

Miguel Ángel de Pablo

List of Publications by Year in descending order

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48
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citations

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times ranked

4879
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1242777. | 6.0 | 687 |
| 2 | Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480. | 6.0 | 508 |
| 3 | Marsâ€™ Surface Radiation Environment Measured with the Mars Science Laboratoryâ€™s Curiosity Rover. Science, 2014, 343, 1244797. | 6.0 | 475 |
| 4 | Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937. | 6.0 | 367 |
| 5 | X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. Science, 2013, 341, 1238932. | 6.0 | 327 |
| 6 | Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266. | 6.0 | 327 |
| 7 | Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267. | 6.0 | 323 |
| 8 | Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. Science, 2013, 341, 1239505. | 6.0 | 280 |
| 9 | REMS: The Environmental Sensor Suite for the Mars Science Laboratory Rover. Space Science Reviews, 2012, 170, 583-640. | 3.7 | 247 |
| 10 | Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1244734. | 6.0 | 246 |
| 11 | Isotope Ratios of H, C, and O in CO ₂ and H ₂ O of the Martian Atmosphere. Science, 2013, 341, 260-263. | 6.0 | 241 |
| 12 | In Situ Radiometric and Exposure Age Dating of the Martian Surface. Science, 2014, 343, 1247166. | 6.0 | 224 |
| 13 | Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. Science, 2013, 341, 1238670. | 6.0 | 215 |
| 14 | Episodic flood inundations of the northern plains of Mars. Icarus, 2003, 165, 53-67. | 1.1 | 167 |
| 15 | The Petrochemistry of Jake_M: A Martian Mugearite. Science, 2013, 341, 1239463. | 6.0 | 134 |
| 16 | SoilTemp: A global database of nearâ€‘surface temperature. Global Change Biology, 2020, 26, 6616-6629. | 4.2 | 122 |
| 17 | Global maps of soil temperature. Global Change Biology, 2022, 28, 3110-3144. | 4.2 | 113 |
| 18 | Curiosity's rover environmental monitoring station: Overview of the first 100 sols. Journal of Geophysical Research E: Planets, 2014, 119, 1680-1688. | 1.5 | 112 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Low Upper Limit to Methane Abundance on Mars. Science, 2013, 342, 355-357. | 6.0 | 103 |
| 20 | Recent geological and hydrological activity on Mars: The Tharsis/Elysium corridor. Planetary and Space Science, 2008, 56, 985-1013. | 0.9 | 92 |
| 21 | Possible pingo fields in the Utopia basin, Mars: Geological and climatical implications. Icarus, 2009, 199, 49-74. | 1.1 | 74 |
| 22 | Observations and preliminary science results from the first 100 sols of MSL Rover Environmental Monitoring Station ground temperature sensor measurements at Gale Crater. Journal of Geophysical Research E: Planets, 2014, 119, 745-770. | 1.5 | 67 |
| 23 | Recent Warming and Cooling in the Antarctic Peninsula Region has Rapid and Large Effects on Lichen Vegetation. Scientific Reports, 2017, 7, 5689. | 1.6 | 61 |
| 24 | Snow cover evolution, on 2009-2014, at the Limnopolar Lake CALM-S site on Byers Peninsula, Livingston Island, Antarctica.. Catena, 2017, 149, 538-547. | 2.2 | 55 |
| 25 | Age and evolution of the lower NW flank of the Hecates Tholus volcano, Mars, based on crater sizeâ€“frequency distribution on CTX images. Icarus, 2013, 226, 455-469. | 1.1 | 53 |
| 26 | Interannual active layer variability at the Limnopolar Lake CALM site on Byers Peninsula, Livingston Island, Antarctica. Antarctic Science, 2013, 25, 167-180. | 0.5 | 41 |
| 27 | Thermal characterization of the active layer at the Limnopolar Lake CALM-S site on Byers Peninsula (Livingston Island), Antarctica. Solid Earth, 2014, 5, 721-739. | 1.2 | 35 |
| 28 | Active layer dynamics in three topographically distinct lake catchments in Byers Peninsula (Livingston) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 2.2 | 34 |
| 29 | Recent shallowing of the thaw depth at Crater Lake, Deception Island, Antarctica (2006â€“2014). Catena, 2017, 149, 519-528. | 2.2 | 31 |
| 30 | Active layer monitoring in Antarctica: an overview of results from 2006 to 2015. Polar Geography, 2021, 44, 217-231. | 0.8 | 30 |
| 31 | Joint application of ground penetrating radar and electrical resistivity imaging to investigate volcanic materials and structures in Tenerife (Canary Islands, Spain). Journal of Applied Geophysics, 2007, 62, 287-300. | 0.9 | 29 |
| 32 | Plant communities as a key factor in biogeochemical processes involving micronutrients (Fe, Mn, Co,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 2.3 | 29 |
| 33 | Coogoon Valles, western Arabia Terra: Hydrological evolution of a complex Martian channel system. Icarus, 2017, 293, 27-44. | 1.1 | 25 |
| 34 | Evidence of gully formation by regional groundwater flow in the Gorgonumâ€“Newton region (Mars). Icarus, 2005, 179, 398-414. | 1.1 | 22 |
| 35 | Detailed detection of active layer freezeâ€“thaw dynamics using quasi-continuous electrical resistivity tomography (Deception Island, Antarctica). Cryosphere, 2020, 14, 1105-1120. | 1.5 | 17 |
| 36 | Geomorphological evidence of water level changes in Nepenthes Mensae, Mars. Icarus, 2008, 196, 667-671. | 1.1 | 16 |

