José Padarian

List of Publications by Year
in descending order

13 papers	1,258 citations	840776 11 h-index	1125743 13 g-index
33 all docs	33 docs citations	33 times ranked	1596 citing authors

#	Article	IF	Citations
1	Pedotransfer Functions in Earth System Science: Challenges and Perspectives. Reviews of Geophysics, 2017, 55, 1199-1256.	23.0	316
2	Convolutional neural network for simultaneous prediction of several soil properties using visible/near-infrared, mid-infrared, and their combined spectra. Geoderma, 2019, 352, 251-267.	5.1	262
3	Machine learning and soil sciences: a review aided by machine learning tools. Soil, 2020, 6, 35-52.	4.9	195
4	Using deep learning for digital soil mapping. Soil, 2019, 5, 79-89.	4.9	144
5	Soil legacy data rescue via GlobalSoilMap and other international and national initiatives. GeoResJ, 2017, 14, 1-19.	1.4	102
6	Multi-source data integration for soil mapping using deep learning. Soil, 2019, 5, 107-119.	4.9	66
7	Game theory interpretation of digital soil mapping convolutional neural networks. Soil, 2020, 6, 389-397.	4.9	64
8	Digital soil mapping and assessment for Australia and beyond: A propitious future. Geoderma Regional, 2021, 24, e00359.	2.1	29
9	Operationalising digital soil mapping – Lessons from Australia. Geoderma Regional, 2020, 23, e00335.	2.1	21
10	3D lithological mapping of borehole descriptions using word embeddings. Computers and Geosciences, 2020, 141, 104516.	4.2	17
11	Towards near real-time national-scale soil water content monitoring using data fusion as a downscaling alternative. Journal of Hydrology, 2022, 609, 127705.	5.4	14
12	Word embeddings for application in geosciences: development, evaluation, and examples of soil-related concepts. Soil, 2019, 5, 177-187.	4.9	12
13	A new model for intra- and inter-institutional soil data sharing. Soil, 2020, 6, 89-94.	4.9	6