

Miguel Ángel de Pablo

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

6,035
citations

172207

29
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205818

48
g-index

52
all docs

52
docs citations

52
times ranked

4879
citing authors

#	ARTICLE	IF	CITATIONS
1	Global maps of soil temperature. <i>Global Change Biology</i> , 2022, 28, 3110-3144.	4.2	113
2	Empirical Models for Estimating Air Temperature Using MODIS Land Surface Temperature (and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 2016. <i>Remote Sensing</i> , 2022, 14, 3206.	1.8	6
3	Active layer monitoring in Antarctica: an overview of results from 2006 to 2015. <i>Polar Geography</i> , 2021, 44, 217-231.	0.8	30
4	Modelling ground thermal regime in bordering (dis)continuous permafrost environments. <i>Environmental Research</i> , 2020, 181, 108901.	3.7	11
5	Transition from a Subaerial to a Subnival Permafrost Temperature Regime Following Increased Snow Cover (Livingston Island, Maritime Antarctica). <i>Atmosphere</i> , 2020, 11, 1332.	1.0	10
6	Detailed detection of active layer freeze-thaw dynamics using quasi-continuous electrical resistivity tomography (Deception Island, Antarctica). <i>Cryosphere</i> , 2020, 14, 1105-1120.	1.5	17
7	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , 2020, 26, 6616-6629.	4.2	122
8	Snow Albedo Seasonality and Trend from MODIS Sensor and Ground Data at Johnsons Glacier, Livingston Island, Maritime Antarctica. <i>Sensors</i> , 2019, 19, 3569.	2.1	10
9	Thaw depth spatial and temporal variability at the Limnopolar Lake CALM-S site, Byers Peninsula, Livingston Island, Antarctica. <i>Science of the Total Environment</i> , 2018, 615, 814-827.	3.9	6
10	Coogoon Valles, western Arabia Terra: Hydrological evolution of a complex Martian channel system. <i>Icarus</i> , 2017, 293, 27-44.	1.1	25
11	Recent Warming and Cooling in the Antarctic Peninsula Region has Rapid and Large Effects on Lichen Vegetation. <i>Scientific Reports</i> , 2017, 7, 5689.	1.6	61
12	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.	2.2	55
13	Recent shallowing of the thaw depth at Crater Lake, Deception Island, Antarctica (2006-2014). <i>Catena</i> , 2017, 149, 519-528.	2.2	31
14	Active layer dynamics in three topographically distinct lake catchments in Byers Peninsula (Livingston) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	2.2	34
15	Análisis del estado de la capa activa en el emplazamiento de la base antártica española Gabriel de Castilla, Isla Decepción, Antártida. <i>Boletín Geológico Y Minero</i> , 2017, 128, 69-92.	0.0	2
16	Active layer thermal regime in two climatically contrasted sites of the Antarctic Peninsula region. <i>Cuadernos De Investigacion Geografica</i> , 2016, 42, 457-474.	0.6	13
17	Frozen ground and snow cover monitoring in the South Shetland Islands, Antarctica: Instrumentation, effects on ground thermal behaviour and future research. <i>Cuadernos De Investigacion Geografica</i> , 2016, 42, 475-495.	0.6	12
18	Geology of the Ariadnes Basin, NE Eridania quadrangle, Mars - 1:1Million. <i>Journal of Maps</i> , 2014, 10, 487-499.	1.0	10

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19	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.	1.2	35
20	Curiosity's rover environmental monitoring station: Overview of the first 100 sols. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1680-1688.	1.5	112
21	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1245267.	6.0	323
22	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1242777.	6.0	687
23	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1243480.	6.0	508
24	Marsâ€™™ Surface Radiation Environment Measured with the Mars Science Laboratoryâ€™™s Curiosity Rover. <i>Science</i> , 2014, 343, 1244797.	6.0	475
25	In Situ Radiometric and Exposure Age Dating of the Martian Surface. <i>Science</i> , 2014, 343, 1247166.	6.0	224
26	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1244734.	6.0	246
27	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.	1.5	67
28	Plant communities as a key factor in biogeochemical processes involving micronutrients (Fe, Mn, Co,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	29
29	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. <i>Science</i> , 2013, 341, 1238932.	6.0	327
30	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. <i>Science</i> , 2013, 341, 1239505.	6.0	280
31	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. <i>Science</i> , 2013, 341, 263-266.	6.0	327
32	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. <i>Science</i> , 2013, 341, 1238937.	6.0	367
33	Isotope Ratios of H, C, and O in CO ₂ and H ₂ O of the Martian Atmosphere. <i>Science</i> , 2013, 341, 260-263.	6.0	241
34	Age and evolution of the lower NW flank of the Hecates Tholus volcano, Mars, based on crater sizeâ€™™frequency distribution on CTX images. <i>Icarus</i> , 2013, 226, 455-469.	1.1	53
35	Interannual active layer variability at the Limnopolar Lake CALM site on Byers Peninsula, Livingston Island, Antarctica. <i>Antarctic Science</i> , 2013, 25, 167-180.	0.5	41
36	The Petrochemistry of Jake_M: A Martian Mugarite. <i>Science</i> , 2013, 341, 1239463.	6.0	134

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37	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. <i>Science</i> , 2013, 341, 1238670.	6.0	215
38	Low Upper Limit to Methane Abundance on Mars. <i>Science</i> , 2013, 342, 355-357.	6.0	103
39	Geomorphological map of the lower NW flank of the Hecates Tholus volcano, Mars (scale 1:100,000). <i>Journal of Maps</i> , 2012, 8, 208-214.	1.0	5
40	REMS: The Environmental Sensor Suite for the Mars Science Laboratory Rover. <i>Space Science Reviews</i> , 2012, 170, 583-640.	3.7	247
41	Temperature gradient distribution in permafrost active layer, using a prototype of the ground temperature sensor (REMS-MSL) on deception island (Antarctica). <i>Cold Regions Science and Technology</i> , 2012, 72, 23-32.	1.6	12
42	Possible pingo fields in the Utopia basin, Mars: Geological and climatological implications. <i>Icarus</i> , 2009, 199, 49-74.	1.1	74
43	Recent geological and hydrological activity on Mars: The Tharsis/Elysium corridor. <i>Planetary and Space Science</i> , 2008, 56, 985-1013.	0.9	92
44	Geomorphological evidence of water level changes in Nepenthes Mensae, Mars. <i>Icarus</i> , 2008, 196, 667-671.	1.1	16
45	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.	0.9	29
46	Evidence of gully formation by regional groundwater flow in the Gorgonumâ€“Newton region (Mars). <i>Icarus</i> , 2005, 179, 398-414.	1.1	22
47	Atlantis basin, Sirenum Terrae, Mars: geological setting and astrobiological implications. <i>International Journal of Astrobiology</i> , 2004, 3, 257-263.	0.9	6
48	Episodic flood inundations of the northern plains of Mars. <i>Icarus</i> , 2003, 165, 53-67.	1.1	167