Wolfgang Wilcke

List of Publications by Year in Descending Order

256 papers	10,443 citations	55 h-index	90 g-index
266 ext. papers	12,101 ext. citations	5.4 avg, IF	6.28 L-index

#	Paper	IF	Citations
256	Initial carbonate weathering is linked with vegetation development along a 127-year glacial retreat chronosequence in the subtropical high mountainous Hailuogou region (SW China). *Plant and Soil*, **2022**, 471, 609-628	4.2	
255	Litterfall in Andean Forests: Quantity, Composition, and Environmental Drivers **2021**, 89-110		
254	Global distribution of oxygenated polycyclic aromatic hydrocarbons in mineral topsoils. *Journal of Environmental Quality*, **2021**, 50, 717-729	3.4	1
253	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	4.7	4
252	Biochar amendment did not influence the growth of two tree plantations on nutrient-depleted Ultisols in the south Ecuadorian Amazon region. *Soil Science Society of America Journal*, **2021**, 85, 862-878	2.5	0
251	Land-use intensity and biodiversity effects on infiltration capacity and hydraulic conductivity of grassland soils in southern Germany. *Ecohydrology*, **2021**, 14, e2301	2.5	1
250	Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. *Nature Communications*, **2021**, 12, 4431	17.4	5
249	A 150-year record of black carbon (soot and char) and polycyclic aromatic compounds deposition in Lake Phayao, north Thailand. *Environmental Pollution*, **2021**, 269, 116148	9.3	5
248	Possible application of stable isotope compositions for the identification of metal sources in soil. *Journal of Hazardous Materials*, **2021**, 407, 124812	12.8	24
247	Nutrient cycling drives plant community trait assembly and ecosystem functioning in a tropical mountain biodiversity hotspot. *New Phytologist*, **2021**, 232, 551-566	9.8	2
246	Polycyclic aromatic compounds (PAHs, oxygenated PAHs, nitrated PAHs, and azaarenes) in air from four climate zones of China: Occurrence, gas/particle partitioning, and health risks. *Science of the Total Environment*, **2021**, 786, 147234	10.2	1
245	Incorporation of hydrogen from ambient water into the C-bonded H pool during litter decomposition. *Soil Biology and Biochemistry*, **2021**, 162, 108407	7.5	0
244	Response of water-bound fluxes of potassium, calcium, magnesium and sodium to nutrient additions in an Ecuadorian tropical montane forest. *Forest Ecology and Management*, **2021**, 501, 119661	3.9	0
243	A research framework for projecting ecosystem change in highly diverse tropical mountain ecosystems. *Oecologia*, **2021**, 195, 589-600	2.9	5
242	The biodiversity - N cycle relationship: a 15N tracer experiment with soil from plant mixtures of varying diversity to model N pool sizes and transformation rates. *Biology and Fertility of Soils*, **2020**, 56, 1047-1061	6.1	4
241	Uranium Budget and Leaching in Swiss Agricultural Systems. *Frontiers in Environmental Science*, **2020**, 8,	4.8	4
240	Accounting for multiple ecosystem services in a simulation of land-use decisions: Does it reduce tropical deforestation?. *Global Change Biology*, **2020**, 26, 2403	11.4	28

