Wolfgang Wilcke

List of Publications by Year
in descending order

256 papers	13,834 citations	19608 61 h-index	30010 103 g-index
269 all docs	269 docs citations	269 times ranked	12922 citing authors

#	Article	IF	Citations
1	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. Ecology Letters, 2015, 18, 834-843.	3.0	578
2	SYNOPSIS Polycyclic Aromatic Hydrocarbons (PAHs) in Soil â€" a Review. Journal of Plant Nutrition and Soil Science, 2000, 163, 229-248.	1.1	533
3	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. Nature, 2016, 536, 456-459.	13.7	526
4	The role of biodiversity for element cycling and trophic interactions: an experimental approach in a grassland community. Basic and Applied Ecology, 2004, 5, 107-121.	1.2	508
5	Global patterns of polycyclic aromatic hydrocarbons (PAHs) in soil. Geoderma, 2007, 141, 157-166.	2.3	349
6	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. Basic and Applied Ecology, 2017, 23, 1-73.	1.2	307
7	PM2.5-bound oxygenated PAHs, nitro-PAHs and parent-PAHs from the atmosphere of a Chinese megacity: Seasonal variation, sources and cancer risk assessment. Science of the Total Environment, 2014, 473-474, 77-87.	3.9	272
8	Urban soil contamination in Bangkok: heavy metal and aluminium partitioning in topsoils. Geoderma, 1998, 86, 211-228.	2.3	246
9	Polycyclic aromatic compounds (PAHs and oxygenated PAHs) and trace metals in fish species from Ghana (West Africa): Bioaccumulation and health risk assessment. Environment International, 2014, 65, 135-146.	4.8	211
10	Stable Cu and Zn isotope ratios as tracers of sources and transport of Cu and Zn in contaminated soil. Geochimica Et Cosmochimica Acta, 2010, 74, 6801-6813.	1.6	195
11	Nitrogen and phosphorus additions impact arbuscular mycorrhizal abundance and molecular diversity in a tropical montane forest. Global Change Biology, 2014, 20, 3646-3659.	4.2	194
12	Biotic and Abiotic Properties Mediating Plant Diversity Effects on Soil Microbial Communities in an Experimental Grassland. PLoS ONE, 2014, 9, e96182.	1.1	188
13	Availability of Polycyclic Aromatic Hydrocarbons (PAHs) and Polychlorinated Biphenyls (PCBs) to Earthworms in Urban Soils. Environmental Science & Technology, 2000, 34, 4335-4340.	4.6	170
14	Land-use intensity alters networks between biodiversity, ecosystem functions, and services. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28140-28149.	3.3	164
15	Biodiversityâ€"multifunctionality relationships depend on identity and number of measured functions. Nature Ecology and Evolution, 2018, 2, 44-49.	3.4	155
16	Polycyclic aromatic hydrocarbons (PAHs) and their derivatives (alkyl-PAHs, oxygenated-PAHs,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 512-520.	4.2	153
17	Occurrence, gas/particle partitioning and carcinogenic risk of polycyclic aromatic hydrocarbons and their oxygen and nitrogen containing derivatives in Xi'an, central China. Science of the Total Environment, 2015, 505, 814-822.	3.9	150
18	Polycyclic aromatic hydrocarbons and polychlorinated biphenyls in forest soils: depth distribution as indicator of different fate. Environmental Pollution, 2000, 110, 79-88.	3.7	145

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19	Rainfall interception in a lower montane forest in Ecuador: effects of canopy properties. Hydrological Processes, 2005, 19, 1355-1371.	1.1	144
20	Contributions of biotic and abiotic factors to soil aggregation across a land use gradient. Soil Biology and Biochemistry, 2010, 42, 2316-2324.	4.2	130
21	Atmospheric versus biological sources of polycyclic aromatic hydrocarbons (PAHs) in a tropical rain forest environment. Environmental Pollution, 2005, 135, 143-154.	3.7	126
22	Nutrient storage and turnover in organic layers under tropical montane rain forest in Ecuador. European Journal of Soil Science, 2002, 53, 15-27.	1.8	120
23	Locally rare species influence grassland ecosystem multifunctionality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150269.	1.8	117
