

Sara Navarro

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,469
citations

361413

20
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

2607
citing authors

#	ARTICLE	IF	CITATIONS
1	The dynamic atmospheric and aeolian environment of Jezero crater, Mars. <i>Science Advances</i> , 2022, 8, .	10.3	47
2	The Mars Environmental Dynamics Analyzer, MEDA. A Suite of Environmental Sensors for the Mars 2020 Mission. <i>Space Science Reviews</i> , 2021, 217, 48.	8.1	57
3	A Comodulation Analysis of Atmospheric Energy Injection Into the Ground Motion at InSight, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006538.	3.6	33
4	Vortexâ€Dominated Aeolian Activity at InSight's Landing Site, Part 1: Multiâ€Instrument Observations, Analysis, and Implications. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006757.	3.6	23
5	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	12.9	161
6	Gale surface wind characterization based on the Mars Science Laboratory REMS dataset. Part I: Wind retrieval and Gale's wind speeds and directions. <i>Icarus</i> , 2019, 319, 909-925.	2.5	45
7	InSight Auxiliary Payload Sensor Suite (APSS). <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	104
8	Gale surface wind characterization based on the Mars Science Laboratory REMS dataset. Part II: Wind probability distributions. <i>Icarus</i> , 2019, 319, 645-656.	2.5	36
9	Experimental and Numerical Characterization of the Flow Around the Mars 2020 Rover. <i>Journal of Spacecraft and Rockets</i> , 2018, 55, 1136-1143.	1.9	6
10	Analysis of wind-induced dynamic pressure fluctuations during one and a half Martian years at Gale Crater. <i>Icarus</i> , 2017, 288, 78-87.	2.5	15
11	Martian aeolian activity at the Bagnold Dunes, Gale Crater: The view from the surface and orbit. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2077-2110.	3.6	77
12	Winds measured by the Rover Environmental Monitoring Station (REMS) during the Mars Science Laboratory (MSL) rover's Bagnold Dunes Campaign and comparison with numerical modeling using MarsWRF. <i>Icarus</i> , 2017, 291, 203-231.	2.5	119
13	Characterization of the flow around the Mars 2020 Rover. , 2017, , .		3
14	Convective vortices and dust devils at the MSL landing site: Annual variability. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1514-1549.	3.6	55
15	The meteorology of Gale Crater as determined from Rover Environmental Monitoring Station observations and numerical modeling. Part II: Interpretation. <i>Icarus</i> , 2016, 280, 114-138.	2.5	81
16	The meteorology of Gale crater as determined from rover environmental monitoring station observations and numerical modeling. Part I: Comparison of model simulations with observations. <i>Icarus</i> , 2016, 280, 103-113.	2.5	54
17	Curiosity's rover environmental monitoring station: Overview of the first 100 sols. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1680-1688.	3.6	112
18	Marsâ€™ Surface Radiation Environment Measured with the Mars Science Laboratoryâ€™s Curiosity Rover. <i>Science</i> , 2014, 343, 1244797.	12.6	475

#	ARTICLE	IF	CITATIONS
19	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266.	12.6	327
20	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. Science, 2013, 341, 1238670.	12.6	215
21	Low Upper Limit to Methane Abundance on Mars. Science, 2013, 342, 355-357.	12.6	103
22	REMS: The Environmental Sensor Suite for the Mars Science Laboratory Rover. Space Science Reviews, 2012, 170, 583-640.	8.1	247
23	REMS: The Environmental Sensor Suite for the Mars Science Laboratory Rover. , 2012, , 583-640.		11
24	An Autonomous System for the Locomotion of a Hexapod Exploration Robot. , 2009, , .		0
25	A hot film anemometer for the Martian atmosphere. Planetary and Space Science, 2008, 56, 1169-1179.	1.7	62