239	Water and Nutrient Budgets of Organic Layers and Mineral Topsoils Under Tropical Montane Forest in Ecuador in Response to 15 Years of Environmental Change. *Ecological Studies*, **2020**, 565-586	1.1	1
238	From an extremophilic community to an electroautotrophic production strain: identifying a novel Knallgas bacterium as cathodic biofilm biocatalyst. *ISME Journal*, **2020**, 14, 1125-1140	11.9	15
237	Microplate fluorimetric assay of soil leucine aminopeptidase activity: alkalization is not needed before fluorescence reading. *Biology and Fertility of Soils*, **2020**, 56, 281-285	6.1	6
236	Soil microbes become a major pool of biological phosphorus during the early stage of soil development with little evidence of competition for phosphorus with plants. *Plant and Soil*, **2020**, 446, 259-274	4.2	12
235	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	11.5	49
234	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. *Nature Ecology and Evolution*, **2020**, 4, 1602-1611	12.3	30
233	Plant diversity influenced gross nitrogen mineralization, microbial ammonium consumption and gross inorganic N immobilization in a grassland experiment. *Oecologia*, **2020**, 193, 731-748	2.9	10
232	The results of biodiversity-ecosystem functioning experiments are realistic. *Nature Ecology and Evolution*, **2020**, 4, 1485-1494	12.3	31
231	Total organic carbon concentrations in ecosystem solutions of a remote tropical montane forest respond to global environmental change. *Global Change Biology*, **2020**, 26, 6989-7005	11.4	5
230	Temporal Trends of Phosphorus Cycling in a Tropical Montane Forest in Ecuador During 14 Years. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 1370-1386	3.7	12
229	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	4.6	32
228	Visualizing the dynamics of soil aggregation as affected by arbuscular mycorrhizal fungi. *ISME Journal*, **2019**, 13, 1639-1646	11.9	42
227	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	10.2	32
226	Towards the development of general rules describing landscape heterogeneityâ multifunctionality relationships. *Journal of Applied Ecology*, **2019**, 56, 168-179	5.8	26
225	Plant species richness and functional groups have different effects on soil water content in a decade-long grassland experiment. *Journal of Ecology*, **2019**, 107, 127-141	6	42
224	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	10.2	22
223	How plant diversity impacts the coupled water, nutrient and carbon cycles. *Advances in Ecological Research*, **2019**, 61, 185-219	4.6	14
222	A new experimental approach to test why biodiversity effects strengthen as ecosystems age. *Advances in Ecological Research*, **2019**, 221-264	4.6	13

221	Simulating preferential soil water flow and tracer transport using the Lagrangian Soil Water and Solute Transport Model. *Hydrology and Earth System Sciences*, **2019**, 23, 4249-4267	5.5	11
220	The oxygen isotope composition of bioavailable phosphate in soil reflects the oxygen isotope composition in soil water driven by plant diversity effects on evaporation. *Geochimica Et Cosmochimica Acta*, **2019**, 248, 387-399	5.5	8
219	The Fate of Zn in Agricultural Soils: A Stable Isotope Approach to Anthropogenic Impact, Soil Formation, and Soil-Plant Cycling. *Environmental Science & Technology*, **2019**, 53, 4140-4149	10.3	26
218	Emerging investigator series: mercury mobility and methylmercury formation in a contaminated agricultural flood plain: influence of flooding and manure addition. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 2008-2019	4.3	5
217	Plant diversity enhances the natural attenuation of polycyclic aromatic compounds (PAHs and oxygenated PAHs) in grassland soils. *Soil Biology and Biochemistry*, **2019**, 129, 60-70	7.5	30
216	Towards an understanding of the Cd isotope fractionation during transfer from the soil to the cereal grain. *Environmental Pollution*, **2019**, 244, 834-844	9.3	28
215	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	10.2	14
214	Does plant diversity affect the water balance of established grassland systems?. *Ecohydrology*, **2018**, 11, e1945	2.5	5
213	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	10.3	70
212	Zinc isotope fractionation during grain filling of wheat and a comparison of zinc and cadmium isotope ratios in identical soil-plant systems. *New Phytologist*, **2018**, 219, 195-205	9.8	31
211	An empirical perspective for understanding climate change impacts in Switzerland. *Regional Environmental Change*, **2018**, 18, 205-221	4.3	17
210	Release and Biomethylation of Antimony in Shooting Range Soils upon Flooding. *Soil Systems*, **2018**, 2, 34	3.5	10
209	Connecting experimental biodiversity research to real-world grasslands. *Perspectives in Plant Ecology, Evolution and Systematics*, **2018**, 33, 78-88	3	12
208	Biodiversity-multifunctionality relationships depend on identity and number of measured functions. *Nature Ecology and Evolution*, **2018**, 2, 44-49	12.3	85
207	Response of copper concentrations and stable isotope ratios to artificial drainage in a French Retisol. *Geoderma*, **2017**, 300, 44-54	6.7	7
206	Isotopic variation of dissolved and colloidal iron and copper in a carbonatic floodplain soil after experimental flooding. *Chemical Geology*, **2017**, 459, 13-23	4.2	9
205	Phosphorus Release from Mineral Soil by Acid Hydrolysis: Method Development, Kinetics, and Plant Community Composition Effects. *Soil Science Society of America Journal*, **2017**, 81, 1389-1400	2.5	3
204	Root chemistry and soil fauna, but not soil abiotic conditions explain the effects of plant diversity on root decomposition. *Oecologia*, **2017**, 185, 499-511	2.9	11