24	Fate of Cd in Agricultural Soils: A Stable Isotope Approach to Anthropogenic Impact, Soil Formation, and Soil-Plant Cycling. Environmental Science & Technology, 2018, 52, 1919-1928.	4.6	117
25	Flooding disturbances increase resource availability and productivity but reduce stability in diverse plant communities. Nature Communications, 2015, 6, 6092.	5.8	116
26	Polycyclic aromatic hydrocarbons in hydromorphic soils of the tropical metropolis Bangkok. Geoderma, 1999, 91, 297-309.	2.3	114
27	Soil and Plant Nitrogen Pools as Related to Plant Diversity in an Experimental Grassland. Soil Science Society of America Journal, 2007, 71, 720-729.	1.2	114
28	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. Nature Ecology and Evolution, 2020, 4, 1602-1611.	3.4	114
29	Cadmium Isotope Fractionation in Soilâ€"Wheat Systems. Environmental Science & Technology, 2016, 50, 9223-9231.	4.6	113
30	Copper Isotope Fractionation during Complexation with Insolubilized Humic Acid. Environmental Science & Technology, 2010, 44, 5496-5502.	4.6	111
31	Tropical Andean Forests Are Highly Susceptible to Nutrient Inputsâ€"Rapid Effects of Experimental N and P Addition to an Ecuadorian Montane Forest. PLoS ONE, 2012, 7, e47128.	1.1	111
32	PAH-pools in soils along a PAH-deposition gradient. Environmental Pollution, 1996, 92, 307-313.	3.7	109
33	Polychlorinated naphthalenes in urban soils: analysis, concentrations, and relation to other persistent organic pollutants. Environmental Pollution, 2003, 122, 75-89.	3.7	108
34	Carbon Isotope Signature of Polycyclic Aromatic Hydrocarbons (PAHs):Â Evidence for Different Sources in Tropical and Temperate Environments?. Environmental Science & Technology, 2002, 36, 3530-3535.	4.6	106
35	Tracing water paths through small catchments under a tropical montane rain forest in south Ecuador by an oxygen isotope approach. Journal of Hydrology, 2005, 308, 67-80.	2.3	99
36	Diversity Promotes Temporal Stability across Levels of Ecosystem Organization in Experimental Grasslands. PLoS ONE, 2010, 5, e13382.	1.1	95

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37	Persistent Organic Pollutants in Native Grassland Soils along a Climosequence in North America. Soil Science Society of America Journal, 2000, 64, 2140-2148.	1.2	93
38	Spatial and temporal patterns of throughfall quantity and quality in a tropical montane forest in Ecuador. Journal of Hydrology, 2007, 343, 80-96.	2.3	93
39	Polycyclic aromatic hydrocarbons (PAHs) and their oxygen-containing derivatives (OPAHs) in soils from the Angren industrial area, Uzbekistan. Environmental Pollution, 2010, 158, 2888-2899.	3.7	93
40	The results of biodiversityâ€"ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494.	3.4	93
41	Elemental Carbon and Polycyclic Aromatic Compounds in a 150-Year Sediment Core from Lake Qinghai, Tibetan Plateau, China: Influence of Regional and Local Sources and Transport Pathways. Environmental Science & Technology, 2015, 49, 4176-4183.	4.6	92
42	A comparison of the strength of biodiversity effects across multiple functions. Oecologia, 2013, 173, 223-237.	0.9	91
43	Visualizing the dynamics of soil aggregation as affected by arbuscular mycorrhizal fungi. ISME Journal, 2019, 13, 1639-1646.	4.4	91
44	Plant diversity effects on aboveground and belowground N pools in temperate grassland ecosystems: Development in the first 5 years after establishment. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	1.9	90
45	Stable Cu isotope fractionation in soils during oxic weathering and podzolization. Geochimica Et Cosmochimica Acta, 2011, 75, 3119-3134.	1.6	89
46	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. Ecosphere, 2016, 7, e01619.	1.0	87
47	Change in water quality during the passage through a tropical montane rain forest in Ecuador. Biogeochemistry, 2001, 55, 45-72.	1.7	81
