MÃ¡rcio R Francelino

List of Publications by Year
in descending order

80	1,034	516710 16	501196 28
papers	citations	h-index	g-index

81	81	81	1230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genesis, properties and classification of Cryosols from Admiralty Bay, maritime Antarctica. Geoderma, 2008, 144, 116-122.	5.1	130
2	The Brazilian Soil Spectral Library (BSSL): A general view, application and challenges. Geoderma, 2019, 354, 113793.	5.1	100
3	Geomorphology and soils distribution under paraglacial conditions in an ice-free area of Admiralty Bay, King George Island, Antarctica. Catena, 2011, 85, 194-204.	5.0	72
4	Distribution and characterization of soils and landform relationships in Byers Peninsula, Livingston Island, Maritime Antarctica. Geomorphology, 2012, 155-156, 45-54.	2.6	61
5	Assessment of biotic condition of Atlantic Rain Forest streams: A fish-based multimetric approach. Ecological Indicators, 2013, 34, 136-148.	6.3	41
6	Digital Soil Mapping Using Machine Learning Algorithms in a Tropical Mountainous Area. Revista Brasileira De Ciencia Do Solo, 2018, 42, .	1.3	28
7	How does the pedoenvironmental gradient shape non-vascular species assemblages and community structures in Maritime Antarctica?. Ecological Indicators, 2020, 108, 105726.	6.3	27
8	Geospatial variability of soil CO2â€“C exchange in the main terrestrial ecosystems of Keller Peninsula, Maritime Antarctica. Science of the Total Environment, 2016, 562, 802-811.	8.0	23
9	Active-layer thermal monitoring on the Fildes Peninsula, King George Island, maritime Antarctica. Solid Earth, 2014, 5, 1361-1374.	2.8	22
10	Active layer and permafrost thermal regime in a patterned ground soil in Maritime Antarctica, and relationship with climate variability models. Science of the Total Environment, 2017, 584-585, 572-585.	8.0	22
11	Climate and soils at the Brazilian semiarid and the forest-Caatinga problem: new insights and implications for conservation. Environmental Research Letters, 2019, 14, 104007.	5.2	22
12	GÃªnese e classificaÃ§Ã£o de solos numa topossequÃªncia no ambiente de mar de morros do mÃ©dio Vale do ParaÃba do Sul, RJ. Revista Brasileira De Ciencia Do Solo, 2010, 34, 1297-1314.	1.3	19
13	Spatial variability of maximum annual daily rain under different return periods at the Rio de Janeiro state, Brazil. Bragantia, 2010, 69, 77-84.	1.3	17
14	Hydrogeochemistry of sulfate-affected landscapes in Keller Peninsula, Maritime Antarctica. Geomorphology, 2012, 155-156, 55-61.	2.6	17
15	Semi-arid soils from a topolithosequence at James Ross Island, Weddell Sea region, Antarctica: Chemistry, mineralogy, genesis and classification. Geomorphology, 2019, 327, 351-364.	2.6	17
16	ContribuiÃ§Ã£o da caatinga na sustentabilidade de projetos de assentamentos no sertÃ£o norte-rio-grandense. Revista Arvore, 2003, 27, 79-86.	0.5	16
17	The Mandibular Gland Secretions of the Leaf-Cutting Ants Atta sexdens sexdens and Atta opaciceps Exhibit Intercaste and Intercolony Variations. Journal of Chemical Ecology, 2006, 32, 643-656.	1.8	16
18	ESTOQUE DE CARBONO EM ÃREAS DE RESTAURAÃ‡ÃƒO FLORESTAL DA MATA ATLÃ‚NTICA. Floresta, 2018, 48, 183.	0.2	16

