Claude Hammecker

List of Publications by Year
in descending order

53	926	516215 16	500791 28
papers	citations	h-index	g-index

58	58	58	1072
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental study of limestone and sandstone sulphation in polluted realistic conditions: The Lausanne Atmospheric Simulation Chamber (LASC). Atmospheric Environment, 1996, 30, 3197-3207.	1.9	65
2	Processes driving soil solution chemistry in a flooded rice-cropped vertisol: analysis of long-time monitoring data. Geoderma, 2002, 110, 87-107.	2.3	65
3	Effect of biochar on physicochemical properties of a sandy soil and maize growth in a greenhouse experiment. Geoderma, 2018, 319, 14-23.	2.3	65
4	A geometrical model for numerical simulation of capillary imbibition in sedimentary rocks. Transport in Porous Media, 1993, 12, 125-141.	1.2	59
5	Soil organic carbon, microbial biomass and enzyme activities responses to natural regeneration in a tropical dry region in Northeast Brazil. Catena, 2017, 151, 137-146.	2.2	54
6	Modelling the capillary imbibition kinetics in sedimentary rocks: Role of petrographical features. Transport in Porous Media, 1994, 17, 285-303.	1.2	49
7	Experimental and numerical study of water flow in soil under irrigation in northern Senegal: evidence of air entrapment. European Journal of Soil Science, 2003, 54, 491-503.	1.8	47
8	Use of field and laboratory methods for estimating unsaturated hydraulic properties under different land uses. Hydrology and Earth System Sciences, 2015, 19, 1193-1207.	1.9	31
9	Yield of rice under water and soil salinity risks in farmersâ€™ fields in northeast Thailand. Field Crops Research, 2010, 118, 289-296.	2.3	29
10	Salt distribution in the Senegal middle valley. Agricultural Water Management, 2001, 46, 201-213.	2.4	27
11	Biochar as a strategy to manage plant diseases caused by pathogens inhabiting the soil: a critical review. Phytoparasitica, 2021, 49, 713-726.	0.6	24
12	Seasonal effect of land use type on soil absolute and specific enzyme activities in a Brazilian semi-arid region. Catena, 2019, 172, 397-407.	2.2	23
13	Unexpected absence of control of rubber tree growth by soil water shortage in dry subhumid climate. Agronomy for Sustainable Development, 2013, 33, 531-538.	2.2	22
14	The importance of the petrophysical properties and external factors in the stone decay on monuments. Pure and Applied Geophysics, 1995, 145, 337-361.	0.8	20
15	The effect of irrigated rice cropping on the alkalinity of two alkaline rice soils in the Sahel. Geoderma, 2004, 119, 233-247.	2.3	19
16	Land use changes the soil carbon stocks, microbial biomass and fatty acid methyl ester (FAME) in Brazilian semiarid area. Archives of Agronomy and Soil Science, 2019, 65, 755-769.	1.3	19
17	Dinitrogen fixation by the legume cover crop Pueraria phaseoloides and transfer of fixed N to Hevea brasiliensisâ€”Impact on tree growth and vulnerability to drought. Agriculture, Ecosystems and Environment, 2016, 217, 79-88.	2.5	18
18	Quantification and modelling of water flow in rain-fed paddy fields in NE Thailand: Evidence of soil salinization under submerged conditions by artesian groundwater. Journal of Hydrology, 2012, 456-457, 68-78.	2.3	17

