

Gonçalo Vieira

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

3,579
citations

186209

28
h-index

138417

58
g-index

117
all docs

117
docs citations

117
times ranked

4967
citing authors

#	ARTICLE	IF	CITATIONS
1	Macrofabric and grain size analysis of moraines and other till deposits in the Serra da Estrela Mountains, central Portugal. <i>Physical Geography</i> , 2022, 43, 238-264.	0.6	3
2	The glaciers of Serra da Estrela. , 2022, , 417-435.		2
3	Glacial oscillations during the BÅllingâ€“AllerÃd Interstadialâ€“Younger Dryas transition in the Ruda Valley, Central Pyrenees. <i>Journal of Quaternary Science</i> , 2022, 37, 42-58.	1.1	5
4	Geomorphology of the Aran Valley (Upper Garonne Basin, Central Pyrenees). <i>Journal of Maps</i> , 2022, 18, 219-231.	1.0	3
5	UAVs for Science in Antarctica. <i>Remote Sensing</i> , 2022, 14, 1610.	1.8	22
6	Contrasting soil dynamics in a formerly glaciated and non-glaciated Mediterranean mountain plateau (Serra da Estrela, Portugal). <i>Catena</i> , 2022, 215, 106314.	2.2	3
7	Multiscale Object-Based Classification and Feature Extraction along Arctic Coasts. <i>Remote Sensing</i> , 2022, 14, 2982.	1.8	2
8	Active layer monitoring in Antarctica: an overview of results from 2006 to 2015. <i>Polar Geography</i> , 2021, 44, 217-231.	0.8	30
9	UAV-based very high resolution point cloud, digital surface model and orthomosaic of the ChÃ£ das Caldeiras lava fields (Fogo, Cabo Verde). <i>Earth System Science Data</i> , 2021, 13, 3179-3201.	3.7	9
10	Penultimate Glacial Cycle glacier extent in the Iberian Peninsula: New evidence from the Serra da Estrela (Central System, Portugal). <i>Geomorphology</i> , 2021, 388, 107781.	1.1	10
11	Maximum glacier extent of the Penultimate Glacial Cycle in the Upper Garonne Basin (Pyrenees): new chronological evidence. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	7
12	Monitoring recent changes of vegetation in Fildes Peninsula (King George Island, Antarctica) through satellite imagery guided by UAV surveys. <i>Science of the Total Environment</i> , 2020, 704, 135295.	3.9	50
13	Feasibility Study for the Application of Synthetic Aperture Radar for Coastal Erosion Rate Quantification Across the Arctic. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	8
14	Evaluation of UAV and satellite-derived NDVI to map maritime Antarctic vegetation. <i>Applied Geography</i> , 2020, 125, 102322.	1.7	28
15	Paraglacial slope failures in the Aran valley (Central Pyrenees). <i>Quaternary International</i> , 2020, 566-567, 24-38.	0.7	7
16	Structural Characterization of Dissolved Organic Matter in Permafrost Peatland Lakes. <i>Water (Switzerland)</i> , 2020, 12, 3059.	1.2	7
17	Transition from a Subaerial to a Subnival Permafrost Temperature Regime Following Increased Snow Cover (Livingston Island, Maritime Antarctic). <i>Atmosphere</i> , 2020, 11, 1332.	1.0	10
18	Reconstructing cold climate paleoenvironments from micromorphological analysis of relict slope deposits (Serra da Estrela, Central Portugal). <i>Permafrost and Periglacial Processes</i> , 2020, 31, 567-586.	1.5	3