48	Predicting heavy metal transfer from soil to plant: potential use of Freundlich-type functions. Journal of Plant Nutrition and Soil Science, 2002, 165, 3.	1.1	79
49	Biological Sources of Polycyclic Aromatic Hydrocarbons (PAHs) in the Amazonian Rain Forest. Journal of Plant Nutrition and Soil Science, 2000, 163, 27-30.	1.1	78
50	Oxygen-containing polycyclic aromatic hydrocarbons (OPAHs) in urban soils of Bratislava, Slovakia: Patterns, relation to PAHs and vertical distribution. Environmental Pollution, 2011, 159, 539-549.	3.7	78
51	Analysis of Polycyclic Aromatic Hydrocarbons and Their Oxygenâ€Containing Derivatives and Metabolites in Soils. Journal of Environmental Quality, 2010, 39, 1349-1358.	1.0	76
52	Soil properties on a chronosequence of landslides in montane rain forest, Ecuador. Catena, 2003, 53, 79-95.	2.2	75
53	Soil properties and tree growth along an altitudinal transect in Ecuadorian tropical montane forest. Journal of Plant Nutrition and Soil Science, 2008, 171, 220-230.	1.1	75
54	Polycyclic aromatic hydrocarbon (PAH) patterns in climatically different ecological zones of Brazil. Organic Geochemistry, 2003, 34, 1405-1417.	0.9	74

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55	First intercomparison study on the analysis of oxygenated polycyclic aromatic hydrocarbons (oxy-PAHs) and nitrogen heterocyclic polycyclic aromatic compounds (N-PACs) in contaminated soil. TrAC - Trends in Analytical Chemistry, 2014, 57, 83-92.	5.8	73
56	Biodiversity Effects on Plant Stoichiometry. PLoS ONE, 2013, 8, e58179.	1.1	71
57	Chemical fractionation of phosphorus, sulphur, and molybdenum in Brazilian savannah Oxisols under different land use. Geoderma, 2000, 96, 31-46.	2.3	70
58	Plant species richness and functional groups have different effects on soil water content in a decadeâ€long grassland experiment. Journal of Ecology, 2019, 107, 127-141.	1.9	69
59	Possible application of stable isotope compositions for the identification of metal sources in soil. Journal of Hazardous Materials, 2021, 407, 124812.	6.5	69
60	Tropical Andean forest derives calcium and magnesium from Saharan dust. Global Biogeochemical Cycles, 2008, 22, .	1.9	68
61	Phosphorus partitioning in grassland and forest soils of Germany as related to landâ€use type, management intensity, and land useâ€"related pH. Journal of Plant Nutrition and Soil Science, 2011, 174, 195-209.	1.1	68
62	Water budgets of three small catchments under montane forest in Ecuador: experimental and modelling approach. Hydrological Processes, 2006, 20, 2491-2507.	1.1	67
63	Water flow paths in soil control element exports in an Andean tropical montane forest. European Journal of Soil Science, 2008, 59, 1209-1227.	1.8	66
64	Dissolved Nitrogen, Phosphorus, and Sulfur forms in the Ecosystem Fluxes of a Montane Forest in Ecuador. Biogeochemistry, 2006, 77, 57-89.	1.7	62
65	Amazonian biomass burningâ€derived acid and nutrient deposition in the north Andean montane forest of Ecuador. Global Biogeochemical Cycles, 2008, 22, .	1.9	61
66	An ecosystem approach to biodiversity effects: Carbon pools in a tropical tree plantation. Forest Ecology and Management, 2011, 261, 1614-1624.	1.4	59
67	Nitrogen uptake by grassland communities: contribution of N2 fixation, facilitation, complementarity, and species dominance. Plant and Soil, 2012, 358, 301-322.	1.8	59
68	Nitrogen and Phosphorus Budgets in Experimental Grasslands of Variable Diversity. Journal of Environmental Quality, 2007, 36, 396-407.	1.0	58
69	Polychlorinated biphenyls (PCBs) in soils of the Moscow region: Concentrations and small-scale distribution along an urbanâ€"rural transect. Environmental Pollution, 2006, 141, 327-335.	3.7	57
70	Soil property and management effects on grassland microbial communities across a latitudinal gradient in Germany. Applied Soil Ecology, 2014, 73, 41-50.	2.1	57
71	Plant diversity shapes microbeâ€rhizosphere effects on P mobilisation from organic matter in soil. Ecology Letters, 2015, 18, 1356-1365.	3.0	57
