StÃ©phane Sammartino

List of Publications by Year
in descending order

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23 papers	801 citations	623734 14 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	793 citing authors

#	Article	IF	Citations
1	Making Waves: Modeling bioturbation in soils â€“ are we burrowing in the right direction?. Water Research, 2022, 216, 118342.	11.3	5
2	Decreased burrowing activity of endogeic earthworms and effects on water infiltration in response to an increase in soil bulk density. Pedobiologia, 2021, 85-86, 150728.	1.2	10
3	Metal soil pollution differentially affects both the behaviour and exposure of A. caliginosa and L. terrestris: a mesocosm study. Biology and Fertility of Soils, 2018, 54, 319-328.	4.3	11
4	Identifying the Functional Macropore Network Related to Preferential Flow in Structured Soils. Vadose Zone Journal, 2015, 14, vzj2015.05.0070.	2.2	49
5	Morphological and functional characterisation of the burrow systems of six earthworm species (Lumbricidae). Biology and Fertility of Soils, 2015, 51, 869-877.	4.3	74
6	Burrow systems of endogeic earthworms: Effects of earthworm abundance and consequences for soil water infiltration. Pedobiologia, 2014, 57, 303-309.	1.2	70
7	Effects of mineral distribution at mesoscopic scale on solute diffusion in a clayâ€rich rock: Example of the Callovoâ€Oxfordian mudstone (Bure, France). Water Resources Research, 2012, 48, .	4.2	137
8	A Novel Method to Visualize and Characterize Preferential Flow in Undisturbed Soil Cores by Using Multislice Helical CT. Vadose Zone Journal, 2012, 11, .	2.2	47
9	Using X-ray tomography to quantify earthworm bioturbation non-destructively in repacked soil cores. Geoderma, 2011, 162, 124-131.	5.1	84
10	Magnetic Resonance Imaging and Relaxometry as Tools to Investigate Water Distribution in Soils. AIP Conference Proceedings, 2011, , .	0.4	1
11	A new method for quantitative petrography based on image processing of chemical element maps: Part I. Mineral mapping applied to compacted bentonites. American Mineralogist, 2010, 95, 1379-1388.	1.9	49
12	A new method for quantitative petrography based on image processing of chemical element maps: Part II. Semi-quantitative porosity maps superimposed on mineral maps. American Mineralogist, 2010, 95, 1389-1398.	1.9	37
13	Distribution spatiale de la porositÃ© des matÃ©riaux cimentaires. Revue EuropÃ©enne De GÃ©nie Civil, 2007, 11, 739-749.	0.0	2
14	Distribution spatiale de la porositÃ© des matÃ©riaux cimentaires. Une approche mÃ©thodologique pour leur caractÃ©risation. Revue EuropÃ©enne De GÃ©nie Civil, 2007, 11, 739-749.	0.0	1
15	Porosity distribution in a clay gouge by image processing of 14C-PolyMethylMethAcrylate (14C-PMMA) autoradiographs:. Applied Clay Science, 2004, 27, 107-118.	5.2	20
16	Cam-clay and hydraulic conductivity diagram relations in consolidated and sheared clay-matrices. Clay Minerals, 2004, 39, 267-279.	0.6	20
17	Spatial distribution of porosity and minerals in clay rocks from the Callovo-Oxfordian formation (Meuse/Haute-Marne, Eastern France)â€"implications on ionic species diffusion and rock sorption capability. Applied Clay Science, 2003, 23, 157-166.	5.2	63
18	An Imaging Method for the Porosity of Sedimentary Rocks: Adjustment of the PMMA Method--Example of a Characterization of a Calcareous Shale. Journal of Sedimentary Research, 2002, 72, 937-943.	1.6	39

#	Article	IF	Citations
19	A new model to calculate water permeability of cement-based materials from MIP results. Advances in Cement Research, 2002, 14, 43-49.	1.6	1
20	An image analysis contribution to the study of transport properties of low-permeability crystalline rocks. Computers and Geosciences, 2001, 27, 1051-1059.	4.2	8
21	Primary mineral connectivity of polyphasic igneous rocks by high-quality digitisation and 2D image analysis. Computers and Geosciences, 1999, 25, 599-608.	4.2	17
22	Evolution of fluid pathways of charroux-civary tonalite (part I): Alteration effectsâ€"an analytical approach. Physics and Chemistry of the Earth, 1999, 24, 601-606.	0.6	6
23	Evolution of fluid pathways of Charroux-Civray tonalite (part II): Numerical study of microcrack networks. Physics and Chemistry of the Earth, 1999, 24, 621-625.	0.6	11