

Anna Walkiewicz

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

390
citations

758635

12
h-index

794141

19
g-index

28
all docs

28
docs citations

28
times ranked

476
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant growth regulators-assisted phytoextraction. <i>Biologia Plantarum</i> , 2014, 58, 1-8.	1.9	76
2	Biochar promotes the reduction of N ₂ O to N ₂ and concurrently suppresses the production of N ₂ O in calcareous soil. <i>Geoderma</i> , 2020, 362, 114091.	2.3	30
3	Methanotrophs are favored under hypoxia in ammonium-fertilized soils. <i>Biology and Fertility of Soils</i> , 2018, 54, 861-870.	2.3	29
4	The effects of humic substances on DNA isolation from soils. <i>PeerJ</i> , 2020, 8, e9378.	0.9	27
5	Biochar addition reinforces microbial interspecies cooperation in methanation of sugar beet waste (pulp). <i>Science of the Total Environment</i> , 2020, 730, 138921.	3.9	26
6	Evaluation of Nanocomposite Made of Polylactic Acid and Nanocellulose from Carrot Pomace Modified with Silver Nanoparticles. <i>Polymers</i> , 2020, 12, 812.	2.0	25
7	Interactive effects of nitrate and oxygen on methane oxidation in three different soils. <i>Soil Biology and Biochemistry</i> , 2019, 133, 116-118.	4.2	24
8	Usage of biochar for mitigation of CO ₂ emission and enhancement of CH ₄ consumption in forest and orchard Haplic Luvisol (Siltic) soils. <i>Applied Soil Ecology</i> , 2020, 156, 103711.	2.1	19
9	Kinetics of methane oxidation in selected mineral soils. <i>International Agrophysics</i> , 2012, 26, 401-406.	0.7	17
10	Methane oxidation in lead-contaminated mineral soils under different moisture levels. <i>Environmental Science and Pollution Research</i> , 2017, 24, 25346-25354.	2.7	16
11	Biochar dose determines methane uptake and methanotroph abundance in Haplic Luvisol. <i>Science of the Total Environment</i> , 2022, 806, 151259.	3.9	16
12	Electromagnetic field pretreatment of <i>Sinapis alba</i> seeds improved cadmium phytoextraction. <i>International Journal of Phytoremediation</i> , 2018, 20, 338-342.	1.7	14
13	Methane oxidation in heavy metal contaminated Mollic Gleysol under oxic and hypoxic conditions. <i>Environmental Pollution</i> , 2016, 213, 403-411.	3.7	11
14	Soil properties and not high CO ₂ affect CH ₄ production and uptake in periodically waterlogged arable soils. <i>Journal of Soils and Sediments</i> , 2020, 20, 1231-1240.	1.5	8
15	Early Response of Soil Microbial Biomass and Activity to Biofertilizer Application in Degraded Brunic Arenosol and Abruptic Luvisol of Contrasting Textures. <i>Agronomy</i> , 2020, 10, 1347.	1.3	8
16	Methanogenesis and aerobic methanotrophy in arable soils contaminated with cadmium. <i>Catena</i> , 2020, 189, 104480.	2.2	8
17	How Can Litter Modify the Fluxes of CO ₂ and CH ₄ from Forest Soils? A Mini-Review. <i>Forests</i> , 2021, 12, 1276.	0.9	8
18	New biochars from raspberry and potato stems absorb more methane than wood offcuts and sunflower husk biochars. <i>International Agrophysics</i> , 2020, 34, 355-364.	0.7	7

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19	Contrasting Effects of Forest Type and Stand Age on Soil Microbial Activities: An Analysis of Local Scale Variability. <i>Biology</i> , 2021, 10, 850.	1.3	6
20	Biocatalytic conversion of methane – selected aspects. <i>Current Opinion in Chemical Engineering</i> , 2019, 26, 28-32.	3.8	5
21	Variations in Soil Properties and CO ₂ Emissions of a Temperate Forest Gully Soil along a Topographical Gradient. <i>Forests</i> , 2021, 12, 226.	0.9	3
22	Effect of encapsulated and free-living cells of <i>Chlorella vulgaris</i> L. on nitrogen retention in soils. <i>International Agrophysics</i> , 2019, 33, 127-136.	0.7	3
23	Effect of lead and chloride ions on methane production in arable soils. <i>International Agrophysics</i> , 2020, 34, 185-193.	0.7	3