203	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. *Basic and Applied Ecology*, **2017**, 23, 1-73	3.2	184
202	Aluminum cycling in a tropical montane forest ecosystem in southern Ecuador. *Geoderma*, **2017**, 288, 196-203	6.7	6
201	Biological versus geochemical control and environmental change drivers of the base metal budgets of a tropical montane forest in Ecuador during 15 years. *Biogeochemistry*, **2017**, 136, 167-189	3.8	13
200	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. *Nature*, **2016**, 536, 456-9	50.4	345
199	Does mycorrhizal inoculation improve plant survival, aggregate stability, and fine root development on a coarse-grained soil in an alpine eco-engineering field experiment?. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 2158-2171	3.7	10
198	Base metal fluxes from fig trees to soil on Barro Colorado Island, Panama: potential contribution of the common frugivorous bat Artibeus jamaicensis. *Biogeochemistry*, **2016**, 130, 13-30	3.8	
197	Plant diversity and functional groups affect Si and Ca pools in aboveground biomass of grassland systems. *Oecologia*, **2016**, 182, 277-86	2.9	26
196	Drivers of nitrogen leaching from organic layers in Central European beech forests. *Plant and Soil*, **2016**, 403, 343-360	4.2	5
195	Response of Cu partitioning to flooding: A δ65Cu approach in a carbonatic alluvial soil. *Chemical Geology*, **2016**, 420, 69-76	4.2	18
194	Response of Dissolved Carbon and Nitrogen Concentrations to Moderate Nutrient Additions in a Tropical Montane Forest of South Ecuador. *Frontiers in Earth Science*, **2016**, 4,	3.5	14
193	Long-term effects of plant diversity and composition on plant stoichiometry. *Oikos*, **2016**, 125, 613-621	4	17
192	Reconstruction of atmospheric soot history in inland regions from lake sediments over the past 150 years. *Scientific Reports*, **2016**, 6, 19151	4.9	25
191	Mechanisms behind plant diversity effects on inorganic and organic N leaching from temperate grassland. *Biogeochemistry*, **2016**, 131, 339-353	3.8	19
190	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. *Ecosphere*, **2016**, 7, e01619	3.1	60
189	A novel method to determine trimethylantimony concentrations in plant tissue. *Environmental Chemistry*, **2016**, 13, 919	3.2	16
188	Locally rare species influence grassland ecosystem multifunctionality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	88
187	Cadmium Isotope Fractionation in Soil-Wheat Systems. *Environmental Science & Technology*, **2016**, 50, 9223-31	10.3	77
186	Flooding disturbances increase resource availability and productivity but reduce stability in diverse plant communities. *Nature Communications*, **2015**, 6, 6092	17.4	82

185	Stable isotope ratios of nonexchangeable hydrogen in organic matter of soils and plants along a 2100-km climosequence in Argentina: New insights into soil organic matter sources and transformations?. *Geochimica Et Cosmochimica Acta*, **2015**, 152, 54-71	5.5	7
184	Aluminum toxicity to tropical montane forest tree seedlings in southern Ecuador:. *Plant and Soil*, **2015**, 388, 87-97	4.2	4
183	Time matters for plant diversity effects on nitrate leaching from temperate grassland. *Agriculture, Ecosystems and Environment*, **2015**, 211, 155-163	5.7	17
182	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, 4176-83	10.3	70
181	Stronger association of polycyclic aromatic hydrocarbons with soot than with char in soils and sediments. *Chemosphere*, **2015**, 119, 1335-1345	8.4	40
180	Fast colloidal and dissolved release of trace elements in a carbonatic soil after experimental flooding. *Geoderma*, **2015**, 259-260, 156-163	6.7	22
179	Plant diversity shapes microbe-rhizosphere effects on P mobilisation from organic matter in soil. *Ecology Letters*, **2015**, 18, 1356-65	10	41
178	Properties of dissolved and total organic matter in throughfall, stemflow and forest floor leachate of central European forests. *Biogeosciences*, **2015**, 12, 2695-2706	4.6	20
177	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. *Ecology Letters*, **2015**, 18, 834-843	10	360
176	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, 814-22	10.2	112
175	Polycyclic aromatic hydrocarbons (PAHs) and their derivatives (alkyl-PAHs, oxygenated-PAHs, nitrated-PAHs and azaarenes) in urban road dusts from Xi'an, Central China. *Chemosphere*, **2015**, 134, 512-20	8.4	105
174	A simplified and rapid technique to determine an aggregate stability coefficient in coarse grained soils. *Catena*, **2015**, 127, 170-176	5.8	16
173	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, 135-46	12.9	154
172	The use of mycorrhiza for eco-engineering measures in steep alpine environments: effects on soil aggregate formation and fine-root development. *Earth Surface Processes and Landforms*, **2014**, 39, 1753-1763	3.7	20
171	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, 317-25	10.2	37
170	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	14.6	64
169	Nitrogen and phosphorus additions impact arbuscular mycorrhizal abundance and molecular diversity in a tropical montane forest. *Global Change Biology*, **2014**, 20, 3646-59	11.4	140
168	Plant diversity effects on the water balance of an experimental grassland. *Ecohydrology*, **2014**, 7, n/a-n/a	2.5	10

