

# Claude Hammecker

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

926  
citations

516215

16  
h-index

500791

28  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar and <i>Trichoderma aureoviride</i> URM 5158 as alternatives for the management of cassava root rot. <i>Applied Soil Ecology</i> , 2022, 172, 104353.	2.1	4
2	Biochar from different sources against tomato bacterial wilt disease caused by <i>Ralstonia solanacearum</i> . <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 540-548.	1.7	2
3	Slope position and biochar influence soil properties and seed displacement in a tropical agroecosystem. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	5
4	Impact of coffee biochar on carbon, microbial biomass and enzyme activities of a sandy soil cultivated with bean. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20200096.	0.3	3
5	Biochar as a strategy to manage plant diseases caused by pathogens inhabiting the soil: a critical review. <i>Phytoparasitica</i> , 2021, 49, 713-726.	0.6	24
6	Biochar and Cow Manure on Chemical and Microbial Community in Regosol with Bean. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 1552-1564.	1.7	3
7	Effects of Poultry Manure and Biochar on Acrisol Soil Properties and Yield of Common Bean. A Short-Term Field Experiment. <i>Agriculture (Switzerland)</i> , 2021, 11, 290.	1.4	14
8	Biochar enhances Acrisol attributes and yield of bean in Brazilian tropical dry region. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2021, 71, 674-682.	0.3	1
9	A scaling procedure for straightforward computation of sorptivity. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5083-5104.	1.9	9
10	Biochar and <i>Trichoderma</i> spp. in management of plant diseases caused by soilborne fungal pathogens: a review and perspective. <i>Research, Society and Development</i> , 2021, 10, e296101522465.	0.0	4
11	Human disturbance affects enzyme activity, microbial biomass and organic carbon in tropical dry sub-humid pasture and forest soils. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 458-472.	1.3	17
12	Effect of biochar and inoculation with <i>Trichoderma aureoviride</i> on melon growth and sandy Entisol quality. <i>Australian Journal of Crop Science</i> , 2020, , 971-977.	0.1	6
13	Biochar and <i>Trichoderma aureoviride</i> applied to the sandy soil: effect on soil quality and watermelon growth. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020, 48, 735-751.	0.5	10
14	Impact of coffee biochar on soil carbon, microbial biomass and enzymatic activities in Semiarid Entisol cultivated with maize. <i>Revista Brasileira De Geografia Fisica</i> , 2020, 13, 903-914.	0.0	5
15	Impacts of land-use changes on soil respiration in the semi-arid region of Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , 2020, 44, .	0.5	7
16	Biochar de Lodo de Esgoto Aumenta a ProduçãŁo e EficiÃancia no Uso de Āgua da Alface. <i>Revista Brasileira De Geografia Fisica</i> , 2020, 13, 1720.	0.0	0
17	Soil organic carbon fractions and humic substances are affected by land uses of Caatinga forest in Brazil. <i>Arid Land Research and Management</i> , 2019, 33, 255-273.	0.6	17
18	Seasonal effect of land use type on soil absolute and specific enzyme activities in a Brazilian semi-arid region. <i>Catena</i> , 2019, 172, 397-407.	2.2	23

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19	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
20	Produção e eficiência no uso de água do feijão comum adubado com biochar. Diversitas Journal, 2019, 4, 1146-1155.	0.0	1
21	Soil Degradation in the Senegal Lower Valley. , 2019, , 70-87.		0
22	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
23	Intercrops improve the drought resistance of young rubber trees. Agronomy for Sustainable Development, 2018, 38, 1.	2.2	9
24	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
25	Dinitrogen fixation by the legume cover crop Pueraria phaseoloides and transfer of fixed N to Hevea brasiliensis: Impact on tree growth and vulnerability to drought. Agriculture, Ecosystems and Environment, 2016, 217, 79-88.	2.5	18
26	Environmental control on water vapour and energy exchanges over grasslands in semiarid region of Brazil. Revista Brasileira De Engenharia Agrícola E Ambiental, 2015, 19, 3-8.	0.4	16
27	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
28	A simple framework to analyze water constraints on seasonal transpiration in rubber tree (Hevea) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50	1.7	13
29	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
30	Water and energy flux measurements in rainfed cowpea cultivated in Northeast Brazil. Revista Brasileira de Ciências Agrárias, 2013, 8, 297-304.	0.3	2
31	Quantification and modeling of water flow in sandy soils in Northeast Thailand. , 2013, , 573-577.		3
32	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
33	TRANSPIRATION, GROWTH AND LATEX PRODUCTION OF A <i>HEVEA BRASILIENSIS</i> 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
34	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
35	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
36	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