#	Article	IF	Citations
19	Analysis of terrain attributes in different spatial resolutions for digital soil mapping application in southeastern Brazil. Geoderma Regional, 2020, 21, e00268.	2.1	16
20	Characterization of products of the early stages of pedogenesis in ornithogenic soil from Maritime Antarctica. European Journal of Soil Science, 2016, 67, 70-78.	3.9	15
21	Long term active layer monitoring at a warm-based glacier front from maritime Antarctica. Catena, 2017, 149, 572-581.	5.0	15
22	Multinomial Logistic Regression and Random Forest Classifiers in Digital Mapping of Soil Classes in Western Haiti. Revista Brasileira De Ciencia Do Solo, 2018, 42, .	1.3	15
23	Soil predictors are crucial for modelling vegetation distribution and its responses to climate change. Science of the Total Environment, 2021, 780, 146680.	8.0	15
24	Evaluation of machine learning algorithms to classify and map landforms in Antarctica. Earth Surface Processes and Landforms, 2022, 47, 367-382.	2.5	15
25	Mapeamento da Fragilidade Ambiental na Bacia do Rio Aldeia Velha, RJ. Floresta E Ambiente, 2016, 23, 295-308.	0.4	15
26	Weathering and pedogenesis of sediments and basaltic rocks on Vega Island, Antarctic Peninsula. Geoderma, 2021, 382, 114707.	5.1	14
27	Assessment of gridded precipitation and air temperature products for the State of Acre, southwestern Amazonia, Brazil. Environmental Earth Sciences, 2017, 76, 1.	2.7	13
28	Coupled soil-vegetation changes along a topographic gradient on King George Island, maritime Antarctica. Catena, 2021, 198, 105038.	5.0	12
29	Seabirds enrich Antarctic soil with trace metals in organic fractions. Science of the Total Environment, 2021, 785, 147271.	8.0	12
30	Soils of the South Orkney and South Shetland Islands, Antarctica. World Soils Book Series, 2015, , 227-273.	0.2	12
31	PLANT COMMUNITIES FROM ICE-FREE AREAS OF KELLER PENINSULA, KING GEORGE ISLAND, ANTARCTICA. Oecologia Brasiliensis, 2007, 11, 14-22.	0.5	11
32	Digital soilscape mapping of tropical hillslope areas by neural networks. Scientia Agricola, 2011, 68, 691-696.	1.2	10
33	Estimativa da Ã¡rea ocupada por reflorestamentos no estado do Rio de Janeiro. Cerne, 2012, 18, 27-32.	0.9	10
34	EstratificaÃ§Ã£o e caracterizaÃ§Ã£o ambiental da Ã¡rea de preservaÃ§Ã£o permanente do Rio Guandu/RJ. Revista Arvore, 2011, 35, 221-231.	0.5	9
35	COMPOSIÃ‡ÃƒO FLORÃSTICA E ESTRUTURA DE UM CERRADO SENSU STRICTO NO OESTE DA BAHIA. Cerne, 2015, 21, 545-552.	0.9	9
36	Estimation of the aboveground biomass and carbon stocks in open Brazilian Savannah developed on sandy soils. Carbon Balance and Management, 2019, 14, 5.	3.2	9