167	Biodiversity effects on nitrate concentrations in soil solution: a Bayesian model. *Biogeochemistry*, **2014**, 118, 141-157	3.8	12
166	High exchangeable calcium concentrations in soils on Barro Colorado Island, Panama. *Geoderma*, **2014**, 217-218, 212-224	6.7	13
165	A 2600-year record of past polycyclic aromatic hydrocarbons (PAHs) deposition at Holzmaar (Eifel, Germany). *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2014**, 401, 111-121	2.9	21
164	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	8.4	40
163	Microbial formation and degradation of oxygen-containing polycyclic aromatic hydrocarbons (OPAHs) in soil during short-term incubation. *Environmental Pollution*, **2014**, 184, 385-90	9.3	26
162	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	4.2	16
161	Biotic and abiotic properties mediating plant diversity effects on soil microbial communities in an experimental grassland. *PLoS ONE*, **2014**, 9, e96182	3.7	136
160	Soil property and management effects on grassland microbial communities across a latitudinal gradient in Germany. *Applied Soil Ecology*, **2014**, 73, 41-50	5	35
159	PMâ□□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	10.2	227
158	More efficient aboveground nitrogen use in more diverse Central European forest canopies. *Forest Ecology and Management*, **2014**, 313, 274-282	3.9	21
157	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	5.5	23
156	A comparison of the strength of biodiversity effects across multiple functions. *Oecologia*, **2013**, 173, 223-37	2.9	82
155	Tree species and diversity effects on soil water seepage in a tropical plantation. *Forest Ecology and Management*, **2013**, 309, 76-86	3.9	10
154	Distinct carbon sources indicate strong differentiation between tropical forest and farmland bird communities. *Oecologia*, **2013**, 171, 473-86	2.9	17
153	Isotope fractionation of selenium by biomethylation in microcosm incubations of soil. *Chemical Geology*, **2013**, 352, 101-107	4.2	15
152	Optimized demineralization technique for the measurement of stable isotope ratios of nonexchangeable H in soil organic matter. *Environmental Science & Technology*, **2013**, 47, 949-57	10.3	8
151	Isotopes Trace Biogeochemistry and Sources of Cu and Zn in an intertidal soil. *Soil Science Society of America Journal*, **2013**, 77, 680-691	2.5	25
150	The nitrogen cycle of tropical montane forest in Ecuador turns inorganic under environmental change. *Global Biogeochemical Cycles*, **2013**, 27, 1194-1204	5.9	38

