Axel F Mentler

List of Publications by Year
in descending order

50	1,917	331670 21	254184 43
papers	citations	h-index	g-index

55	55	55	2805
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Biological Origins of Soil Organic Matter in Different Land-Uses in the Highlands of Ethiopia. Forests, 2022, 13, 560.	2.1	2
2	Contrasting rice management systems â€“ Site-specific effects on soil parameters. Eurasian Journal of Soil Science, 2022, 11, 225-233.	0.6	2
3	Gross Ammonification and Nitrification Rates in Soil Amended with Natural and NH4-Enriched Chabazite Zeolite and Nitrification Inhibitor DMPP. Applied Sciences (Switzerland), 2021, 11, 2605.	2.5	9
4	Effects of Different Chabazite Zeolite Amendments to Sorption of Nitrification Inhibitor 3,4-Dimethylpyrazole Phosphate (DMPP) in Soil. Journal of Soil Science and Plant Nutrition, 2020, 20, 973-978.	3.4	6
5	Inorganic Nitrogen diffusion in undisturbed volcanic soils during continuous dryingâ€“rewetting cycles. Journal of Plant Nutrition and Soil Science, 2020, 183, 648-658.	1.9	1
6	Comparison of commonly used extraction methods for ergosterol in soil samples. International Agrophysics, 2020, 34, 425-432.	1.7	5
7	Agriculture changes soil properties on the GalÃ¡pagos Islands â€“ two case studies. Soil Research, 2019, 57, 201.	1.1	21
8	Fungicide application increased copper-bioavailability and impaired nitrogen fixation through reduced root nodule formation on alfalfa. Ecotoxicology, 2019, 28, 599-611.	2.4	14
9	Biochar application increases sorption of nitrification inhibitor 3,4-dimethylpyrazole phosphate in soil. Environmental Science and Pollution Research, 2018, 25, 11173-11177.	5.3	21
10	Emergy synthesis of conventional fodder maize (Zea mays L.) production in Denmark. Ecological Indicators, 2018, 87, 144-151.	6.3	18
11	Assessment of Cu applications in two contrasting soilsâ€”effects on soil microbial activity and the fungal community structure. Ecotoxicology, 2018, 27, 217-233.	2.4	54
12	Soil aggregate breakdown and carbon release along a chronosequence of recovering landslide scars in a subtropical watershed. Catena, 2018, 165, 530-536.	5.0	14
13	Activated biochar alters activities of carbon and nitrogen acquiring soil enzymes. Pedobiologia, 2018, 69, 1-10.	1.2	31
14	Do cover crops enhance soil greenhouse gas losses during high emission moments under temperate Central Europe conditions?. Bodenkultur, 2018, 68, 171-187.	0.2	6
15	Soil and biomass carbon re-accumulation after landslide disturbances. Geomorphology, 2017, 288, 164-174.	2.6	24
16	High resolution short-term investigation of soil CO2, N2O, NOx and NH3 emissions after different chabazite zeolite amendments. Applied Soil Ecology, 2017, 119, 138-144.	4.3	33
17	Calibration of ultrasonic power output in water, ethanol and sodium polytungstate. International Agrophysics, 2017, 31, 583-588.	1.7	8
18	Is there a convergence of deciduous leaf litter stoichiometry, biochemistry and microbial population during decay?. Geoderma, 2016, 272, 93-100.	5.1	33

