

Olivier Husson

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,150
citations

623734

14
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1794
citing authors

#	ARTICLE	IF	CITATIONS
1	Redox potential (Eh) and pH as drivers of soil/plant/microorganism systems: a transdisciplinary overview pointing to integrative opportunities for agronomy. <i>Plant and Soil</i> , 2013, 362, 389-417.	3.7	461
2	The Electrochemical Properties of Biochars and How They Affect Soil Redox Properties and Processes. <i>Agronomy</i> , 2015, 5, 322-340.	3.0	122
3	Biochar-based fertilizer: Supercharging root membrane potential and biomass yield of rice. <i>Science of the Total Environment</i> , 2020, 713, 136431.	8.0	78
4	Lowering N ₂ O emissions from soils using eucalypt biochar: the importance of redox reactions. <i>Scientific Reports</i> , 2015, 5, 16773.	3.3	61
5	Practical improvements in soil redox potential (Eh) measurement for characterisation of soil properties. Application for comparison of conventional and conservation agriculture cropping systems. <i>Analytica Chimica Acta</i> , 2016, 906, 98-109.	5.4	58
6	Nutrient effect of various composting methods with and without biochar on soil fertility and maize growth. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 250-265.	2.6	52
7	Effects of living mulches or residue amendments on soil microbial properties in direct seeded cropping systems of Madagascar. <i>Applied Soil Ecology</i> , 2008, 39, 236-243.	4.3	45
8	Conservation Agriculture systems alter the electrical characteristics (Eh, pH and EC) of four soil types in France. <i>Soil and Tillage Research</i> , 2018, 176, 57-68.	5.6	44
9	Designing biochar properties through the blending of biomass feedstock with metals: Impact on oxyanions adsorption behavior. <i>Chemosphere</i> , 2019, 214, 743-753.	8.2	44
10	Spatial variability of acid sulphate soils in the Plain of Reeds, Mekong delta, Vietnam. <i>Geoderma</i> , 2000, 97, 1-19.	5.1	41
11	Soil and plant health in relation to dynamic sustainment of Eh and pH homeostasis: A review. <i>Plant and Soil</i> , 2021, 466, 391-447.	3.7	22
12	Co-designing innovative cropping systems that match biophysical and socio-economic diversity: The DATE approach to Conservation Agriculture in Madagascar, Lao PDR and Cambodia. <i>Renewable Agriculture and Food Systems</i> , 2016, 31, 452-470.	1.8	18
13	Spatial and Temporal Variability of Soil Redox Potential, pH and Electrical Conductivity across a Toposequence in the Savanna of West Africa. <i>Agronomy</i> , 2020, 10, 1787.	3.0	16
14	Soil and water indicators for optimal practices when reclaiming acid sulphate soils in the Plain of Reeds, Viet Nam. <i>Agricultural Water Management</i> , 2000, 45, 127-143.	5.6	15
15	Direct-Seeded Tropical Soil Systems with Permanent Soil Cover. <i>Books in Soils, Plants, and the Environment</i> , 2006, , 323-342.	0.1	15
16	PRACT (Prototyping Rotation and Association with Cover crop and no Till) – a tool for designing conservation agriculture systems. <i>European Journal of Agronomy</i> , 2015, 69, 21-31.	4.1	12
17	Leaf Eh and pH: A Novel Indicator of Plant Stress. Spatial, Temporal and Genotypic Variability in Rice (<i>Oryza sativa</i> L.). <i>Agronomy</i> , 2018, 8, 209.	3.0	10
18	Water management for rice cultivation on acid sulphate soils in the Plain of Reeds, Vietnam. <i>Agricultural Water Management</i> , 2000, 46, 91-109.	5.6	9

#	ARTICLE	IF	CITATIONS
19	A method to measure redox potential (Eh) and pH in agar media and plants shows that fungal growth is affected by and affects pH and Eh. <i>Fungal Biology</i> , 2019, 123, 117-124.	2.5	9
20	Designing low-input upland rice-based cropping systems with conservation agriculture for climate change adaptation: A six-year experiment in Mâ€™bÃ©, BouakÃ©, CÃ©te dÃ©Ivoire. <i>Field Crops Research</i> , 2022, 217, 108418.	2.7	7
21	Understanding the Functioning and Management of Soil Systems. <i>Books in Soils, Plants, and the Environment</i> , 2006, , 3-13.	0.1	4
22	Effects of soil redox potential (Eh) and pH on growth of sunflower and wheat. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 473-487.	2.6	4
23	Restoration of Acid Soil Systems through Agroecological Management. <i>Books in Soils, Plants, and the Environment</i> , 2006, , 343-356.	0.1	3
24	Issues for More Sustainable Soil System Management. <i>Books in Soils, Plants, and the Environment</i> , 2006, , 715-727.	0.1	0