149	Short-term response of the Ca cycle of a montane forest in Ecuador to low experimental CaCl2 additions. *Journal of Plant Nutrition and Soil Science*, **2013**, 176, 892-903	2.3	11
148	Phosphate Release Kinetics in Calcareous Grassland and Forest Soils in Response to H+ Addition. *Soil Science Society of America Journal*, **2013**, 77, 2060-2070	2.5	11
147	Biodiversity effects on plant stoichiometry. *PLoS ONE*, **2013**, 8, e58179	3.7	54
146	Current Regulating and Supporting Services: Nutrient Cycles. *Ecological Studies*, **2013**, 141-151	1.1	4
145	Natural Landslides Which Impact Current Regulating Services: Environmental Preconditions and Modeling. *Ecological Studies*, **2013**, 153-170	1.1	2
144	Nutrient Additions Affecting Matter Turnover in Forest and Pasture Ecosystems. *Ecological Studies*, **2013**, 297-313	1.1	2
143	Supporting, Regulating, and Provisioning Hydrological Services. *Ecological Studies*, **2013**, 107-116	1.1	5
142	Current and Future Variations of Nutrient Depositions and Influences on Tree Growth. *Ecological Studies*, **2013**, 287-296	1.1	1
141	Net ammonification as influenced by plant diversity in experimental grasslands. *Soil Biology and Biochemistry*, **2012**, 48, 78-87	7.5	34
140	Nitrogen uptake by grassland communities: contribution of N2 fixation, facilitation, complementarity, and species dominance. *Plant and Soil*, **2012**, 358, 301-322	4.2	44
139	Tropical Andean forests are highly susceptible to nutrient inputs--rapid effects of experimental N and P addition to an Ecuadorian montane forest. *PLoS ONE*, **2012**, 7, e47128	3.7	96
138	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	5.9	77
137	An ecosystem approach to biodiversity effects: Carbon pools in a tropical tree plantation. *Forest Ecology and Management*, **2011**, 261, 1614-1624	3.9	49
136	Stable Cu isotope fractionation in soils during oxic weathering and podzolization. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 3119-3134	5.5	67
135	Does plant diversity influence phosphorus cycling in experimental grasslands?. *Geoderma*, **2011**, 167-168, 178-187	6.7	41
134	Phosphorus partitioning in grassland and forest soils of Germany as related to land-use type, management intensity, and land useâ□elated pH. *Journal of Plant Nutrition and Soil Science*, **2011**, 174, 195-209	2.3	50
133	A method to quantitatively trap volatilized organoselenides for stable selenium isotope analysis. *Journal of Environmental Quality*, **2011**, 40, 1021-7	3.4	7
132	Towards a new generation of high-resolution meteorological input data for small-scale hydrologic modeling. *Journal of Hydrology*, **2011**, 402, 317-332	6	8

131	Oxygen-containing polycyclic aromatic hydrocarbons (OPAHs) in urban soils of Bratislava, Slovakia: patterns, relation to PAHs and vertical distribution. *Environmental Pollution*, **2011**, 159, 539-49	9.3	60
130	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	3.8	24
129	Polycyclic aromatic hydrocarbons and trace metal contamination of coastal sediment and biota from Togo. *Journal of Environmental Monitoring*, **2011**, 13, 2033-41		22
128	Isotope fractionation of selenium during fungal biomethylation by Alternaria alternata. *Environmental Science & Technology*, **2011**, 45, 2670-6	10.3	36
127	Selenium Partitioning and Stable Isotope Ratios in Urban Topsoils. *Soil Science Society of America Journal*, **2011**, 75, 1354-1364	2.5	23
126	Contributions of different parent materials in soils developed from periglacial cover-beds. *European Journal of Soil Science*, **2010**, 61, 844-853	3.4	7
125	Diversity promotes temporal stability across levels of ecosystem organization in experimental grasslands. *PLoS ONE*, **2010**, 5, e13382	3.7	79
124	Analysis of polycyclic aromatic hydrocarbons and their oxygen-containing derivatives and metabolites in soils. *Journal of Environmental Quality*, **2010**, 39, 1349-58	3.4	65
123	Stable Copper Isotopes: A Novel Tool to Trace Copper Behavior in Hydromorphic Soils. *Soil Science Society of America Journal*, **2010**, 74, 60-73	2.5	48
122	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	3.9	39
121	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	5.5	148
120	Isotope ratios of nonexchangeable hydrogen in soils from different climate zones. *Geoderma*, **2010**, 155, 231-241	6.7	16
119	Copper isotope fractionation during complexation with insolubilized humic acid. *Environmental Science & Technology*, **2010**, 44, 5496-502	10.3	87
118	Tree mixture effects on aboveground nutrient pools of trees in an experimental plantation in Panama. *Plant and Soil*, **2010**, 326, 199-212	4.2	32
117	Reply to the comment of Zimmermann et al. (2010) on âSpatial throughfall heterogeneity in a montane rain forest in Ecuador: Extent, temporal stability and driversâ[J. Hydrol. 377 (2009), 71â79]. *Journal of Hydrology*, **2010**, 395, 137-139	6	
116	Contributions of biotic and abiotic factors to soil aggregation across a land use gradient. *Soil Biology and Biochemistry*, **2010**, 42, 2316-2324	7.5	110
115	Method optimization to measure polybrominated diphenyl ether (PBDE) concentrations in soils of Bratislava, Slovakia. *Environmental Pollution*, **2010**, 158, 2208-17	9.3	25
114	Polycyclic aromatic hydrocarbons (PAHs) and their oxygen-containing derivatives (OPAHs) in soils from the Angren industrial area, Uzbekistan. *Environmental Pollution*, **2010**, 158, 2888-99	9.3	71

