

Beata Eموke Madari

List of Publications by Year in descending order

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70
papers

3,179
citations

147801

31
h-index

155660

55
g-index

70
all docs

70
docs citations

70
times ranked

4247
citing authors

#	ARTICLE	IF	CITATIONS
1	A Procedure for Isolating Soil Organic Matter Fractions Suitable for Modeling. Soil Science Society of America Journal, 2001, 65, 1121-1128.	2.2	321
2	The 4p1000 initiative: Opportunities, limitations and challenges for implementing soil organic carbon sequestration as a sustainable development strategy. Ambio, 2020, 49, 350-360.	5.5	208
3	No tillage and crop rotation effects on soil aggregation and organic carbon in a Rhodic Ferralsol from southern Brazil. Soil and Tillage Research, 2005, 80, 185-200.	5.6	168
4	Mid- and near-infrared spectroscopic assessment of soil compositional parameters and structural indices in two Ferralsols. Geoderma, 2006, 136, 245-259.	5.1	160
5	BIOCHAR: PYROGENIC CARBON FOR AGRICULTURAL USE - A CRITICAL REVIEW. Revista Brasileira De Ciencia Do Solo, 2015, 39, 321-344.	1.3	141
6	Pedotransfer functions for estimating soil bulk density from existing soil survey reports in Brazil. Geoderma, 2007, 139, 90-97.	5.1	131
7	Characterization of humic like substances obtained by chemical oxidation of eucalyptus charcoal. Organic Geochemistry, 2005, 36, 1480-1489.	1.8	120
8	Put more carbon in soils to meet Paris climate pledges. Nature, 2018, 564, 32-34.	27.8	119
9	Produção de fitomassa e acúmulo e liberação de nutrientes por plantas de cobertura na safrinha. Pesquisa Agropecuaria Brasileira, 2011, 46, 17-25.	0.9	115
10	Classification of Brazilian soils by using LIBS and variable selection in the wavelet domain. Analytica Chimica Acta, 2009, 642, 12-18.	5.4	106
11	Lessons from the Terra Preta de Índios of the Amazon region for the utilisation of charcoal for soil amendment. Journal of the Brazilian Chemical Society, 2009, 20, .	0.6	102
12	Soil aggregation and bacterial community structure as affected by tillage and cover cropping in the Brazilian Cerrados. Soil and Tillage Research, 2006, 90, 16-28.	5.6	92
13	The impact of soil management on aggregation, carbon stabilization and carbon loss as CO ₂ in the surface layer of a Rhodic Ferralsol in Southern Brazil. Agriculture, Ecosystems and Environment, 2009, 132, 243-251.	5.3	88
14	Bovine urine and dung deposited on Brazilian savannah pastures contribute differently to direct and indirect soil nitrous oxide emissions. Agriculture, Ecosystems and Environment, 2014, 190, 104-111.	5.3	84
15	Evidence of limited carbon sequestration in soils under no-tillage systems in the Cerrado of Brazil. Scientific Reports, 2016, 6, 21450.	3.3	81
16	Studies of the Compositions of Humic Acids from Amazonian Dark Earth Soils. Environmental Science & Technology, 2007, 41, 400-405.	10.0	76
17	Biochar increases plant-available water in a sandy loam soil under an aerobic rice crop system. Solid Earth, 2014, 5, 939-952.	2.8	73
18	Methods of soil organic carbon determination in Brazilian savannah soils. Scientia Agricola, 2014, 71, 302-308.	1.2	64