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19	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
20	Pan-Antarctic map of near-surface permafrost temperatures at 1 km scale. <i>Cryosphere</i> , 2020, 14, 497-519.	1.5	34
21	Glacial and Periglacial Landscapes of the Serra da Estrela. <i>World Geomorphological Landscapes</i> , 2020, , 185-198.	0.1	4
22	The Climate of Portugal. <i>World Geomorphological Landscapes</i> , 2020, , 33-46.	0.1	7
23	Frozen ground and snow cover monitoring in Livingston and Deception islands, Antarctica: preliminary results of the 2015-2019 PERMASNOW project. <i>Cuadernos De Investigacion Geografica</i> , 2020, 46, 187-222.	0.6	8
24	The deglaciation of Barton Peninsula (King George Island, South Shetland Islands, Antarctica) based on geomorphological evidence and lacustrine records. <i>Polar Record</i> , 2019, 55, 177-188.	0.4	16
25	State of the Climate in 2018. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, Si-S306.	1.7	168
26	Identification of a Threshold Minimum Area for Reflectance Retrieval from Thermokarst Lakes and Ponds Using Full-Pixel Data from Sentinel-2. <i>Remote Sensing</i> , 2019, 11, 657.	1.8	16
27	Permafrost is warming at a global scale. <i>Nature Communications</i> , 2019, 10, 264.	5.8	1,039
28	Evaluation of the use of very high resolution aerial imagery for accurate ice-wedge polygon mapping (Adventdalen, Svalbard). <i>Science of the Total Environment</i> , 2018, 615, 1574-1583.	3.9	27
29	Sentinel-1 SAR Interferometry for Surface Deformation Monitoring in Low-Land Permafrost Areas. <i>Remote Sensing</i> , 2018, 10, 1360.	1.8	67
30	Permafrost conditions in the Mediterranean region since the Last Glaciation. <i>Earth-Science Reviews</i> , 2018, 185, 397-436.	4.0	81
31	State of knowledge: Antarctic wildlife response to unmanned aerial systems. <i>Polar Biology</i> , 2018, 41, 2387-2398.	0.5	22
32	Automatic ERT Monitoring System Installation at Crater Lake, Deception Island, Antarctica. , 2018, , .		0
33	Climatically sensitive transfer of iron to maritime Antarctic ecosystems by surface runoff. <i>Nature Communications</i> , 2017, 8, 14499.	5.8	64
34	Reforestation and land use change as drivers for a decrease of avalanche damage in mid-latitude mountains (NW Spain). <i>Global and Planetary Change</i> , 2017, 153, 35-50.	1.6	38
35	Microbes influence the biogeochemical and optical properties of maritime Antarctic snow. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2017, 122, 1456-1470.	1.3	33
36	Soil temperatures in an Atlantic high mountain environment: The Forcadona buried ice patch (Picos de Tj ETQq0 0.0,rgBT /Overlock 10	2.2	23

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37	Recent shallowing of the thaw depth at Crater Lake, Deception Island, Antarctica (2006–2014). <i>Catena</i> , 2017, 149, 519-528.	2.2	31
38	Active layer dynamics in three topographically distinct lake catchments in Byers Peninsula (Livingston Island), Antarctica. <i>Journal of Glaciology</i> , 2017, 53, 107-118.	2.2	34
39	Ground temperature and permafrost distribution in Hurd Peninsula (Livingston Island, Maritime Antarctica). <i>Journal of Glaciology</i> , 2017, 53, 119-128.	2.2	65
40	New observations indicate the possible presence of permafrost in North Africa (Djebel Toubkal, High Atlas). <i>Journal of Glaciology</i> , 2017, 53, 129-138.	1.5	22
41	Evaluation of single-band snow-patch mapping using high-resolution microwave remote sensing: an application in the maritime Antarctic. <i>Cryosphere</i> , 2017, 11, 139-155.	1.5	9
42	State of the Climate in 2016. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, S1-S280.	1.7	132
43	Spatial and temporal variability of periglaciation of the Iberian Peninsula. <i>Quaternary Science Reviews</i> , 2016, 137, 176-199.	1.4	77
44	Accurate determination of surface reference data in digital photographs in ice-free surfaces of Maritime Antarctica. <i>Science of the Total Environment</i> , 2016, 573, 290-302.	3.9	14
45	The Holocene deglaciation of the Byers Peninsula (Livingston Island, Antarctica) based on the dating of lake sedimentary records. <i>Geomorphology</i> , 2016, 261, 89-102.	1.1	36
46	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
47	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
48	Mitigation of atmospheric phase delay in InSAR time series using ERA-interim model, GPS and MODIS data: Application to the permafrost deformation in Hurd Peninsula, Antarctica. <i>Journal of Glaciology</i> , 2015, 51, 107-118.		2
49	Soils and Landforms at Hope Bay, Antarctic Peninsula: Formation, Classification, Distribution, and Relationships. <i>Soil Science Society of America Journal</i> , 2015, 79, 175-184.	1.2	20
50	Land cover classification using high-resolution aerial photography in Adventdalen, Svalbard. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2015, 97, 473-488.	0.6	26
51	State of the Climate in 2014. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES1-ES32.	1.7	78
52	β-tubulin is differentially expressed in mitotic and non-mitotic cardiomyocytes in the regenerating zebrafish heart. <i>Data in Brief</i> , 2015, 3, 71-77.	0.5	4
53	Results of Geoelectrical Surveys in the Area of Crater 70, Deception Island, Maritime Antarctica. <i>Journal of Glaciology</i> , 2015, 51, 107-118.		0
54	Sedimentological characteristics of ice-wedge polygon terrain in Adventdalen (Svalbard) and its environmental and climatic implications for the late Holocene. <i>Solid Earth</i> , 2014, 5, 901-914.	1.2	22

