

Wolfgang Wilcke

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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	The role of biodiversity for element cycling and trophic interactions: an experimental approach in a grassland community. <i>Basic and Applied Ecology</i> , 2004 , 5, 107-121	3.2	452
255	SYNOPSIS Polycyclic Aromatic Hydrocarbons (PAHs) in Soil – Review. <i>Journal of Plant Nutrition and Soil Science</i> , 2000 , 163, 229-248	2.3	446
254	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. <i>Ecology Letters</i> , 2015 , 18, 834-843	10	360
253	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. <i>Nature</i> , 2016 , 536, 456-9	50.4	345
252	Global patterns of polycyclic aromatic hydrocarbons (PAHs) in soil. <i>Geoderma</i> , 2007 , 141, 157-166	6.7	293
251	PM _{2.5} -bound oxygenated PAHs, nitro-PAHs and parent-PAHs from the atmosphere of a Chinese megacity: seasonal variation, sources and cancer risk assessment. <i>Science of the Total Environment</i> , 2014 , 473-474, 77-87	10.2	227
250	Urban soil contamination in Bangkok: heavy metal and aluminium partitioning in topsoils. <i>Geoderma</i> , 1998 , 86, 211-228	6.7	216
249	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. <i>Basic and Applied Ecology</i> , 2017 , 23, 1-73	3.2	184
248	Polycyclic aromatic compounds (PAHs and oxygenated PAHs) and trace metals in fish species from Ghana (West Africa): bioaccumulation and health risk assessment. <i>Environment International</i> , 2014 , 65, 135-46	12.9	154
247	Availability of Polycyclic Aromatic Hydrocarbons (PAHs) and Polychlorinated Biphenyls (PCBs) to Earthworms in Urban Soils. <i>Environmental Science & Technology</i> , 2000 , 34, 4335-4340	10.3	153
246	Stable Cu and Zn isotope ratios as tracers of sources and transport of Cu and Zn in contaminated soil. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 6801-6813	5.5	148
245	Nitrogen and phosphorus additions impact arbuscular mycorrhizal abundance and molecular diversity in a tropical montane forest. <i>Global Change Biology</i> , 2014 , 20, 3646-59	11.4	140
244	Biotic and abiotic properties mediating plant diversity effects on soil microbial communities in an experimental grassland. <i>PLoS ONE</i> , 2014 , 9, e96182	3.7	136
243	Polycyclic aromatic hydrocarbons and polychlorinated biphenyls in forest soils: depth distribution as indicator of different fate. <i>Environmental Pollution</i> , 2000 , 110, 79-88	9.3	127
242	Rainfall interception in a lower montane forest in Ecuador: effects of canopy properties. <i>Hydrological Processes</i> , 2005 , 19, 1355-1371	3.3	124
241	Occurrence, gas/particle partitioning and carcinogenic risk of polycyclic aromatic hydrocarbons and their oxygen and nitrogen containing derivatives in Xi'an, central China. <i>Science of the Total Environment</i> , 2015 , 505, 814-22	10.2	112
240	Contributions of biotic and abiotic factors to soil aggregation across a land use gradient. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 2316-2324	7.5	110