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19	Direct nitrous oxide (N ₂ O) fluxes from soils under different land use in Brazil—a critical review. <i>Environmental Research Letters</i> , 2016, 11, 023001.	5.2	53
20	Soil fertility and upland rice yield after biochar application in the Cerrado. <i>Pesquisa Agropecuaria Brasileira</i> , 2012, 47, 699-706.	0.9	50
21	Mid- and Near-Infrared Spectroscopic Determination of Carbon in a Diverse Set of Soils from the Brazilian National Soil Collection. <i>Spectroscopy Letters</i> , 2005, 38, 721-740.	1.0	47
22	Soil organic matter and fertility of anthropogenic dark earths (Terra Preta de Índio) in the Brazilian Amazon basin. <i>Revista Brasileira De Ciencia Do Solo</i> , 2009, 33, 85-93.	1.3	47
23	Fracionamento químico da matéria orgânica e características de ácidos húmicos de solos com horizonte a trípico da Amazônia (Terra Preta). <i>Acta Amazonica</i> , 2007, 37, 91-98.	0.7	44
24	Integrated crop–livestock–forestry systems: prospects for a sustainable agricultural intensification. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 108, 1-4.	2.2	44
25	Properties of a clay soil from 1.5 to 3.5 years after biochar application and the impact on rice yield. <i>Geoderma</i> , 2016, 276, 7-18.	5.1	43
26	Properties of a sandy clay loam Haplic Ferralsol and soybean grain yield in a five-year field trial as affected by biochar amendment. <i>Geoderma</i> , 2017, 305, 100-112.	5.1	43
27	Biochar: Agronomic and environmental potential in Brazilian savannah soils. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2012, 16, 761-768.	1.1	40
28	Predicting soil texture using image analysis. <i>Microchemical Journal</i> , 2019, 146, 455-463.	4.5	39
29	Ciclagem de nutrientes por plantas de cobertura e produtividade de soja e arroz em plantio direto. <i>Pesquisa Agropecuaria Brasileira</i> , 2013, 48, 1228-1236.	0.9	36
30	Polycyclic aromatic hydrocarbons in biochar amended soils: Long-term experiments in Brazilian tropical areas. <i>Chemosphere</i> , 2018, 200, 641-648.	8.2	36
31	Investigating the Chemical Characteristics of Soil Organic Matter Fractions Suitable for Modeling. <i>Soil Science Society of America Journal</i> , 2005, 69, 1248-1255.	2.2	33
32	Integrated farming systems for improving soil carbon balance in the southern Amazon of Brazil. <i>Regional Environmental Change</i> , 2018, 18, 105-116.	2.9	32
33	Comparison of DNA extraction protocols for microbial communities from soil treated with biochar. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 175-183.	2.0	31
34	Atributos físicos do solo em sistemas de integração lavoura-pecuária-floresta. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2015, 19, 309-316.	1.1	30
35	Countries' commitments to soil organic carbon in Nationally Determined Contributions. <i>Climate Policy</i> , 2021, 21, 1005-1019.	5.1	25
36	Mapeamento da condutividade elétrica e relação com a argila de Latossolo sob plantio direto. <i>Pesquisa Agropecuaria Brasileira</i> , 2006, 41, 1023-1031.	0.9	25

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37	Produção e ciclagem de nutrientes por plantas de cobertura nas culturas de arroz de terras altas e de soja. <i>Revista Brasileira De Ciencia Do Solo</i> , 2011, 35, 1787-1800.	1.3	22
38	Transpiration response of upland rice to water deficit changed by different levels of eucalyptus biochar. <i>Pesquisa Agropecuaria Brasileira</i> , 2012, 47, 716-721.	0.9	21
39	The match between microbial community structure and soil properties is modulated by land use types and sample origin within an integrated agroecosystem. <i>Soil Biology and Biochemistry</i> , 2014, 78, 97-108.	8.8	20
40	Soil biological attributes in pastures of different ages in a crop-livestock integrated system. <i>Pesquisa Agropecuaria Brasileira</i> , 2011, 46, 1262-1268.	0.9	17
41	Carbon and nitrogen stocks of an Arenosol under irrigated fruit orchards in semiarid Brazil. <i>Scientia Agricola</i> , 2007, 64, 169-175.	1.2	15
42	Using image analysis to estimate the soil organic carbon content. <i>Microchemical Journal</i> , 2019, 147, 775-781.	4.5	14
43	Carvão pirogênico como condicionante para substrato de mudas de <i>Tachigali vulgaris</i>. L.G. Silva & H.C. Lima. <i>Ciencia Florestal</i> , 2011, 21, .	0.3	13
44	Research on Anthropogenic Dark Earth Soils. Could It Be a Solution for Sustainable Agricultural Development in the Amazon?. , 2004, , 169-181.		12
45	Carbon-optimised land management strategies for southern Amazonia. <i>Regional Environmental Change</i> , 2018, 18, 1-9.	2.9	9
46	Espectroscopia de infravermelho na determinação da textura do solo. <i>Revista Brasileira De Ciencia Do Solo</i> , 2012, 36, 1769-1777.	1.3	8
47	Balancço energético e pegada de carbono nos sistemas de produção integrada e convencional de feijão-comum irrigado. <i>Pesquisa Agropecuaria Brasileira</i> , 2016, 51, 1069-1077.	0.9	8
48	Context and importance of biochar research. <i>Pesquisa Agropecuaria Brasileira</i> , 2012, 47, i-ii.	0.9	8
49	Nitrogen fluxes from irrigated common bean as affected by mulching and mineral fertilization. <i>Pesquisa Agropecuaria Brasileira</i> , 2013, 48, 478-486.	0.9	7
50	Aplicação de técnicas multivariadas e inteligência artificial na análise de espectros de infravermelho para determinação de matéria orgânica em amostras de solos. <i>Quimica Nova</i> , 2012, 35, 1738-1745.	0.3	7
51	Biological Soil Properties in Integrated Crop-Livestock-Forest Systems. <i>Revista Brasileira De Ciencia Do Solo</i> , 2017, 41, .	1.3	6
52	The Effect of Management of the Fertility of Amazonian Dark Earth Soils. , 2003, , 407-432.		6
53	The role of soil carbon sequestration in enhancing human resilience in tackling global crises including pandemics. <i>Soil Security</i> , 2022, 8, 100069.	2.3	6
54	Fluxos de Óxido nitroso e suas relações com atributos físicos e químicos do solo. <i>Pesquisa Agropecuaria Brasileira</i> , 2016, 51, 1148-1155.	0.9	5

