Michele Duarte de Menezes

List of Publications by Year
in descending order

21 papers	425 citations	687363 13 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	379 citing authors

#	Article	IF	Citations
1	Multiple linear regression and random forest to predict and map soil properties using data from portable X-ray fluorescence spectrometer (pXRF). Ciencia E Agrotecnologia, 2017, 41, 648-664.	1.5	65
2	Proximal Sensing and Digital Terrain Models Applied to Digital Soil Mapping and Modeling of Brazilian Latosols (Oxisols). Remote Sensing, 2016, 8, 614.	4.0	52
3	Rapid soil fertility prediction using X-ray fluorescence data and machine learning algorithms. Catena, 2021, 197, 105003.	5.0	42
4	Retrieving pedologist's mental model from existing soil map and comparing data mining tools for refining a larger area map under similar environmental conditions in Southeastern Brazil. Geoderma, 2016, 267, 65-77.	5.1	36
5	Solum depth spatial prediction comparing conventional with knowledge-based digital soil mapping approaches. Scientia Agricola, 2014, 71, 316-323.	1.2	32
6	Digital soil mapping approach based on fuzzy logic and field expert knowledge. Ciencia E Agrotecnologia, 2013, 37, 287-298.	1.5	26
7	Mapping soils in two watersheds using legacy data and extrapolation for similar surrounding areas. Ciencia E Agrotecnologia, 2016, 40, 534-546.	1.5	23
8	Modeling arsenic content in Brazilian soils: What is relevant?. Science of the Total Environment, 2020, 712, 136511.	8.0	22
9	A Technique for Low Cost Soil Mapping and Validation Using Expert Knowledge on a Watershed in Minas Gerais, Brazil. Soil Science Society of America Journal, 2014, 78, 1310-1319.	2.2	20
10	Soil type spatial prediction from Random Forest: different training datasets, transferability, accuracy and uncertainty assessment. Scientia Agricola, 2019, 76, 243-254.	1.2	20
11	Levantamento pedolÃ³gico e sistema de informaÃ§Ãµes geogrÃ¡ficas naavaliaÃ§Ã£o do uso das terras em sub-bacia hidrogrÃ¡fica de Minas Gerais. Ciencia E Agrotecnologia, 2009, 33, 1544-1553.	1.5	19
12	Evaluation of Conditioned Latin Hypercube Sampling as a Support for Soil Mapping and Spatial Variability of Soil Properties. Soil Science Society of America Journal, 2015, 79, 603-611.	2.2	18
13	Rare earth elements (REEs): geochemical patterns and contamination aspects in Brazilian benchmark soils. Environmental Pollution, 2021, 289, 117972.	7.5	18
14	Knowledge-based digital soil mapping for predicting soil properties in two representative watersheds. Scientia Agricola, 2018, 75, 144-153.	1.2	13
15	Transferability, accuracy, and uncertainty assessment of different knowledge-based approaches for soil types mapping. Catena, 2019, 182, 104134.	5.0	8
16	Land use capability classification adaptation in low and intermediate technology farming systems: A soil erosion indicator. Soil Use and Management, 2021, 37, 164-180.	4.9	5
17	Mapping land use capability in tropical conditions adapting criteria to different levels of agricultural management. Ciencia E Agrotecnologia, 2018, 42, 631-642.	1.5	3
18	X-ray fluorescence spectrometry applied to digital mapping of soil fertility attributes in tropical region with elevated spatial variability. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20200646.	0.8	2

#	Article	IF	Citations
19	Pedology-based management class establishment: a study case in Brazilian coffee crops. Precision Agriculture, 0, , 1.	6.0	1
20	Macro scale analysis of Syrah vineyards under winter growing cycles: Agronomical and ecophysiological responses. Scientia Agricola, 2021, 78, .	1.2	0
21	GIS and fuzzy logics in establishing new potential areas for winter wines (Syrah cv.) cultivation in tropical conditions of southeastern Brazil. Applied Geography, 2022, 141, 102680.	3.7	0