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37	Solos da Ã¡rea indÃgena Yanomami no mÃ©dio Rio Catrimani, Roraima. Revista Brasileira De Ciencia Do Solo, 2010, 34, 487-496.	1.3	8
38	Proposta de metodologia para zoneamento ambiental de plantio de eucalipto. Cerne, 2012, 18, 275-283.	0.9	8
39	Water Quality of the Gualaxo do Norte and Carmo Rivers After the FundÃ£o Dam Collapse, Mariana, MG. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	8
40	River Water Contamination Resulting from the Mariana Disaster, Brazil. Floresta E Ambiente, 2020, 27, .	0.4	8
41	RELAÃ‡ÃƒO SOLO/VEGETAÃ‡ÃƒO EM AMBIENTE DE CERRADO SOBRE INFLUÃŠNCIA DO GRUPO URUCUIA. Ciencia Florestal, 2015, 25, 363-373.	0.3	8
42	The current response of soil thermal regime and carbon exchange of a paraglacial coastal land system in maritime Antarctica. Land Degradation and Development, 2020, 31, 655-666.	3.9	7
43	Holocene pedogenesis along a chronotoposequence of soils from the Altiplano to the Cordillera Real, Bolivian Andes. Catena, 2019, 178, 141-153.	5.0	6
44	Obtaining morphometric variables from gullies using two methods of interpolation laser scanner data: the case study of Vassouras, Brazil. Journal of Mountain Science, 2020, 17, 3012-3023.	2.0	6
45	The spatial variability structure of soil attributes using a detailed sampling grid in a typical periglacial area of Maritime Antarctica. Environmental Earth Sciences, 2018, 77, 1.	2.7	5
46	Pedoclimate monitoring in the periglacial high mountain soils of the Atacama Desert, northern Chile. Permafrost and Periglacial Processes, 2019, 30, 310-329.	3.4	5
47	Digital mapping of soil attributes using machine learning. Revista Ciencia Agronomica, 2019, 50, .	0.3	5
48	Influence of different seabird species on trace metals content in Antarctic soils. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20210623.	0.8	5
49	Adsorption and desorption of lead by low-crystallinity colloids of Antarctic soils. Applied Clay Science, 2017, 146, 371-379.	5.2	4
50	A Cobertura Florestal em Paisagens do MÃ©dio Vale do Rio ParaÃba do Sul. Floresta E Ambiente, 2017, 24, .	0.4	4
51	Landscape indicators of the success of protected areas on habitat recovery for the Golden Lion Tamarin (Leontopithecus rosalia). Ecoscience, 2018, 25, 61-69.	1.4	4
52	Digital Soil Mapping of Soil Properties in the â€œMar de Morrosâ€•Environment Using Spectral Data. Revista Brasileira De Ciencia Do Solo, 2018, 42, .	1.3	4
53	Sulfurization, acid-sulfate soils and active layer monitoring at the semiarid Seymour Island, Antarctica. Geoderma Regional, 2020, 22, e00305.	2.1	4
54	DIAGNÃ“STICO AMBIENTAL DA FAIXA CILIAR E QUALIDADE DE ÃGUA DE DUAS MICROBACIAS UTLIZADAS PARA ABASTECIMENTO HUMANO. Irriga, 2015, 20, 128.	0.1	4

