

Xavier Bonnin

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

649
citations

1039406

9
h-index

940134

16
g-index

20
all docs

20
docs citations

20
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 487-528.	3.7	313
2	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A12.	2.1	80
3	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	2.1	67
4	Density Fluctuations in the Solar Wind Based on Type III Radio Bursts Observed by Parker Solar Probe. <i>Astrophysical Journal</i> , Supplement Series, 2020, 246, 57.	3.0	45
5	The directivity of solar type III bursts at hectometer and kilometer wavelengths: Wind-Ulysses observations. <i>Astronomy and Astrophysics</i> , 2008, 489, 419-427.	2.1	26
6	Io-Jupiter decametric arcs observed by Juno/Waves compared to ExPRES simulations. <i>Geophysical Research Letters</i> , 2017, 44, 9225-9232.	1.5	22
7	AN ANALYSIS OF INTERPLANETARY SOLAR RADIO EMISSIONS ASSOCIATED WITH A CORONAL MASS EJECTION. <i>Astrophysical Journal Letters</i> , 2016, 823, L5.	3.0	20
8	Whistler waves observed by Solar Orbiter/RPW between 0.5 AU and 1 AU. <i>Astronomy and Astrophysics</i> , 2021, 656, A24.	2.1	19
9	Simulations of radio-wave anisotropic scattering to interpret type III radio burst data from Solar Orbiter, Parker Solar Probe, STEREO, and Wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A34.	2.1	12
10	First observations and performance of the RPW instrument on board the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2021, 656, A41.	2.1	9
11	Wind/WAVES Observations of Auroral Kilometric Radiation: Automated Burst Detection and Terrestrial Solar Wind-Magnetosphere Coupling Effects. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	9
12	Solar Orbiter Radio and Plasma Waves - Time Domain Sampler: In-flight performance and first results. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	6
13	Solar Orbiter/RPW antenna calibration in the radio domain and its application to type III burst observations. <i>Astronomy and Astrophysics</i> , 2021, 656, A33.	2.1	5
14	Empirical Selection of Auroral Kilometric Radiation During a Multipoint Remote Observation With Wind and Cassini. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029425.	0.8	5
15	Spectral Analysis of Solar Radio Type III Bursts from 20 kHz to 410 MHz. <i>Astrophysical Journal</i> , 2022, 924, 58.	1.6	5
16	MASER: A Science Ready Toolbox for Low Frequency Radio Astronomy. <i>Data Science Journal</i> , 2020, 19, .	0.6	4
17	The Solar Orbiter Radio and Plasma Waves (RPW) instrument (Corrigendum). <i>Astronomy and Astrophysics</i> , 2021, 654, C2.	2.1	2