Corentin K Louis

List of Publications by Year
in descending order

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20 papers	245 citations	933447 10 h-index	996975 15 g-index
24 all docs	24 docs citations	24 times ranked	233 citing authors

#	Article	IF	Citations
1	Jupiter radio emission induced by Ganymede and consequences for the radio detection of exoplanets. Astronomy and Astrophysics, 2018, 618, A84.	5.1	27
2	ExPRES: an Exoplanetary and Planetary Radio Emissions Simulator. Astronomy and Astrophysics, 2019, 627, A30.	5.1	26
3	Comparisons Between Jupiter's Xâ€ray, UV and Radio Emissions and Inâ€Situ Solar Wind Measurements During 2007. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027222.	2.4	24
4	Ioâ€Jupiter decametric arcs observed by Juno/Waves compared to ExPRES simulations. Geophysical Research Letters, 2017, 44, 9225-9232.	4.0	22
5	Detection of Jupiter decametric emissions controlled by Europa and Ganymede with Voyager/PRA and Cassini/RPWS. Journal of Geophysical Research: Space Physics, 2017, 122, 9228-9247.	2.4	20
6	Jovian Auroral Radio Sources Detected In Situ by Juno/Waves: Comparisons With Model Auroral Ovals and Simultaneous HST FUV Images. Geophysical Research Letters, 2019, 46, 11606-11614.	4.0	15
7	Juno Plasma Wave Observations at Ganymede. Geophysical Research Letters, 2022, 49, .	4.0	13
8	Science Goals and Mission Objectives for the Future Exploration of Ice Giants Systems: A Horizon 2061 Perspective. Space Science Reviews, 2021, 217, 1.	8.1	11
9	A Preliminary Study of Magnetosphereâ€Ionosphereâ€Thermosphere Coupling at Jupiter: Juno Multiâ€Instrument Measurements and Modeling Tools. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029469.	2.4	11
10	Probing Jovian Broadband Kilometric Radio Sources Tied to the Ultraviolet Main Auroral Oval With Juno. Geophysical Research Letters, 2019, 46, 571-579.	4.0	10
11	Ganymedeâ€Induced Decametric Radio Emission: In Situ Observations and Measurements by Juno. Geophysical Research Letters, 2020, 47, e2020GL090021.	4.0	10
12	Latitudinal Beaming of Jupiter's Radio Emissions From Juno/Waves Flux Density Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029435.	2.4	9
13	Wind/WAVES Observations of Auroral Kilometric Radiation: Automated Burst Detection and Terrestrial Solar Wind â€•Magnetosphere Coupling Effects. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	9
14	Characteristics of Jupiter's Xâ€Ray Auroral Hot Spot Emissions Using Chandra. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029243.	2.4	8
15	A Comprehensive Set of Juno In Situ and Remote Sensing Observations of the Ganymede Auroral Footprint. Geophysical Research Letters, 2022, 49, .	4.0	8
16	Determining the Beaming of Io Decametric Emissions: A Remote Diagnostic to Probe the Ioâ€Jupiter Interaction. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	7
17	Jupiter's Auroral Radio Emissions Observed by Cassini: Rotational Versus Solar Wind Control, and Components Identification. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029780.	2.4	6
18	MASER: A Science Ready Toolbox for Low Frequency Radio Astronomy. Data Science Journal, 2020, 19, .	1.3	4

#	Article	IF	Citations
19	Comment on â€œLocating the source field lines of Jovian decametric radio emissionsâ€•by YuMing Wang et al.. Earth and Planetary Physics, 2022, 6, 10-12.	1.1	3
20	Jovian auroral radio source occultation modelling and application to the JUICE science mission planning. Planetary and Space Science, 2021, 209, 105344.	1.7	2