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55	Productivity of irrigated beans due to sources of stabilized nitrogen fertilizer and controlled release. <i>Revista Ceres</i> , 2015, 62, 614-620.	0.4	4
56	Nitrogen availability, water-filled pore space, and N ₂ O-N fluxes after biochar application and nitrogen fertilization. <i>Pesquisa Agropecuaria Brasileira</i> , 2016, 51, 1203-1212.	0.9	4
57	A computer-assisted soil texture analysis using digitally scanned images. <i>Computers and Electronics in Agriculture</i> , 2020, 174, 105435.	7.7	3
58	Response to “The “4p1000” initiative: A new name should be adopted” by Baveye and White (2019). <i>Ambio</i> , 2020, 49, 363-364.	5.5	2
59	Strategic Management of Grazing Grassland Systems to Maintain and Increase Organic Carbon in Soils. , 2020, , .		2
60	Aplicação de métodos químicos na otimização da extração de Ca, Mg, K, Fe, Zn, Cu e Mn em folhas de braquiária. <i>Química Nova</i> , 2012, 35, 175-179.	0.3	2
61	Nutritional State and Productivity of Organic Sugarcane in Goiás, Brazil. <i>Journal of Agronomy</i> , 2014, 14, 6-14.	0.4	2
62	Carbon stocks of a Rhodic Ferralsol under no-tillage in Southern Brazil: spatial variability at a farm scale. <i>Soil Research</i> , 2009, 47, 253.	1.1	2
63	Predicting Soil Organic Carbon Dynamics of Integrated Crop-Livestock System in Brazil Using the CQESTR Model. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	2
64	Predicting silicon, aluminum, and iron oxides contents in soil using computer vision and infrared. <i>Microchemical Journal</i> , 2021, 170, 106669.	4.5	1
65	Emission of nitrous oxide in flooded rice cultivation in tropical area of Brazil. <i>Pesquisa Agropecuaria Brasileira</i> , 0, 55, .	0.9	1
66	The Role of Terras Pretas de Índio on Anthropocene. <i>Revista Virtual De Química</i> , 2018, 10, 1659-1692.	0.4	1
67	Evaluation of Aggregate Stability in Terrestrial Anthropocene Markers Submitted to Different Fallow Periods. <i>Revista Virtual De Química</i> , 2018, 10, 1693-1718.	0.4	1
68	Avaliando a Fertilidade do Solo com Imagens Digitais. <i>Revista Processos Químicos</i> , 2020, 14, 9-16.	0.0	1
69	Tillage “ Soil Organic Matter Relationships in Long-Term Experiments in Hungary and Indiana. , 2002, , .		0
70	Multivariate analysis of images in spectrophotometric methods: Quantification of soil organic matter. <i>European Journal of Chemistry</i> , 2021, 12, 377-381.	0.6	0