72	Resources, recruitment limitation and invader species identity determine pattern of spontaneous invasion in experimental grasslands. Journal of Ecology, 2009, 97, 32-47.	1.9	56

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73	Stable Copper Isotopes: A Novel Tool to Trace Copper Behavior in Hydromorphic Soils. Soil Science Society of America Journal, 2010, 74, 60-73.	1.2	56
74	Nitrate leaching in soil: Tracing the NO3â˜' sources with the help of stable N and O isotopes. Soil Biology and Biochemistry, 2007, 39, 3024-3033.	4.2	55
75	Dissolved organic matter characteristics of deciduous and coniferous forests with variable management: different at the source, aligned in the soil. Biogeosciences, 2019, 16, 1411-1432.	1.3	54
76	Reconstruction of atmospheric soot history in inland regions from lake sediments over the past 150 years. Scientific Reports, 2016, 6, 19151.	1.6	52
77	The Fate of Zn in Agricultural Soils: A Stable Isotope Approach to Anthropogenic Impact, Soil Formation, and Soilâ€"Plant Cycling. Environmental Science & Technology, 2019, 53, 4140-4149.	4.6	52
78	Contamination of highly weathered urban soils in UberlÃ¢ndia, Brazil. Journal of Plant Nutrition and Soil Science, 1999, 162, 539-548.	1.1	51
79	Towards an understanding of the Cd isotope fractionation during transfer from the soil to the cereal grain. Environmental Pollution, 2019, 244, 834-844.	3.7	51
80	Sorption Strength of Persistent Organic Pollutants in Particleâ€size Fractions of Urban Soils. Soil Science Society of America Journal, 2002, 66, 430-437.	1.2	50
81	Does plant diversity influence phosphorus cycling in experimental grasslands?. Geoderma, 2011, 167-168, 178-187.	2.3	50
82	Polycyclic aromatic compounds (PAHs, oxygenated PAHs, nitrated PAHs and azaarenes) in soils from China and their relationship with geographic location, land use and soil carbon fractions. Science of the Total Environment, 2019, 690, 1268-1276.	3.9	49
83	Stronger association of polycyclic aromatic hydrocarbons with soot than with char in soils and sediments. Chemosphere, 2015, 119, 1335-1345.	4.2	48
84	Oxygenated polycyclic aromatic hydrocarbons and azaarenes in urban soils: A comparison of a tropical city (Bangkok) with two temperate cities (Bratislava and Gothenburg). Chemosphere, 2014, 107, 407-414.	4.2	47
85	Response of the N and P cycles of an old-growth montane forest in Ecuador to experimental low-level N and P amendments. Forest Ecology and Management, 2010, 260, 1434-1445.	1.4	46
86	Polycyclic aromatic hydrocarbons (PAHs) and their polar derivatives (oxygenated PAHs, azaarenes) in soils along a climosequence in Argentina. Science of the Total Environment, 2014, 473-474, 317-325.	3.9	46
87	Zinc isotope fractionation during grain filling of wheat and a comparison of zinc and cadmium isotope ratios in identical soilâ€"plant systems. New Phytologist, 2018, 219, 195-205.	3.5	46
88	Using isotopes to trace freshly applied cadmium through mineral phosphorus fertilization in soil-fertilizer-plant systems. Science of the Total Environment, 2019, 648, 779-786.	3.9	46
89	Biomimetic Extraction of PAHs and PCBs from Soil with Octadecyl-Modified Silica Disks To Predict Their Availability to Earthworms. Environmental Science & Technology, 2001, 35, 3931-3935.	4.6	45
90	Evaluation of Fluorideâ€Induced Metal Mobilization in Soil Columns. Journal of Environmental Quality, 2000, 29, 454-459.	1.0	44

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91	Soil acidification in Pinus caribaea forests on Brazilian savanna Oxisols. Forest Ecology and Management, 2000, 128, 145-157.	1.4	44
92	Nutrient storage in soil and biomass of native Brazilian Cerrado. Journal of Plant Nutrition and Soil Science, 2001, 164, 487.	1.1	44
93	Plant diversity enhances the natural attenuation of polycyclic aromatic compounds (PAHs and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.2	44
