angular scattering of solar radio emission by coronal turbulence. <i>Astrophysical Journal</i> , 1994, 426, 774.	4.5	112
4	Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): Fast-Scan Single-Dish Mapping. <i>Solar Physics</i> , 2017, 292, 1.	2.5	76
5	TRACING ELECTRON BEAMS IN THE SUN'S CORONA WITH RADIO DYNAMIC IMAGING SPECTROSCOPY. <i>Astrophysical Journal Letters</i> , 2013, 763, L21.	8.3	64
6	Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): High-Resolution Interferometric Imaging. <i>Solar Physics</i> , 2017, 292, 1.	2.5	57
7	Solar flares at submillimeter wavelengths. <i>Astronomy and Astrophysics Review</i> , 2013, 21, 1.	25.5	55
8	Decimetric solar type U bursts - VLA and PHOENIX observations. <i>Astrophysical Journal</i> , 1992, 391, 380.	4.5	47
9	Magnetic Reconnection Null Points as the Origin of Semirelativistic Electron Beams in a Solar Jet. <i>Astrophysical Journal</i> , 2018, 866, 62.	4.5	45
10	DIRECT EVIDENCE OF AN ERUPTIVE, FILAMENT-HOSTING MAGNETIC FLUX ROPE LEADING TO A FAST SOLAR CORONAL MASS EJECTION. <i>Astrophysical Journal</i> , 2014, 794, 149.	4.5	33
11	A First Comparison of Millimeter Continuum and Mg ii Ultraviolet Line Emission from the Solar Chromosphere. <i>Astrophysical Journal Letters</i> , 2017, 845, L19.	8.3	32
12	Location of type I radio continuum and bursts on Yohkoh soft X-ray maps. <i>Solar Physics</i> , 1995, 160, 151-169.	2.5	28
13	Observations of solar chromospheric oscillations at 3 mm with ALMA. <i>Astronomy and Astrophysics</i> , 2020, 634, A86.	5.1	23
14	Transient brightenings in the quiet Sun detected by ALMA at 3 mm. <i>Astronomy and Astrophysics</i> , 2020, 638, A62.	5.1	19
15	Radio Emission from the Exoplanetary System $\mu$ Eridani. <i>Astrophysical Journal</i> , 2018, 857, 133.	4.5	18
16	The Brightness Temperature of the Quiet Solar Chromosphere at 2.6 mm. <i>Solar Physics</i> , 2017, 292, 1.	2.5	16
17	ALMA observations of the variability of the quiet Sun at millimeter wavelengths. <i>Astronomy and Astrophysics</i> , 2021, 652, A92.	5.1	16
18	Radio Spectral Imaging of an M8.4 Eruptive Solar Flare: Possible Evidence of a Termination Shock. <i>Astrophysical Journal</i> , 2021, 911, 4.	4.5	14

#	ARTICLE	IF	CITATIONS
19	Joint radio and soft x-ray imaging of an "anemone" active region. Solar Physics, 1996, 163, 99-120.	2.5	11
20	Multiwavelength Observations of the Formation and Eruption of a Complex Filament. Astrophysical Journal, 2021, 910, 40.	4.5	7
21	Detection of 2.4 GHz Continuum Emission from $\mu$ Eridani. Astrophysical Journal, 2020, 904, 138.	4.5	7
22	Radio Emission from Extrasolar Planets. Symposium - International Astronomical Union, 2004, 213, 73-76.	0.1	3
23	850 $\mu$ m Observations of the 11 July 1991 Total Solar Eclipse. Symposium - International Astronomical Union, 1994, 154, 161-166.	0.1	0
24	Radio Emission from the Sun and Stars: New Insights into Energetic Phenomena. Symposium - International Astronomical Union, 2004, 219, 145-158.	0.1	0