#	Article	IF	Citations
19	Soil organic carbon fractions and humic substances are affected by land uses of Caatinga forest in Brazil. Arid Land Research and Management, 2019, 33, 255-273.	0.6	17
20	Human disturbance affects enzyme activity, microbial biomass and organic carbon in tropical dry sub-humid pasture and forest soils. Archives of Agronomy and Soil Science, 2020, 66, 458-472.	1.3	17
21	Title is missing!. Transport in Porous Media, 2004, 54, 193-219.	1.2	16
22	Environmental control on water vapour and energy exchanges over grasslands in semiarid region of Brazil. Revista Brasileira De Engenharia Agricola E Ambiental, 2015, 19, 3-8.	0.4	16
23	Calibration of Hargreaves-Samani Equation for Estimating Reference Evapotranspiration in Sub-Humid Region of Brazil. Journal of Water Resource and Protection, 2013, 05, 1-5.	0.3	16
24	Subirrigation of land bordering small reservoirs in the semi-arid region in the Northeast of Brazil: monitoring and water balance. Agricultural Water Management, 2005, 73, 131-147.	2.4	15
25	DEPURATION OF HIGHWAY RUNOFF WATER INTO GRASSâ€COVERED EMBANKMENTS. Environmental Technology (United Kingdom), 2008, 29, 709-720.	1.2	15
26	Effects of Poultry Manure and Biochar on Acrisol Soil Properties and Yield of Common Bean. A Short-Term Field Experiment. Agriculture (Switzerland), 2021, 11, 290.	1.4	14
27	A simple framework to analyze water constraints on seasonal transpiration in rubber tree (Hevea) Tj ETQq1 1 0.784314 rgBT /Overloc	1.7	13
28	TRANSPIRATION, GROWTH AND LATEX PRODUCTION OF A HEVEA BRASILIENSIS STAND FACING DROUGHT IN NORTHEAST THAILAND: THE USE OF THE WaNuLCAS MODEL AS AN EXPLORATORY TOOL. Experimental Agriculture, 2012, 48, 49-63.	0.4	11
29	Capillary rise quantifications based on in-situ artificial deuterium peak displacement and laboratory soil characterization. Hydrology and Earth System Sciences, 2011, 15, 1629-1639.	1.9	11
30	Simulating the evolution of soil solutions in irrigated rice soils in the Sahel. Geoderma, 2009, 150, 129-140.	2.3	10
31	Biochar and Trichoderma aureoviride applied to the sandy soil: effect on soil quality and watermelon growth. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2020, 48, 735-751.	0.5	10
32	Intercrops improve the drought resistance of young rubber trees. Agronomy for Sustainable Development, 2018, 38, 1.	2.2	9
33	A scaling procedure for straightforward computation of sorptivity. Hydrology and Earth System Sciences, 2021, 25, 5083-5104.	1.9	9
34	Soil cover and landscape evolution in the Senegal floodplain: a review and synthesis of processes and interactions during the late Holocene. European Journal of Soil Science, 2011, 62, 902-912.	1.8	8
35	Impacts of land-use changes on soil respiration in the semi-arid region of Brazil. Revista Brasileira De Ciencia Do Solo, 2020, 44, .	0.5	7
36	A simplified water transfer model of the reservoirâ€“ebb tide system, including preferential flow, in the semi-arid region in Northeastern Brazil. Journal of Hydrology, 2004, 287, 147-160.	2.3	6

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37	Effect of biochar and inoculation with Trichoderma aureoviride on melon growth and sandy Entisol quality. Australian Journal of Crop Science, 2020, , 971-977.	0.1	6
38	Coffee waste as an eco-friendly and low-cost alternative for biochar production impacts on sandy soil chemical attributes and microbial gene abundance. Bragantia, 0, 80, .	1.3	6
39	Impact of coffee biochar on soil carbon, microbial biomass and enzymatic activities in Semiarid Entisol cultivated with maize. Revista Brasileira De Geografia Fisica, 2020, 13, 903-914.	0.0	5
40	Slope position and biochar influence soil properties and seed displacement in a tropical agroecosystem. European Journal of Soil Science, 2022, 73, .	1.8	5
41	Biochar and Trichoderma aureoviride URM 5158 as alternatives for the management of cassava root rot. Applied Soil Ecology, 2022, 172, 104353.	2.1	4
42	Biochar and Trichoderma spp. in management of plant diseases caused by soilborne fungal pathogens: a review and perspective. Research, Society and Development, 2021, 10, e296101522465.	0.0	4
43	Impact of coffee biochar on carbon, microbial biomass and enzyme activities of a sandy soil cultivated with bean. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20200096.	0.3	3
44	Biochar and Cow Manure on Chemical and Microbial Community in Regosol with Bean. Journal of Soil Science and Plant Nutrition, 2021, 21, 1552-1564.	1.7	3
45	Quantification and modeling of water flow in sandy soils in Northeast Thailand. , 2013, , 573-577.		3
46	Water and energy flux measurements in rainfed cowpea cultivated in Northeast Brazil. Revista Brasileirade Ciencias Agrarias, 2013, 8, 297-304.	0.3	2
47	Characterization of Pterocarpus macrocarpus (pradoo wood) biochar and its effect on the retention properties of sandy soils in Northeast Thailand. Soil Use and Management, 0, , .	2.6	2
48	Biochar from different sources against tomato bacterial wilt disease caused by Ralstonia solanacearum. Journal of Soil Science and Plant Nutrition, 2022, 22, 540-548.	1.7	2
49	Biochar enhances Acrisol attributes and yield of bean in Brazilian tropical dry region. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2021, 71, 674-682.	0.3	1
50	ProduÃ§Ã£o e eficiÃªncia no uso de Ã¡gua do feijÃ£o comum adubado com biochar. Diversitas Journal, 2019, 4, 1146-1155.	0.0	1
51	UtilizaÃ§Ã£o do MÃ©todo Inverso para a CaracterizaÃ§Ã£o HidrodinÃ¢mica de um Neossolo FlÃºvico. Revista Brasileira De Recursos Hidricos, 2004, 9, 81-87.	0.5	1
52	Soil Degradation in the Senegal Lower Valley. , 2019, , 70-87.		0
53	Biochar de Lodo de Esgoto Aumenta a ProduÃ§Ã£o e EficiÃªncia no Uso de Ãgua da Alface. Revista Brasileira De Geografia Fisica, 2020, 13, 1720.	0.0	0