

Jonathan A Lafond

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

430
citations

759233

12
h-index

752698

20
g-index

25
all docs

25
docs citations

25
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	A Computational Method for Modeling Spatiotemporal Variability of Hydrodynamic Properties in Sandy Soil Under Drainage and Recharge. <i>Frontiers in Soil Science</i> , 2022, 2, .	2.2	0
2	Temporal and Local Heterogeneities of Water Table Depth under Different Agricultural Water Management Conditions. <i>Water (Switzerland)</i> , 2021, 13, 2148.	2.7	2
3	Automated Mapping of Water Table for Cranberry Subirrigation Management: Comparison of Three Spatial Interpolation Methods. <i>Water (Switzerland)</i> , 2020, 12, 3322.	2.7	11
4	Machine Learning vs. Physics-Based Modeling for Real-Time Irrigation Management. <i>Frontiers in Water</i> , 2020, 2, .	2.3	24
5	A Graphical-User-Interface application for multifractal analysis of soil and plant structures. <i>Computers and Electronics in Agriculture</i> , 2020, 174, 105454.	7.7	8
6	Growth and water-use characteristics of Romaine lettuce cultivated in Histosol as affected by irrigation management, compaction, and seeding type. <i>Canadian Journal of Soil Science</i> , 2020, 100, 278-288.	1.2	2
7	Editorial: Branching and Rooting Out with a CT Scanner: The Why, the How, and the Outcomes, Present and Possibly Future. <i>Frontiers in Plant Science</i> , 2016, 7, 41.	3.6	2
8	Relationships between soil hydraulic properties, drainage efficiency and cranberry yields. <i>Canadian Journal of Soil Science</i> , 2016, , .	1.2	3
9	Root Water Uptake by Romaine Lettuce in a Muck Soil: Linking Tip Burn to Hydric Deficit. <i>Vadose Zone Journal</i> , 2015, 14, 1-13.	2.2	12
10	Spatial Distribution Patterns of Soil Water Availability as a Tool for Precision Irrigation Management in Histosols: Characterization and Spatial Interpolation. <i>Vadose Zone Journal</i> , 2015, 14, 1-13.	2.2	8
11	Long-Term Effects of Peatland Cultivation on Soil Physical and Hydraulic Properties: Case Study in Canada. <i>Vadose Zone Journal</i> , 2015, 14, 1-12.	2.2	23
12	Characterization of Water Retention Curves for a Series of Cultivated Histosols. <i>Vadose Zone Journal</i> , 2015, 14, 1-8.	2.2	29
13	Concepts and Analyses in the CT Scanning of Root Systems and Leaf Canopies: A Timely Summary. <i>Frontiers in Plant Science</i> , 2015, 6, 1111.	3.6	14
14	Spatial Variability of Potato Tuber Yield and Plant Nitrogen Uptake Related to Soil Properties. <i>Agronomy Journal</i> , 2014, 106, 851-859.	1.8	16
15	Evaluating fluxes in Histosols for water management in lettuce: A comparison of mass balance, evapotranspiration and lysimeter methods. <i>Agricultural Water Management</i> , 2014, 135, 73-83.	5.6	17
16	Mapping soil hydraulic conductivity and matric potential for water management of cranberry: Characterisation and spatial interpolation methods. <i>Biosystems Engineering</i> , 2014, 128, 29-40.	4.3	38
17	Optimal Irrigation for Onion and Celery Production and Spinach Seed Germination in Histosols. <i>Agronomy Journal</i> , 2014, 106, 981-994.	1.8	19
18	Multiscale spatial variability of CO ₂ emissions and correlations with physico-chemical soil properties. <i>Geoderma</i> , 2012, 170, 251-260.	5.1	53

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19	Multifractal properties of porosity as calculated from computed tomography (CT) images of a sandy soil, in relation to soil gas diffusion and linked soil physical properties. <i>European Journal of Soil Science</i> , 2012, 63, 861-873.	3.9	22
20	Irrigation management of Romaine lettuce in Histosols at two spatial scales: water, energy, leaching and yield impacts. <i>WIT Transactions on Ecology and the Environment</i> , 2012, , .	0.0	11
21	Evaluation of methane oxidation in a landfill cover material using a simple indicator approach. <i>International Journal of Environmental Engineering</i> , 2011, 3, 298.	0.1	1
22	Spatiotemporal Analysis of the Relative Soil Gas Diffusion Coefficient in Two Sandy Soils: Variability Decomposition and Correlations between Sampling Dates at Two Spatial Scales. <i>Soil Science Society of America Journal</i> , 2011, 75, 1613-1625.	2.2	5
23	Hydraulic Aspects of the Design of a Passive Methane Oxidation Biocover. , 2010, , .		0
24	Measurement of gas diffusion through soils: comparison of laboratory methods. <i>Journal of Environmental Monitoring</i> , 2008, 10, 1326.	2.1	77
25	Carbon dioxide emissions by urban turfgrass areas. <i>Canadian Journal of Soil Science</i> , 2008, 88, 529-532.	1.2	33