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19	Non-target effects of a glyphosate-based herbicide on Common toad larvae (Bufo bufo,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	36
20	Study of soil aggregate breakdown dynamics under low dispersive ultrasonic energies with sedimentation and X-ray attenuation. International Agrophysics, 2015, 29, 501-508.	1.7	8
21	Carbon and nitrogen gaseous fluxes from subsurface flow wetland buffer strips at mesocosm scale in East Africa. Ecological Engineering, 2015, 85, 173-184.	3.6	28
22	Biochar application reduces protein sorption in soil. Organic Geochemistry, 2015, 87, 21-24.	1.8	19
23	Soil Aggregate Stability in Different Soil Orders Quantified by Low Dispersive Ultrasonic Energy Levels. Soil Science Society of America Journal, 2014, 78, 713-723.	2.2	13
24	Influence of soil tillage and erosion on the dispersion of glyphosate and aminomethylphosphonic acid in agricultural soils. International Agrophysics, 2014, 28, 93-100.	1.7	28
25	Determination of Glyphosate and AMPA in Three Representative Agricultural Austrian Soils with a HPLC-MS/MS Method. Soil and Sediment Contamination, 2013, 22, 332-350.	1.9	32
26	Analysis and exposure assessment of some heavy metals in foodstuffs from Ismailia city, Egypt. Toxicological and Environmental Chemistry, 2012, 94, 78-90.	1.2	19
27	Capillary electrophoresis characterisation of humic acids: application to diverse forest soil samples. Environmental Chemistry, 2011, 8, 589.	1.5	9
28	Mid-infrared spectroscopy for topsoil layer identification according to litter type and decompositional stage demonstrated on a large sample set of Austrian forest soils. Geoderma, 2011, 166, 162-170.	5.1	11
29	Performance of a filtration system equipped with filter media for parking lot runoff treatment. Desalination, 2011, 275, 118-125.	8.2	43
30	Impact of cultivating Cinnamomum camphora (L.) Presl. on PAHs dissipation in diesel-contaminated soils. , 2011, , .		1
31	Microbial community composition and activity in different Alpine vegetation zones. Soil Biology and Biochemistry, 2010, 42, 155-161.	8.8	156
32	Determination of Organic and Inorganic Carbon in Forest Soil Samples by Mid-Infrared Spectroscopy and Partial Least Squares Regression. Applied Spectroscopy, 2010, 64, 1167-1175.	2.2	48
33	Soil aggregation, aggregate stability, organic carbon and nitrogen in different soil aggregate fractions under forest and shrub vegetation on the Loess Plateau, China. Catena, 2010, 81, 226-233.	5.0	226
34	Distribution of Road Salt Residues, Heavy Metals and Polycyclic Aromatic Hydrocarbons across a Highway-Forest Interface. Water, Air, and Soil Pollution, 2009, 198, 125-132.	2.4	85
35	Soil microbial parameters and stability of soil aggregate fractions under different grassland communities on the Loess Plateau, China. Biologia (Poland), 2009, 64, 424-427.	1.5	23
36	Determination of glyphosate and AMPA in surface and waste water using high-performance ion chromatography coupled to inductively coupled plasma dynamic reaction cell mass spectrometry (HPICâ€“ICPâ€“DRCâ€“MS). Analytical and Bioanalytical Chemistry, 2008, 391, 695-699.	3.7	63

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37	Comparison of four extraction methods for the analysis of 24 pesticides in soil samples with gas chromatographyâ€“mass spectrometry and liquid chromatographyâ€“ion trapâ€“mass spectrometry. Talanta, 2008, 75, 284-293.	5.5	156
38	Analysis of 140 pesticides from conventional farming foodstuff samples after extraction with the modified QuECheRS method. Food Control, 2008, 19, 906-914.	5.5	181
39	Screening of arsenic in irrigation water used for vegetable production in Nepal. Archives of Agronomy and Soil Science, 2008, 54, 41-51.	2.6	17
40	Soil properties and distribution of radionuclides of selected soil profiles from Southern Costa Rica. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2008, 246, 283-297.	0.4	1
41	Qualitative and quantitative analysis of polar pesticide multiresidues in leaf samples with a liquid chromatographyâ€“ion-trap mass-selective detector. International Journal of Environmental Analytical Chemistry, 2007, 87, 1013-1032.	3.3	13
42	FTIRâ€spectroscopic characterization of humic acids and humin fractions obtained by advanced NaOH, Na₄P₂O₇, and Na₂CO₃ extraction procedures. Journal of Plant Nutrition and Soil Science, 2007, 170, 522-529.	1.9	232
43	An environmental soil test to estimate the intrinsic risk of sediment and phosphorus mobilization from European soils. Soil Use and Management, 2007, 23, 57-70.	4.9	36
44	Certification of the European reference soil set (IRMM-443â€”EUROSOILS). Part I. Adsorption coefficients for atrazine, 2,4-D and lindane. Science of the Total Environment, 2003, 312, 23-31.	8.0	12
45	Certification of the European Reference Soil Set (IRMM-443â€”EUROSOILS). Part II. Soil-pH in suspensions of water and CaCl2. Science of the Total Environment, 2003, 312, 33-42.	8.0	4
46	Speciation of arsenic of liquid and gaseous emissions from soil in a microcosmos experiment by liquid and gas chromatography with inductively coupled plasma mass spectrometer (ICP-MS) detection. Fresenius' Journal of Analytical Chemistry, 1999, 364, 467-470.	1.5	21
47	Estimating dissolved organic carbon in natural waters by UV absorbance (254 nm). Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1996, 159, 605-607.	0.4	82
48	Measurement of soil aggregate stability using low intensity ultrasonic vibration. Spanish Journal of Soil Science, 0, 1, .	0.0	2
49	A preliminary study of the content and distribution of pesticide residues in soil samples from the Kathmandu valley, Nepal .. Spanish Journal of Soil Science, 0, 2, .	0.0	1
50	The impact of Cinnamomum camphora on the dissipation of PAHs in diesel contaminated soils from China .. Spanish Journal of Soil Science, 0, 4, .	0.0	0