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55	Environmental Correlation and Spatial Autocorrelation of Soil Properties in Keller Peninsula, Maritime Antarctica. Revista Brasileira De Ciencia Do Solo, 2018, 41, .	1.3	3
56	Impacto da inclinaÃ§Ã£o mÃ©dia na delimitaÃ§Ã£o de Ã¡rea de preservaÃ§Ã£o permanente. Floresta E Ambiente, 2014, 21, 441-448.	0.4	3
57	ComparaÃ§Ã£o de modelos estatÃsticos para estimativa da biomassa de Ã¡rvores, e estimativa do estoque de carbono acima do solo em Cerrado. Ciencia Florestal, 2019, 29, 255.	0.3	3
58	AvaliaÃ§Ã£o das preferÃªncias ecolÃ³gicas de Clidemia urceolata DC. em ecossistemas perturbado. Revista Arvore, 2011, 35, 1135-1144.	0.5	3
59	TÃ©cnicas de Geoprocessamento e Sensoriamento Remoto Aplicadas na IdentificaÃ§Ã£o de Conflitos do Uso da Terra em SeropÃ©dica-RJ. Floresta E Ambiente, 2013, , .	0.4	3
60	Modeling and mapping of Inselberg habitats for environmental conservation in the Atlantic Forest and Caatinga domains, Brazil. Environmental Advances, 2022, 8, 100209.	4.8	3
61	ElaboraÃ§Ã£o de um sistema de classificaÃ§Ã£o da capacidade de suporte em ambiente semi-Ã¡rido. Revista Brasileira De Engenharia Agricola E Ambiental, 2005, 9, 83-91.	1.1	2
62	Atlantic Forest scenarios under the parameters of forestry laws. Ciencia E Agrotecnologia, 2018, 42, 21-32.	1.5	2
63	Soil sampling strategy in areas of difficult acess using the cLHS method. Geoderma Regional, 2021, 24, e00354.	2.1	2
64	Mapping of Permanent Preservation Areas on Hilltops: Technical Issues. Floresta E Ambiente, 2019, 26, .	0.4	2
65	Pastures Degradation and the Relation with Pedo-Geomorphological Attributes in Watershed. Floresta E Ambiente, 2019, 26, .	0.4	2
66	Soil pedogeochemical attributes prediction by interpolators in ice-free areas of Antarctica. Research, Society and Development, 2022, 11, e51411427542.	0.1	2
67	Anthropic Processes and Land-Use Change During 33 Years in Roraima, Northern Amazonia. Journal of Agricultural Science, 2018, 10, 426.	0.2	1
68	High-resolution topography for Digital Terrain Model (DTM) in Keller Peninsula, Maritime Antarctica. Anais Da Academia Brasileira De Ciencias, 2018, 90, 2001-2010.	0.8	1
69	Physical and chemical attributes of soil on gully erosion in the Atlantic forest biome. Revista Ambiente & Ãgua, 2020, 15, 1.	0.3	1
70	Adsorption of arsenate (HAsO42-) by the clay fraction of soils of the Keller and Barton Peninsulas, King George Island, Maritime Antarctic. Revista Ciencia Agronomica, 2017, 48, .	0.3	1
71	Changes in plant communities and soil attributes in the â€œCousteauâ€™s whale bone skeletonâ€•tourist attraction area in Keller Peninsula after 48 years. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20191467.	0.8	1
72	Soils and landscapes of MarajÃ³ island, Brazilian Amazonia: Holocene evolution, geoarchaeology and climatic vulnerability. Environmental Earth Sciences, 2022, 81, 1.	2.7	1

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73	Soil-landform-vegetation interplays at Stinker Point, Elephant Island, Antarctica. Anais Da Academia Brasileira De Ciencias, 2022, 94, .	0.8	1
74	Terra e Ã¡gua na reforma agrÃ¡ria do semi-Ã¡rido norteriograndense. Revista Brasileira De Engenharia Agricola E Ambiental, 2002, 6, 183-187.	1.1	0
75	Application of Georadar in Areas with Different Vegetation Cover. Floresta E Ambiente, 2017, 24, .	0.4	0
76	Fragmentos Florestais Com Potencial Para Coleta de Sementes â€“ Estudo de Caso do Estado do Rio de Janeiro. Anuario Do Instituto De Geociencias, 0, 44, .	0.2	0
77	PAISAGENS POLARES NÃƒO GLACIAIS (PROGLACIAL, PARAGLACIAL E PERIGLACIAL): REVISÃƒO DE CONCEITOS E CONSTRIBUIÃ‡Ã•ES DA PESQUISA PEDOGEOMORFOLÃ“GICA BRASILEIRA. Revista Brasileira De Geomorfologia, 2019, 20, .	0.2	0
78	PHYSICAL FACTORS OF THE LANDSCAPE WHICH CONDITION SPONTANEOUS FOREST RESTORATION. Floresta, 2019, 49, 821.	0.2	0
79	Apparent thermal diffusivity of soil in ice-free areas of Keller peninsula in maritime Antarctica. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20200458.	0.8	0
80	USO DE SENSORES PROXIMAIS NA AVALIAÃ‡ÃƒO DE SEDIMENTOS DE REPRESA DE CAPTAÃ‡ÃƒO DE Ã€GUA EM VIÃ‡OSA-MG. Geo UERJ, 2021, , e42429.	0.0	0