JosÃ© Lucas Safanelli

List of Publications by Year
in descending order

36 papers	936 citations	516710 16 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	708 citing authors

#	Article	IF	Citations
1	Geospatial Soil Sensing System (GEOS3): A powerful data mining procedure to retrieve soil spectral reflectance from satellite images. Remote Sensing of Environment, 2018, 212, 161-175.	11.0	155
2	The Brazilian Soil Spectral Library (BSSL): A general view, application and challenges. Geoderma, 2019, 354, 113793.	5.1	100
3	Bare Earthâ€™s Surface Spectra as a Proxy for Soil Resource Monitoring. Scientific Reports, 2020, 10, 4461.	3.3	66
4	Multi-Temporal Satellite Images on Topsoil Attribute Quantification and the Relationship with Soil Classes and Geology. Remote Sensing, 2018, 10, 1571.	4.0	63
5	Soil variability and quantification based on Sentinel-2 and Landsat-8 bare soil images: A comparison. Remote Sensing of Environment, 2021, 252, 112117.	11.0	60
6	Multispectral Models from Bare Soil Composites for Mapping Topsoil Properties over Europe. Remote Sensing, 2020, 12, 1369.	4.0	51
7	Improvement of Clay and Sand Quantification Based on a Novel Approach with a Focus on Multispectral Satellite Images. Remote Sensing, 2018, 10, 1555.	4.0	45
8	Sugarcane straw removal effects on Ultisols and Oxisols in south-central Brazil. Geoderma Regional, 2017, 11, 86-95.	2.1	41
9	Terrain Analysis in Google Earth Engine: A Method Adapted for High-Performance Global-Scale Analysis. ISPRS International Journal of Geo-Information, 2020, 9, 400.	2.9	41
10	Is it possible to map subsurface soil attributes by satellite spectral transfer models?. Geoderma, 2019, 343, 269-279.	5.1	39
11	Pedology and soil class mapping from proximal and remote sensed data. Geoderma, 2019, 348, 189-206.	5.1	32
12	Mapping at 30 m Resolution of Soil Attributes at Multiple Depths in Midwest Brazil. Remote Sensing, 2019, 11, 2905.	4.0	27
13	Digital mapping of soil parent material in a heterogeneous tropical area. Geomorphology, 2020, 367, 107305.	2.6	27
14	Soil Color and Mineralogy Mapping Using Proximal and Remote Sensing in Midwest Brazil. Remote Sensing, 2020, 12, 1197.	4.0	25
15	Soil magnetic susceptibility and its relationship with naturally occurring processes and soil attributes in pedosphere, in a tropical environment. Geoderma, 2020, 372, 114364.	5.1	22
16	Land use/land cover changes and bare soil surface temperature monitoring in southeast Brazil. Geoderma Regional, 2020, 22, e00313.	2.1	19
17	Digital mapping of soil drainage using remote sensing, DEM and soil color in a semiarid region of Central Iran. Geoderma Regional, 2020, 22, e00302.	2.1	16
18	Hydrochemistry of shallow groundwater and springs used for potable supply in Southern Brazil. Environmental Earth Sciences, 2018, 77, 1.	2.7	12

#	Article	IF	Citations
19	Leveraging the application of Earth observation data for mapping cropland soils in Brazil. Geoderma, 2021, 396, 115042.	5.1	12
20	Remote Sensing from Ground to Space Platforms Associated with Terrain Attributes as a Hybrid Strategy on the Development of a Pedological Map. Remote Sensing, 2016, 8, 826.	4.0	11
21	Applied gamma-ray spectrometry for evaluating tropical soil processes and attributes. Geoderma, 2021, 381, 114736.	5.1	11
22	Complex hydrological knowledge to support digital soil mapping. Geoderma, 2022, 409, 115638.	5.1	11
23	Eucalyptus rust climatic risk as affected by topography and ENSO phenomenon. Australasian Plant Pathology, 2019, 48, 131-141.	1.0	8
24	Soil parent material prediction through satellite multispectral analysis on a regional scale at the Western Paulista Plateau, Brazil. Geoderma Regional, 2021, 26, e00412.	2.1	7
25	Vegetation indexes and delineation of management zones for soybean1. Pesquisa Agropecuaria Tropical, 2017, 47, 168-177.	1.0	6
26	Ratio of Clay Spectroscopic Indices and its approach on soil morphometry. Geoderma, 2020, 357, 113963.	5.1	5
27	Free iron oxide content in tropical soils predicted by integrative digital mapping. Soil and Tillage Research, 2022, 219, 105346.	5.6	5
28	Obtaining high-resolution synthetic soil imagery for topsoil mapping. Remote Sensing Letters, 2022, 13, 107-114.	1.4	4
29	Fine-scale soil mapping with Earth Observation data: a multiple geographic level comparison. Revista Brasileira De Ciencia Do Solo, 2021, 45, .	1.3	4
30	Mapeamento multitemporal da cobertura de terra, por meio de Ã¡rvore de decisÃ£o, na bacia hidrogrÃ¡fica do rio Marombas-SC. Engenharia Agricola, 2015, 35, 1198-1209.	0.7	3
31	Soil class map of the Rio Jardim watershed in Central Brazil at 30 meter spatial resolution based on proximal and remote sensed data and MESMA method. Data in Brief, 2019, 25, 104070.	1.0	3
32	Soil apparent electrical conductivity survey in different pedoenvironments by geophysical sensor EM38: a potential tool in pedology and pedometry studies. Geocarto International, 2022, 37, 13057-13078.	3.5	3
33	AvanÃ§os na observaÃ§Ã£o e no conhecimento do solo via o sensoriamento prÃ³ximo. AgropecuÃ¡ria Catarinense, 2021, 34, 72-78.	0.1	2
34	Digital Soil Morphometrics via a Low-Cost Radiometer for Estimating Soil Organic Carbon and Texture. Springer Environmental Science and Engineering, 2016, , 249-257.	0.1	0
35	Anthropogenic effects on the pollutant load of forested watersheds in Southern Brazil. Fundamental and Applied Limnology, 2021, 195, 9-19.	0.7	0
36	Site-Specific Management Zones Delineation Based on Apparent Soil Electrical Conductivity in Two Contrasting Fields of Southern Brazil. Agronomy, 2022, 12, 1390.	3.0	0