94	Spatial throughfall heterogeneity in a montane rain forest in Ecuador: Extent, temporal stability and drivers. Journal of Hydrology, 2009, 377, 71-79.	2.3	43
95	The nitrogen cycle of tropical montane forest in Ecuador turns inorganic under environmental change. Global Biogeochemical Cycles, 2013, 27, 1194-1204.	1.9	43
96	Comparison of Different Techniques for the Measurement of Precipitation in Tropical Montane Rain Forest Regions. Journal of Atmospheric and Oceanic Technology, 2007, 24, 156-168.	0.5	42
97	Towards the development of general rules describing landscape heterogeneityâ€"multifunctionality relationships. Journal of Applied Ecology, 2019, 56, 168-179.	1.9	42
98	Coarse woody debris in a montane forest in Ecuador: mass, C and nutrient stock, and turnover. Forest Ecology and Management, 2005, 205, 139-147.	1.4	41
99	Isotope Fractionation of Selenium During Fungal Biomethylation by <i>Alternaria alternata</i>. Environmental Science & Technology, 2011, 45, 2670-2676.	4.6	41
100	Tree mixture effects on aboveground nutrient pools of trees in an experimental plantation in Panama. Plant and Soil, 2010, 326, 199-212.	1.8	40
101	Net ammonification as influenced by plant diversity in experimental grasslands. Soil Biology and Biochemistry, 2012, 48, 78-87.	4.2	40
102	Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. Nature Communications, 2021, 12, 4431.	5.8	40
103	Forest Fertilization with Wood Ash: Effect on the Distribution and Storage of Polycyclic Aromatic Hydrocarbons (PAHs) and Polychlorinated Biphenyls (PCBs). Journal of Environmental Quality, 2001, 30, 1296-1304.	1.0	38
104	Water and element input into native, agri- and silvicultural ecosystems of the Brazilian savanna. Biogeochemistry, 2004, 67, 183-212.	1.7	38
105	Influence of modelled soil biogenic NO emissions on related trace gases and the atmospheric oxidizing efficiency. Atmospheric Chemistry and Physics, 2009, 9, 2663-2677.	1.9	38
106	DIFFERENCES IN CONCENTRATIONS AND FRACTIONS OF ALUMINUM AND HEAVY METALS BETWEEN AGGREGATE INTERIOR AND EXTERIOR. Soil Science, 1997, 162, 323-332.	0.9	38
107	Soil Fertility under Native Cerrado and Pasture in the Brazilian Savanna. Soil Science Society of America Journal, 2003, 67, 1195-1205.	1.2	37
108	Accounting for multiple ecosystem services in a simulation of landâ€use decisions: Does it reduce tropical deforestation?. Global Change Biology, 2020, 26, 2403-2420.	4.2	37

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109	Heavy Metal Release from Soils in Batch pHstat Experiments. Soil Science Society of America Journal, 1999, 63, 290-296.	1.2	36
110	Polycyclic Aromatic Hydrocarbons (PAHs) in Soils of the Moscow Region- Concentrations, Temporal Trends, and Small-Scale Distribution. Journal of Environmental Quality, 2005, 34, 1581-1590.	1.0	36
111	Microbial formation and degradation of oxygen-containing polycyclic aromatic hydrocarbons (OPAHs) in soil during short-term incubation. Environmental Pollution, 2014, 184, 385-390.	3.7	36
112	POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) AND POLYCHLORINATED BIPHENYLS (PCBS) IN PARTICLE-SIZE SEPARATES OF URBAN SOILS IN BANGKOK, THAILAND. Soil Science, 2000, 165, 412-419.	0.9	36
113	Predicting Soilâ˘'Water Partitioning of Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls by Desorption with Methanolâ˘'Water Mixtures at Different Temperatures. Environmental Science & Technology, 2001, 35, 2319-2325.	4.6	35
114	Persistent organic pollutants in soil density fractions: distribution and sorption strength. Chemosphere, 2005, 59, 1507-1515.	4.2	35
115	ALUMINUM AND HEAVY METAL PARTITIONING IN A HORIZONS OF SOILS IN COSTA RICAN COFFEE PLANTATIONS. Soil Science, 1998, 163, 463-471.	0.9	35
116	Oxygen isotope ratios (18O/16O) of hemicellulose-derived sugar biomarkers in plants, soils and sediments as paleoclimate proxy II: Insight from a climate transect study. Geochimica Et Cosmochimica Acta, 2014, 126, 624-634.	1.6	33
117	Longâ€term effects of plant diversity and composition on plant stoichiometry. Oikos, 2016, 125, 613-621.	1.2	33