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55	Variações da frente da geleira Polar Club, Península Potter (ilha Rei George, Antártica Marítima) entre 1986 e 2011. Revista Brasileira De Meteorologia, 2014, 29, 379-388.	0.2	2
56	Granite geomorphology and its geological controls, Serra da Estrela, Portugal. Geomorphology, 2014, 226, 1-14.	1.1	32
57	Local influences of geothermal anomalies on permafrost distribution in an active volcanic island (Deception Island, Antarctica). Geomorphology, 2014, 225, 57-68.	1.1	22
58	A proxy for snow cover and winter ground surface cooling: Mapping Usnea sp. communities using high resolution remote sensing imagery (Maritime Antarctica). Geomorphology, 2014, 225, 69-75.	1.1	32
59	Report from the International Permafrost Association: Fourth European Conference on Permafrost (EUCOP4). Permafrost and Periglacial Processes, 2014, 25, 344-348.	1.5	2
60	Climate warming and permafrost dynamics in the Antarctic Peninsula region. Global and Planetary Change, 2013, 100, 215-223.	1.6	135
61	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
62	Evaluation of Envisat ASAR IMP imagery for snow mapping at varying spatial resolution (Deception) Tj ETQq0 0 0 rgrBT /Overlock 10 Tf 5	0.8	6
63	State of the Climate in 2012. Bulletin of the American Meteorological Society, 2013, 94, S1-S258.	1.7	129
64	Thermal conductivity and thermal diffusivity of cores from a 26 meter deep borehole drilled in Livingston Island, Maritime Antarctic. Geomorphology, 2012, 155-156, 7-11.	1.1	17
65	Susceptibility modelling of hummocky terrain distribution using the information value method (Deception Island, Antarctic Peninsula). Geomorphology, 2012, 155-156, 88-95.	1.1	21
66	Metodologias de análise e de classificação das paisagens. O exemplo do projecto Estrela. Finisterra, 2012, 36, .	0.3	2
67	Daily minimum air temperatures in the Serra da Estrela, Portugal. Finisterra, 2012, 36, .	0.3	2
68	I Workshop Portugal e a Antártida e a preparação das actividades portuguesas no âmbito do Ano Polar Internacional 2007-08. Finisterra, 2012, 40, .	0.3	0
69	The Permafrost Young Researchers Network. Finisterra, 2012, 44, .	0.3	0
70	3.ª Reunião do Quaternário Ibérico (Coimbra, 1993). Finisterra, 2012, 29, .	0.3	0
71	A acção dos pipekrakes na morfogenese actual na Serra do Gerês. Finisterra, 2012, 31, .	0.3	1
72	Climas locais da Arrábida no Inverno. Finisterra, 2012, 28, .	0.3	1

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73	Desportos de Inverno na Serra da Estrela. Finisterra, 2012, 27, .	0.3	1
74	Reunião e excursão da Comissão on Climate Change and Periglacial Environments IGU. Finisterra, 2012, 33, .	0.3	0
75	Integração de dados espaciais em SIG para avaliação da susceptibilidade de ocorrência de deslizamentos. Finisterra, 2012, 38, .	0.3	0
76	The International Polar Year 2007-08 and the development of portuguese research on Antarctic permafrost. Finisterra, 2012, 44, .	0.3	0
77	La investigación en geomorfología periglacial en España y Portugal. Evolución reciente y estudios actuales. Finisterra, 2012, 41, .	0.3	0
78	Evaluation of water resources in a high-mountain basin in Serra da Estrela, Central Portugal, using a semi-distributed hydrological model. Environmental Earth Sciences, 2011, 62, 1219-1234.	1.3	34
79	State of the Climate in 2010. Bulletin of the American Meteorological Society, 2011, 92, S1-S236.	1.7	135
80	Thermal state of permafrost and active layer monitoring in the antarctic: Advances during the international polar year 2007-2009. Permafrost and Periglacial Processes, 2010, 21, 182-197.	1.5	167
81	Drilling and installation of boreholes for permafrost thermal monitoring on Livingston Island in the maritime Antarctic. Permafrost and Periglacial Processes, 2009, 20, 57-64.	1.5	21
82	Evaluation of the ground surface Enthalpy balance from bedrock temperatures (Livingston Island,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	24
83	Combined numerical and geomorphological reconstruction of the Serra da Estrela plateau icefield, Portugal. Geomorphology, 2008, 97, 190-207.	1.1	64
84	Geophysical identification of permafrost in Livingston Island, maritime Antarctica. Journal of Geophysical Research, 2007, 112, .	3.3	33
85	Integration of spatial and temporal data for the definition of different landslide hazard scenarios in the area north of Lisbon (Portugal). Natural Hazards and Earth System Sciences, 2004, 4, 133-146.	1.5	99
86	Oblique rainfall and contemporary geomorphological dynamics(Serra da Estrela, Portugal). Hydrological Processes, 2004, 18, 807-824.	1.1	17
87	Ground temperature regimes and geomorphological implications in a Mediterranean mountain (Serra) Tj ETQq1 1 0,784314 rgBT /Overl	1.1	42
88	ULTRA-HIGH RESOLUTION MAPS AND MODELS AS TOOLS FOR MANAGING AND MONITORING ENVIRONMENTALLY SENSITIVE GEOSITES (ESTRELA UNESCO GLOBAL GEOPARK, PORTUGAL). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B4-2022, 553-558.	0.2	0