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37	Yield of rice under water and soil salinity risks in farmers' fields in northeast Thailand. <i>Field Crops Research</i> , 2010, 118, 289-296.	2.3	29
38	Simulating the evolution of soil solutions in irrigated rice soils in the Sahel. <i>Geoderma</i> , 2009, 150, 129-140.	2.3	10
39	DEPURATION OF HIGHWAY RUNOFF WATER INTO GRASS-COVERED EMBANKMENTS. <i>Environmental Technology (United Kingdom)</i> , 2008, 29, 709-720.	1.2	15
40	Subirrigation of land bordering small reservoirs in the semi-arid region in the Northeast of Brazil: monitoring and water balance. <i>Agricultural Water Management</i> , 2005, 73, 131-147.	2.4	15
41	Title is missing!. <i>Transport in Porous Media</i> , 2004, 54, 193-219.	1.2	16
42	The effect of irrigated rice cropping on the alkalinity of two alkaline rice soils in the Sahel. <i>Geoderma</i> , 2004, 119, 233-247.	2.3	19
43	A simplified water transfer model of the reservoir-ebb tide system, including preferential flow, in the semi-arid region in Northeastern Brazil. <i>Journal of Hydrology</i> , 2004, 287, 147-160.	2.3	6
44	Utilização do Método Inverso para a Caracterização Hidrodinâmica de um Neossolo Flúvico. <i>Revista Brasileira De Recursos Hídricos</i> , 2004, 9, 81-87.	0.5	1
45	Experimental and numerical study of water flow in soil under irrigation in northern Senegal: evidence of air entrapment. <i>European Journal of Soil Science</i> , 2003, 54, 491-503.	1.8	47
46	Processes driving soil solution chemistry in a flooded rice-cropped vertisol: analysis of long-time monitoring data. <i>Geoderma</i> , 2002, 110, 87-107.	2.3	65
47	Salt distribution in the Senegal middle valley. <i>Agricultural Water Management</i> , 2001, 46, 201-213.	2.4	27
48	Experimental study of limestone and sandstone sulphation in polluted realistic conditions: The Lausanne Atmospheric Simulation Chamber (LASC). <i>Atmospheric Environment</i> , 1996, 30, 3197-3207.	1.9	65
49	The importance of the petrophysical properties and external factors in the stone decay on monuments. <i>Pure and Applied Geophysics</i> , 1995, 145, 337-361.	0.8	20
50	Modelling the capillary imbibition kinetics in sedimentary rocks: Role of petrographical features. <i>Transport in Porous Media</i> , 1994, 17, 285-303.	1.2	49
51	A geometrical model for numerical simulation of capillary imbibition in sedimentary rocks. <i>Transport in Porous Media</i> , 1993, 12, 125-141.	1.2	59
52	Coffee waste as an eco-friendly and low-cost alternative for biochar production impacts on sandy soil chemical attributes and microbial gene abundance. <i>Bragantia</i> , 0, 80, .	1.3	6
53	Characterization of <i>Pterocarpus macrocarpus</i> (pradoo wood) biochar and its effect on the retention properties of sandy soils in Northeast Thailand. <i>Soil Use and Management</i> , 0, , .	2.6	2