

Miguel Ángel de Pablo

List of Publications by Year in descending order

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docs citations

52
times ranked

4879
citing authors

#	ARTICLE	IF	CITATIONS
1	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1242777.	12.6	687
2	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	12.6	508
3	Mars's Surface Radiation Environment Measured with the Mars Science Laboratory's Curiosity Rover. Science, 2014, 343, 1244797.	12.6	475
4	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937.	12.6	367
5	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. Science, 2013, 341, 1238932.	12.6	327
6	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266.	12.6	327
7	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267.	12.6	323
8	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. Science, 2013, 341, 1239505.	12.6	280
9	REMS: The Environmental Sensor Suite for the Mars Science Laboratory Rover. Space Science Reviews, 2012, 170, 583-640.	8.1	247
10	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1244734.	12.6	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.	12.6	241
12	In Situ Radiometric and Exposure Age Dating of the Martian Surface. Science, 2014, 343, 1247166.	12.6	224
13	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. Science, 2013, 341, 1238670.	12.6	215
14	Episodic flood inundations of the northern plains of Mars. Icarus, 2003, 165, 53-67.	2.5	167
15	The Petrochemistry of Jake_M: A Martian Mugarite. Science, 2013, 341, 1239463.	12.6	134
16	SoilTemp: A global database of near-surface temperature. Global Change Biology, 2020, 26, 6616-6629.	9.5	122
17	Global maps of soil temperature. Global Change Biology, 2022, 28, 3110-3144.	9.5	113
18	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

#	ARTICLE	IF	CITATIONS
19	Low Upper Limit to Methane Abundance on Mars. <i>Science</i> , 2013, 342, 355-357.	12.6	103
20	Recent geological and hydrological activity on Mars: The Tharsis/Elysium corridor. <i>Planetary and Space Science</i> , 2008, 56, 985-1013.	1.7	92
21	Possible pingo fields in the Utopia basin, Mars: Geological and climatological implications. <i>Icarus</i> , 2009, 199, 49-74.	2.5	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. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 745-770.	3.6	67
23	Recent Warming and Cooling in the Antarctic Peninsula Region has Rapid and Large Effects on Lichen Vegetation. <i>Scientific Reports</i> , 2017, 7, 5689.	3.3	61
24	Snow cover evolution, on 2009-2014, at the Limnopolar Lake CALM-S site on Byers Peninsula, Livingston Island, Antarctica. <i>Catena</i> , 2017, 149, 538-547.	5.0	55
25	Age and evolution of the lower NW flank of the Hecates Tholus volcano, Mars, based on crater size-frequency distribution on CTX images. <i>Icarus</i> , 2013, 226, 455-469.	2.5	53
26	Interannual active layer variability at the Limnopolar Lake CALM site on Byers Peninsula, Livingston Island, Antarctica. <i>Antarctic Science</i> , 2013, 25, 167-180.	0.9	41
27	Thermal characterization of the active layer at the Limnopolar Lake CALM-S site on Byers Peninsula (Livingston Island), Antarctica. <i>Solid Earth</i> , 2014, 5, 721-739.	2.8	35
28	Active layer dynamics in three topographically distinct lake catchments in Byers Peninsula (Livingston) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.6	34
29	Recent shallowing of the thaw depth at Crater Lake, Deception Island, Antarctica (2006-2014). <i>Catena</i> , 2017, 149, 519-528.	5.0	31
30	Active layer monitoring in Antarctica: an overview of results from 2006 to 2015. <i>Polar Geography</i> , 2021, 44, 217-231.	1.9	30
31	Joint application of ground penetrating radar and electrical resistivity imaging to investigate volcanic materials and structures in Tenerife (Canary Islands, Spain). <i>Journal of Applied Geophysics</i> , 2007, 62, 287-300.	2.1	29
32	Plant communities as a key factor in biogeochemical processes involving micronutrients (Fe, Mn, Co,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.1	29
33	Coogoon Valles, western Arabia Terra: Hydrological evolution of a complex Martian channel system. <i>Icarus</i> , 2017, 293, 27-44.	2.5	25
34	Evidence of gully formation by regional groundwater flow in the Gorgonum-Newton region (Mars). <i>Icarus</i> , 2005, 179, 398-414.	2.5	22
35	Detailed detection of active layer freeze-thaw dynamics using quasi-continuous electrical resistivity tomography (Deception Island, Antarctica). <i>Cryosphere</i> , 2020, 14, 1105-1120.	3.9	17
36	Geomorphological evidence of water level changes in <i>Nepenthes Mensae</i> , Mars. <i>Icarus</i> , 2008, 196, 667-671.	2.5	16

#	ARTICLE	IF	CITATIONS
37	Active layer thermal regime in two climatically contrasted sites of the Antarctic Peninsula region. Cuadernos De Investigacion Geografica, 2016, 42, 457-474.	1.1	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.	3.5	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.	1.1	12
40	Modelling ground thermal regime in bordering (dis)continuous permafrost environments. Environmental Research, 2020, 181, 108901.	7.5	11
41	Geology of the Ariadnes Basin, NE Eridania quadrangle, Mars " 1:1Million. Journal of Maps, 2014, 10, 487-499.	2.0	10
42	Snow Albedo Seasonality and Trend from MODIS Sensor and Ground Data at Johnsons Glacier, Livingston Island, Maritime Antarctica. Sensors, 2019, 19, 3569.	3.8	10
43	Transition from a Subaerial to a Subnival Permafrost Temperature Regime Following Increased Snow Cover (Livingston Island, Maritime Antarctic). Atmosphere, 2020, 11, 1332.	2.3	10
44	Atlantis basin, Sirenum Terrae, Mars: geological setting and astrobiological implications. International Journal of Astrobiology, 2004, 3, 257-263.	1.6	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.	8.0	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.	4.0	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.	2.0	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.	0.1	2