

Thomas Chust

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

353
citations

933447

10
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A12.	5.1	80
2	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	5.1	67
3	Lower Hybrid Drift Waves and Electromagnetic Electron Spaceâ€Phase Holes Associated With Dipolarization Fronts and Fieldâ€Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,236.	2.4	31
4	Density fluctuations associated with turbulence and waves. <i>Astronomy and Astrophysics</i> , 2021, 656, A19.	5.1	24
5	Whistler waves observed by Solar Orbiter/RPW between 0.5 AU and 1 AU. <i>Astronomy and Astrophysics</i> , 2021, 656, A24.	5.1	19
6	Solar Orbiterâ€™s first Venus flyby: Observations from the Radio and Plasma Wave instrument. <i>Astronomy and Astrophysics</i> , 2021, 656, A18.	5.1	14
7	Solar wind current sheets and deHoffmann-Teller analysis. First results from Solar Orbiter's DC electric field measurements. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	13
8	First-year ion-acoustic wave observations in the solar wind by the RPW/TDS instrument on board Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, A14.	5.1	13
9	Kinetic electrostatic waves and their association with current structures in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A23.	5.1	12
10	First dust measurements with the Solar Orbiter Radio and Plasma Wave instrument. <i>Astronomy and Astrophysics</i> , 2021, 656, A30.	5.1	12
11	Whistler instability driven by the sunward electron deficit in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A31.	5.1	12
12	Energetic ions in the Venusian system: Insights from the first Solar Orbiter flyby. <i>Astronomy and Astrophysics</i> , 2021, 656, A7.	5.1	9
13	First observations and performance of the RPW instrument on board the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2021, 656, A41.	5.1	9
14	Observations of whistler mode waves by Solar Orbiterâ€™s RPW Low Frequency Receiver (LFR): In-flight performance and first results. <i>Astronomy and Astrophysics</i> , 2021, 656, A17.	5.1	6
15	Solar Orbiter Radio and Plasma Waves - Time Domain Sampler: In-flight performance and first results. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	6
16	Statistical study of electron density turbulence and ion-cyclotron waves in the inner heliosphere: Solar Orbiter observations. <i>Astronomy and Astrophysics</i> , 2021, 656, A16.	5.1	5
17	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.	5.1	5
18	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	5

#	ARTICLE	IF	CITATIONS
19	Analysis of multiscale structures at the quasi-perpendicular Venus bow shock. <i>Astronomy and Astrophysics</i> , 2022, 660, A64.	5.1	5
20	Solar Orbiter's encounter with the tail of comet C/2019 Y4 (ATLAS): Magnetic field draping and cometary pick-up ion waves. <i>Astronomy and Astrophysics</i> , 2021, 656, A39.	5.1	4
21	The Solar Orbiter Radio and Plasma Waves (RPW) instrument (Corrigendum). <i>Astronomy and Astrophysics</i> , 2021, 654, C2.	5.1	2