113	Naphthalene production by microorganisms associated with termites: Evidence from a microcosm experiment. *Soil Biology and Biochemistry*, **2009**, 41, 630-639	7.5	24
112	Spatial throughfall heterogeneity in a montane rain forest in Ecuador: Extent, temporal stability and drivers. *Journal of Hydrology*, **2009**, 377, 71-79	6	38
111	Resources, recruitment limitation and invader species identity determine pattern of spontaneous invasion in experimental grasslands. *Journal of Ecology*, **2009**, 97, 32-47	6	50
110	Response of water and nutrient fluxes to improvement fellings in a tropical montane forest in Ecuador. *Forest Ecology and Management*, **2009**, 257, 1292-1304	3.9	16
109	Influence of modelled soil biogenic NO emissions on related trace gases and the atmospheric oxidizing efficiency. *Atmospheric Chemistry and Physics*, **2009**, 9, 2663-2677	6.8	31
108	Water flow paths in soil control element exports in an Andean tropical montane forest. *European Journal of Soil Science*, **2008**, 59, 1209-1227	3.4	60
107	Tropical Andean forest derives calcium and magnesium from Saharan dust. *Global Biogeochemical Cycles*, **2008**, 22, n/a-n/a	5.9	56
106	Amazonian biomass burning-derived acid and nutrient deposition in the north Andean montane forest of Ecuador. *Global Biogeochemical Cycles*, **2008**, 22, n/a-n/a	5.9	53
105	Nutrient Status and Fluxes at the Field and Catchment Scale. *Ecological Studies*, **2008**, 203-215	1.1	9
104	Plant Growth Along the Altitudinal Gradient â Role of Plant Nutritional Status, Fine Root Activity, and Soil Properties. *Ecological Studies*, **2008**, 259-266	1.1	19
103	Periglacial transport distance of Pb derived from small-scale ore veins in the Rhenish Slate Mountains. *Geoderma*, **2008**, 148, 232-239	6.7	5
102	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	2.3	68
101	Spatial and temporal patterns of throughfall quantity and quality in a tropical montane forest in Ecuador. *Journal of Hydrology*, **2007**, 343, 80-96	6	86
100	Soil and Plant Nitrogen Pools as Related to Plant Diversity in an Experimental Grassland. *Soil Science Society of America Journal*, **2007**, 71, 720-729	2.5	95
99	Nitrogen and phosphorus budgets in experimental grasslands of variable diversity. *Journal of Environmental Quality*, **2007**, 36, 396-407	3.4	49
98	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	7.5	50
97	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	2	40
96	Global patterns of polycyclic aromatic hydrocarbons (PAHs) in soil. *Geoderma*, **2007**, 141, 157-166	6.7	293

95	Water budgets of three small catchments under montane forest in Ecuador: experimental and modelling approach. *Hydrological Processes*, **2006**, 20, 2491-2507	3.3	60
94	Polychlorinated biphenyls (PCBs) in soils of the Moscow region: concentrations and small-scale distribution along an urban-rural transect. *Environmental Pollution*, **2006**, 141, 327-35	9.3	50
93	Subsoil retention of organic and inorganic nitrogen in a Brazilian savanna Oxisol. *Soil Use and Management*, **2006**, 20, 163-172	3.1	3
92	Dissolved Nitrogen, Phosphorus, and Sulfur forms in the Ecosystem Fluxes of a Montane Forest in Ecuador. *Biogeochemistry*, **2006**, 77, 57-89	3.8	55
91	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	6	88
90	Coarse woody debris in a montane forest in Ecuador: mass, C and nutrient stock, and turnover. *Forest Ecology and Management*, **2005**, 205, 139-147	3.9	38
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88	Atmospheric versus biological sources of polycyclic aromatic hydrocarbons (PAHs) in a tropical rain forest environment. *Environmental Pollution*, **2005**, 135, 143-54	9.3	109
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