

Fernando San JosÃ© MartÃ­nez

List of Publications by Year in descending order

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32
papers

671
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623734

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times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifractal analysis of discretized X-ray CT images for the characterization of soil macropore structures. <i>Geoderma</i> , 2010, 156, 32-42.	5.1	135
2	R�nyi dimensions of soil pore size distribution. <i>Geoderma</i> , 2003, 112, 205-216.	5.1	85
3	Multifractal scaling of soil spatial variability. <i>Ecological Modelling</i> , 2005, 182, 291-303.	2.5	84
4	Pedodiversity-area relationships for islands. <i>Ecological Modelling</i> , 2005, 182, 257-269.	2.5	56
5	SINGULARITY FEATURES OF PORE-SIZE SOIL DISTRIBUTION: SINGULARITY STRENGTH ANALYSIS AND ENTROPY SPECTRUM. <i>Fractals</i> , 2001, 09, 305-316.	3.7	43
6	Selfsimilarity of pedotaxa distributions at the planetary scale: A multifractal approach. <i>Geoderma</i> , 2006, 134, 306-317.	5.1	25
7	The spatial distribution of soils across Europe: A fractal approach. <i>Ecological Complexity</i> , 2009, 6, 294-301.	2.9	25
8	Modelling solute transport in soil columns using advective� dispersive equations with fractional spatial derivatives. <i>Advances in Engineering Software</i> , 2010, 41, 4-8.	3.8	20
9	Representative elementary area for multifractal analysis of soil porosity using entropy dimension. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 503-511.	1.3	19
10	Soil aggregate geometry: Measurements and morphology. <i>Geoderma</i> , 2015, 237-238, 36-48.	5.1	19
11	Multifractal modeling of soil microtopography with multiple transects data. <i>Ecological Complexity</i> , 2009, 6, 240-245.	2.9	18
12	Lacunarity of soil macropore space arrangement of CT images: Effect of soil management and depth. <i>Geoderma</i> , 2017, 287, 80-89.	5.1	18
13	R�nyi dimensions and pedodiversity indices of the earth pedotaxa distribution. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 547-555.	1.3	16
14	AN INTRODUCTION TO FLOW AND TRANSPORT IN FRACTAL MODELS OF POROUS MEDIA: PART I. <i>Fractals</i> , 2014, 22, 1402001.	3.7	15
15	Volume, Surface, Connectivity and Size Distribution of Soil Pore Space in CT Images: Comparison of Samples at Different Depths from Nearby Natural and Tillage Areas. <i>Pure and Applied Geophysics</i> , 2015, 172, 167-179.	1.9	14
16	AN INTRODUCTION TO FLOW AND TRANSPORT IN FRACTAL MODELS OF POROUS MEDIA: PART II. <i>Fractals</i> , 2015, 23, 1502001.	3.7	9
17	Morphological Functions to Quantify Three�Dimensional Tomograms of Macropore Structure in a Vineyard Soil with Two Different Management Regimes. <i>Vadose Zone Journal</i> , 2013, 12, 1-11.	2.2	8
18	On the exponential of the 2-forms in relativity. <i>General Relativity and Gravitation</i> , 1990, 22, 811-826.	2.0	7

#	ARTICLE	IF	CITATIONS
19	Minkowski Functionals of Connected Soil Porosity as Indicators of Soil Tillage and Depth. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	7
20	FRACTAL PARAMETERS OF PORE SPACE FROM CT IMAGES OF SOILS UNDER CONTRASTING MANAGEMENT PRACTICES. <i>Fractals</i> , 2014, 22, 1440011.	3.7	5
21	A protocol for fractal studies on porosity of porous media: High quality soil porosity images. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 888-896.	3.2	5
22	Lacunarity of the Spatial Distributions of Soil Types in Europe. <i>Vadose Zone Journal</i> , 2013, 12, 1-9.	2.2	5
23	Composition of Lorentz Transformations in Terms of Their Generators. <i>General Relativity and Gravitation</i> , 2002, 34, 1345-1356.	2.0	4
24	Morphological Functions with Parallel Sets for the Pore Space of X-ray CT Images of Soil Columns. <i>Pure and Applied Geophysics</i> , 2016, 173, 995-1009.	1.9	4
25	Long-range correlations of soil water content time series under tillage and different cover crops in a semi-arid vineyard. <i>European Journal of Soil Science</i> , 2021, 72, 623-634.	3.9	4
26	On the commutator of two 2-forms in Minkowski space-time. <i>Journal of Mathematical Physics</i> , 1995, 36, 4350-4362.	1.1	3
27	Scaling in Soil and Other Complex Porous Media. <i>Vadose Zone Journal</i> , 2013, 12, 1-4.	2.2	3
28	Advective-Dispersive Equation with Spatial Fractional Derivatives Evaluated with Tracer Transport Data. <i>Vadose Zone Journal</i> , 2009, 8, 242-249.	2.2	3
29	Attitudes of academics and students towards English-medium instruction in Engineering Studies. <i>European Journal of Engineering Education</i> , 2021, 46, 1043-1057.	2.3	3
30	On the Lie algebras generated by two 2-forms in Minkowski space-time. <i>Journal of Mathematical Physics</i> , 1996, 37, 5792-5804.	1.1	1
31	Editorial for the special issue on "Advances in soil scaling: Theories, techniques and applications". <i>European Journal of Soil Science</i> , 2021, 72, 491-494.	3.9	0
32	Parallel Sets and Morphological Measurements of CT Images of Soil Pore Structure in a Vineyard. <i>Lecture Notes in Earth System Sciences</i> , 2014, , 205-210.	0.6	0