118	Heavy metal distribution between soil aggregate core and surface fractions along gradients of deposition from the atmosphere. Geoderma, 1998, 83, 55-66.	2.3	32
119	More efficient aboveground nitrogen use in more diverse Central European forest canopies. Forest Ecology and Management, 2014, 313, 274-282.	1.4	32
120	Plant diversity and functional groups affect Si and Ca pools in aboveground biomass of grassland systems. Oecologia, 2016, 182, 277-286.	0.9	32
121	Dissolved organic matter under native Cerrado and Pinus caribaea plantations in the Brazilian savanna. Biogeochemistry, 2004, 67, 157-182.	1.7	31
122	Isotopes Trace Biogeochemistry and Sources of Cu and Zn in an intertidal soil. Soil Science Society of America Journal, 2013, 77, 680-691.	1.2	30
123	Effects of Pinus caribaea forests on the C, N, P, and S status of Brazilian savanna Oxisols. Forest Ecology and Management, 2001, 147, 171-182.	1.4	29
124	Aluminum toxicity to tropical montane forest tree seedlings in southern Ecuador: response of biomass and plant morphology to elevated Al concentrations. Plant and Soil, 2014, 382, 301-315.	1.8	29
125	Fast colloidal and dissolved release of trace elements in a carbonatic soil after experimental flooding. Geoderma, 2015, 259-260, 156-163.	2.3	29
126	How plant diversity impacts the coupled water, nutrient and carbon cycles. Advances in Ecological Research, 2019, 61, 185-219.	1.4	29

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127	Polycyclic aromatic hydrocarbons (PAHs) in soils of an industrial area in semi-arid Uzbekistan: spatial distribution, relationship with trace metals and risk assessment. Environmental Geochemistry and Health, 2021, 43, 4847-4861.	1.8	29
128	Small Scale Heterogeneity of Soil Chemical Properties. I. A Technique for Rapid Aggregate Fractionation. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1994, 157, 453-458.	0.4	28
129	Heavy Metal Release from a Serpentine Soil Using a pHâ€Stat Technique. Soil Science Society of America Journal, 1995, 59, 1027-1031.	1.2	28
130	A 2600-year record of past polycyclic aromatic hydrocarbons (PAHs) deposition at Holzmaar (Eifel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	28
131	From an extremophilic community to an electroautotrophic production strain: identifying a novel <i>Knallgas</i> bacterium as cathodic biofilm biocatalyst. ISME Journal, 2020, 14, 1125-1140.	4.4	28
132	Small scale distribution of Al, heavy metals, and PAHs in an aggregated Alpine Podzol. Geoderma, 1996, 71, 19-30.	2.3	27
133	Element storage in native, agri-, and silvicultural ecosystems of the Brazilian savanna. Plant and Soil, 2003, 254, 425-442.	1.8	26
134	Heavy metal distribution in soil aggregates: a comparison of recent and archived aggregates from Russia. Geoderma, 2004, 123, 153-162.	2.3	26
135	Naphthalene production by microorganisms associated with termites: Evidence from a microcosm experiment. Soil Biology and Biochemistry, 2009, 41, 630-639.	4.2	26
136	Method optimization to measure polybrominated diphenyl ether (PBDE) concentrations in soils of Bratislava, Slovakia. Environmental Pollution, 2010, 158, 2208-2217.	3.7	26
137	Stable N isotope composition of nitrate reflects N transformations during the passage of water through a montane rain forest in Ecuador. Biogeochemistry, 2011, 102, 195-208.	1.7	26
138	A novel method to determine trimethylantimony concentrations in plant tissue. Environmental Chemistry, 2016, 13, 919.	0.7	26
139	Sources and fate of polycyclic aromatic compounds (PAHs, oxygenated PAHs and azaarenes) in forest soil profiles opposite of an aluminium plant. Science of the Total Environment, 2018, 630, 83-95.	3.9	26
140	Heavy Metals and Polycyclic Aromatic Hydrocarbons (PAHs) in a Rural Community Leewards of a Waste Incineration Plant. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1997, 160, 369-378.	0.4	25