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|----|--|-----|-----------|
| 37 | Active layer thermal regime in two climatically contrasted sites of the Antarctic Peninsula region. Cuadernos De Investigacion Geografica, 2016, 42, 457-474. | 0.6 | 13 |
| 38 | Temperature gradient distribution in permafrost active layer, using a prototype of the ground temperature sensor (REMS-MSL) on deception island (Antarctica). Cold Regions Science and Technology, 2012, 72, 23-32. | 1.6 | 12 |
| 39 | Frozen ground and snow cover monitoring in the South Shetland Islands, Antarctica: Instrumentation, effects on ground thermal behaviour and future research. Cuadernos De Investigacion Geografica, 2016, 42, 475-495. | 0.6 | 12 |
| 40 | Modelling ground thermal regime in bordering (dis)continuous permafrost environments. Environmental Research, 2020, 181, 108901. | 3.7 | 11 |
| 41 | Geology of the Ariadnes Basin, NE Eridania quadrangle, Mars " 1:1Million. Journal of Maps, 2014, 10, 487-499. | 1.0 | 10 |
| 42 | Snow Albedo Seasonality and Trend from MODIS Sensor and Ground Data at Johnsons Glacier, Livingston Island, Maritime Antarctica. Sensors, 2019, 19, 3569. | 2.1 | 10 |
| 43 | Transition from a Subaerial to a Subnival Permafrost Temperature Regime Following Increased Snow Cover (Livingston Island, Maritime Antarctic). Atmosphere, 2020, 11, 1332. | 1.0 | 10 |
| 44 | Atlantis basin, Sirenum Terrae, Mars: geological setting and astrobiological implications. International Journal of Astrobiology, 2004, 3, 257-263. | 0.9 | 6 |
| 45 | Thaw depth spatial and temporal variability at the Limnopolar Lake CALM-S site, Byers Peninsula, Livingston Island, Antarctica. Science of the Total Environment, 2018, 615, 814-827. | 3.9 | 6 |
| 46 | Empirical Models for Estimating Air Temperature Using MODIS Land Surface Temperature (and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 2016. Remote Sensing, 2022, 14, 3206. | 1.8 | 6 |
| 47 | Geomorphological map of the lower NW flank of the Hecates Tholus volcano, Mars (scale 1:100,000). Journal of Maps, 2012, 8, 208-214. | 1.0 | 5 |
| 48 | Análisis del estado de la capa activa en el emplazamiento de la base antártica española Gabriel de Castilla, Isla Decepción, Antártida. Boletín Geológico Y Minero, 2017, 128, 69-92. | 0.0 | 2 |