

Josefina Torres Redondo

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,641
citations

361413

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23
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docs citations

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times ranked

3223
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | Location and Setting of the Mars InSight Lander, Instruments, and Landing Site. <i>Earth and Space Science</i> , 2020, 7, e2020EA001248. | 2.6 | 34 |
| 3 | The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198. | 12.9 | 161 |
| 4 | B-BOP: the SPICA imaging polarimeter. , 2020, , . | | 1 |
| 5 | A far infrared spectrometer for SPICA mission: optical E2E of SAFARI. , 2020, , . | | 0 |
| 6 | The 4K focal plane unit for SPICA's SAFARI far infrared instrument. , 2020, , . | | 0 |
| 7 | 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 |
| 8 | InSight Auxiliary Payload Sensor Suite (APSS). <i>Space Science Reviews</i> , 2019, 215, 1. | 8.1 | 104 |
| 9 | 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 |
| 10 | 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 |
| 11 | <i>SPICA</i>"A Large Cryogenic Infrared Space Telescope: Unveiling the Obscured Universe. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, . | 3.4 | 90 |
| 12 | The optical design of a far infrared spectrometer for SPICA: grating modules evaluation. , 2018, , . | | 1 |
| 13 | 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 |
| 14 | Characterization of the flow around the Mars 2020 Rover. , 2017, , . | | 3 |
| 15 | Spica-Safari reference optical design. , 2017, , . | | 0 |
| 16 | Electro-optical characterization system developed for ATLIDCAS AIV: flat field and collimated beam injections. , 2017, , . | | 0 |
| 17 | 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 |
| 18 | SAFARI optical system architecture and design concept. <i>Proceedings of SPIE</i> , 2016, , . | 0.8 | 4 |

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|----|--|------|-----------|
| 19 | The meteorology of Gale crater as determined from rover environmental monitoring station observations and numerical modeling. Part I: Comparison of model simulations with observations. Icarus, 2016, 280, 103-113. | 2.5 | 54 |
| 20 | ESTUDIO DE UN ROBOT CAMINANTE PARA LA EXPLORACION DE MARTE. Dyna New Technologies, 2016, 3, [11 p.]-[11 p.]. | 0.1 | 0 |
| 21 | Origin of the ionized wind in MWC 349A. Astronomy and Astrophysics, 2014, 571, L4. | 5.1 | 12 |
| 22 | The optical design of a far infrared imaging FTS for SPICA. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 23 | Cryogenic filter wheel design for an infrared instrument. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 24 | Curiosity's rover environmental monitoring station: Overview of the first 100 sols. Journal of Geophysical Research E: Planets, 2014, 119, 1680-1688. | 3.6 | 112 |
| 25 | Mars's Surface Radiation Environment Measured with the Mars Science Laboratory's Curiosity Rover. Science, 2014, 343, 1244797. | 12.6 | 475 |
| 26 | Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266. | 12.6 | 327 |
| 27 | Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. Science, 2013, 341, 1238670. | 12.6 | 215 |
| 28 | Low Upper Limit to Methane Abundance on Mars. Science, 2013, 342, 355-357. | 12.6 | 103 |
| 29 | The optical design concept of SPICA-SAFARI. , 2012, , . | | 2 |
| 30 | REMS: The Environmental Sensor Suite for the Mars Science Laboratory Rover. Space Science Reviews, 2012, 170, 583-640. | 8.1 | 247 |
| 31 | Analysis and 2D Simulation of a Hexapod Robot Leg for Remote Exploration. , 2011, , . | | 1 |
| 32 | Astrobiological Field Campaign to a Volcanosedimentary Mars Analogue Methane Producing Subsurface Protected Ecosystem: Imuruk Lake (Alaska). Advances in Astronomy, 2011, 2011, 1-8. | 1.1 | 0 |
| 33 | New results on thermal and photodesorption of CO ice using the novel InterStellar Astrochemistry Chamber (ISAC). Astronomy and Astrophysics, 2010, 522, A108. | 5.1 | 127 |
| 34 | A hot film anemometer for the Martian atmosphere. Planetary and Space Science, 2008, 56, 1169-1179. | 1.7 | 62 |
| 35 | The 2005 MARTE Robotic Drilling Experiment in Río Tinto, Spain: Objectives, Approach, and Results of a Simulated Mission to Search for Life in the Martian Subsurface. Astrobiology, 2008, 8, 921-945. | 3.0 | 52 |
| 36 | The Tinto River, an extreme acidic environment under control of iron, as an analog of the Terra Meridiani hematite site of Mars. Planetary and Space Science, 2004, 52, 239-248. | 1.7 | 110 |