141	Effect of No-Tillage and Conventional Tillage Systems on the Chemical Composition of Soil Solid Phase and Soil Solution of Brazilian Savanna Oxisols. Journal of Plant Nutrition and Soil Science, 2000, 163, 411-419.	1.1	25
142	Polycyclic aromatic hydrocarbons and trace metal contamination of coastal sediment and biota from Togo. Journal of Environmental Monitoring, 2011, 13, 2033.	2.1	25
143	Selenium Partitioning and Stable Isotope Ratios in Urban Topsoils. Soil Science Society of America Journal, 2011, 75, 1354-1364.	1.2	25
144	Mechanisms behind plant diversity effects on inorganic and organic N leaching from temperate grassland. Biogeochemistry, 2016, 131, 339-353.	1.7	25

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145	Sorption Strength of Persistent Organic Pollutants in Particle-size Fractions of Urban Soils. Soil Science Society of America Journal, 2002, 66, 430.	1.2	25
146	Urban soil contamination in Bangkok: concentrations and patterns of polychlorinated biphenyls (PCBs) in topsoils. Soil Research, 1999, 37, 245.	0.6	24
147	Small Scale Heterogeneity of Soil Chemical Properties. II. Fractions of Aluminum and Heavy Metals. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1994, 157, 459-465.	0.4	23
148	Heavy Metal Concentrations, Partitioning, and Storage in Slovak Forest and Arable Soils Along a Deposition Gradient. Journal of Plant Nutrition and Soil Science, 1999, 162, 223-229.	1.1	23
149	Polycyclic Aromatic Hydrocarbon Storage in a Typical Cerrado of the Brazilian Savanna. Journal of Environmental Quality, 2004, 33, 946.	1.0	23
150	Nutrient Leaching in Oxisols Under Native and Managed Vegetation in Brazil. Soil Science Society of America Journal, 2005, 69, 1152-1161.	1.2	23
151	Distinct carbon sources indicate strong differentiation between tropical forest and farmland bird communities. Oecologia, 2013, 171, 473-486.	0.9	23
152	An empirical perspective for understanding climate change impacts in Switzerland. Regional Environmental Change, 2018, 18, 205-221.	1.4	23
153	Subsoil retention of organic and inorganic nitrogen in a Brazilian savanna Oxisol. Soil Use and Management, 2004, 20, 163-172.	2.6	23
154	Concentrations and forms of heavy metals in Slovak soils. Journal of Plant Nutrition and Soil Science, 2005, 168, 676-686.	1.1	22
155	Properties of dissolved and total organic matter in throughfall, stemflow and forest floor leachate of central European forests. Biogeosciences, 2015, 12, 2695-2706.	1.3	22
156	Time matters for plant diversity effects on nitrate leaching from temperate grassland. Agriculture, Ecosystems and Environment, 2015, 211, 155-163.	2.5	22
157	Polychlorinated biphenyls (PCBs) in bulk soil and particle size separates of soils in a rural community. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1998, 161, 289-295.	0.4	21
158	Isotope ratios of nonexchangeable hydrogen in soils from different climate zones. Geoderma, 2010, 155, 231-241.	2.3	21
159	The use of mycorrhiza for ecoâ€engineering measures in steep alpine environments: effects on soil aggregate formation and fineâ€root development. Earth Surface Processes and Landforms, 2014, 39, 1753-1763.	1.2	21
160	Response of Cu partitioning to flooding: A Î´65Cu approach in a carbonatic alluvial soil. Chemical Geology, 2016, 420, 69-76.	1.4	21
161	A new experimental approach to test why biodiversity effects strengthen as ecosystems age. Advances in Ecological Research, 2019, , 221-264.	1.4	21
162	Smallâ€Scale Variability of Metal Concentrations in Soil Leachates. Soil Science Society of America Journal, 2000, 64, 138-143.	1.2	20

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163	Plant diversity effects on the water balance of an experimental grassland. Ecohydrology, 2014, 7, 1378-1391.	1.1	20
164	A simplified and rapid technique to determine an aggregate stability coefficient in coarse grained soils. Catena, 2015, 127, 170-176.	2.2	20
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