239	Atmospheric versus biological sources of polycyclic aromatic hydrocarbons (PAHs) in a tropical rain forest environment. <i>Environmental Pollution</i> , 2005 , 135, 143-54	9.3	109
238	Polycyclic aromatic hydrocarbons (PAHs) and their derivatives (alkyl-PAHs, oxygenated-PAHs, nitrated-PAHs and azaarenes) in urban road dusts from Xi'an, Central China. <i>Chemosphere</i> , 2015 , 134, 512-20	8.4	105
237	Polycyclic aromatic hydrocarbons in hydromorphic soils of the tropical metropolis Bangkok. <i>Geoderma</i> , 1999 , 91, 297-309	6.7	104
236	Nutrient storage and turnover in organic layers under tropical montane rain forest in Ecuador. <i>European Journal of Soil Science</i> , 2002 , 53, 15-27	3.4	102
235	Tropical Andean forests are highly susceptible to nutrient inputs--rapid effects of experimental N and P addition to an Ecuadorian montane forest. <i>PLoS ONE</i> , 2012 , 7, e47128	3.7	96
234	Soil and Plant Nitrogen Pools as Related to Plant Diversity in an Experimental Grassland. <i>Soil Science Society of America Journal</i> , 2007 , 71, 720-729	2.5	95
233	Carbon isotope signature of polycyclic aromatic hydrocarbons (PAHs): evidence for different sources in tropical and temperate environments?. <i>Environmental Science & Technology</i> , 2002 , 36, 3530-5	10.3	94
232	Polychlorinated naphthalenes in urban soils: analysis, concentrations, and relation to other persistent organic pollutants. <i>Environmental Pollution</i> , 2003 , 122, 75-89	9.3	92
231	Tracing water paths through small catchments under a tropical montane rain forest in south Ecuador by an oxygen isotope approach. <i>Journal of Hydrology</i> , 2005 , 308, 67-80	6	88
230	Locally rare species influence grassland ecosystem multifunctionality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	88
229	Copper isotope fractionation during complexation with insolubilized humic acid. <i>Environmental Science & Technology</i> , 2010 , 44, 5496-502	10.3	87
228	PAH-pools in soils along a PAH-deposition gradient. <i>Environmental Pollution</i> , 1996 , 92, 307-13	9.3	87
227	Spatial and temporal patterns of throughfall quantity and quality in a tropical montane forest in Ecuador. <i>Journal of Hydrology</i> , 2007 , 343, 80-96	6	86
226	Biodiversity-multifunctionality relationships depend on identity and number of measured functions. <i>Nature Ecology and Evolution</i> , 2018 , 2, 44-49	12.3	85
225	Flooding disturbances increase resource availability and productivity but reduce stability in diverse plant communities. <i>Nature Communications</i> , 2015 , 6, 6092	17.4	82
224	A comparison of the strength of biodiversity effects across multiple functions. <i>Oecologia</i> , 2013 , 173, 223-37	2.9	82
223	Persistent Organic Pollutants in Native Grassland Soils along a Climosequence in North America. <i>Soil Science Society of America Journal</i> , 2000 , 64, 2140-2148	2.5	82
222	Diversity promotes temporal stability across levels of ecosystem organization in experimental grasslands. <i>PLoS ONE</i> , 2010 , 5, e13382	3.7	79

221	Plant diversity effects on aboveground and belowground N pools in temperate grassland ecosystems: Development in the first 5 years after establishment. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a	5.9	77
220	Cadmium Isotope Fractionation in Soil-Wheat Systems. <i>Environmental Science & Technology</i> , 2016 , 50, 9223-31	10.3	77
219	Change in water quality during the passage through a tropical montane rain forest in Ecuador. <i>Biogeochemistry</i> , 2001 , 55, 45-72	3.8	76
218	Polycyclic aromatic hydrocarbons (PAHs) and their oxygen-containing derivatives (OPAHs) in soils from the Angren industrial area, Uzbekistan. <i>Environmental Pollution</i> , 2010 , 158, 2888-99	9.3	71
217	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. <i>Environmental Science & Technology</i> , 2015 , 49, 4176-83	10.3	70
216	Fate of Cd in Agricultural Soils: A Stable Isotope Approach to Anthropogenic Impact, Soil Formation, and Soil-Plant Cycling. <i>Environmental Science & Technology</i> , 2018 , 52, 1919-1928	10.3	70
215	Soil properties and tree growth along an altitudinal transect in Ecuadorian tropical montane forest. <i>Journal of Plant Nutrition and Soil Science</i> , 2008 , 171, 220-230	2.3	68
214	Stable Cu isotope fractionation in soils during oxic weathering and podzolization. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 3119-3134	5.5	67
213	Biological Sources of Polycyclic Aromatic Hydrocarbons (PAHs) in the Amazonian Rain Forest. <i>Journal of Plant Nutrition and Soil Science</i> , 2000 , 163, 27-30	2.3	66
212	Analysis of polycyclic aromatic hydrocarbons and their oxygen-containing derivatives and metabolites in soils. <i>Journal of Environmental Quality</i> , 2010 , 39, 1349-58	3.4	65
211	First intercomparison study on the analysis of oxygenated polycyclic aromatic hydrocarbons (oxy-PAHs) and nitrogen heterocyclic polycyclic aromatic compounds (N-PACs) in contaminated soil. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 57, 83-92	14.6	64
210	Chemical fractionation of phosphorus, sulphur, and molybdenum in Brazilian savannah Oxisols under different land use. <i>Geoderma</i> , 2000 , 96, 31-46	6.7	63
209	Soil properties on a chronosequence of landslides in montane rain forest, Ecuador. <i>Catena</i> , 2003 , 53, 79-95	5.8	62
208	Polycyclic aromatic hydrocarbon (PAH) patterns in climatically different ecological zones of Brazil. <i>Organic Geochemistry</i> , 2003 , 34, 1405-1417	3.1	61
207	Predicting heavy metal transfer from soil to plant: potential use of Freundlich-type functions. <i>Journal of Plant Nutrition and Soil Science</i> , 2002 , 165, 3	2.3	61
206	Oxygen-containing polycyclic aromatic hydrocarbons (OPAHs) in urban soils of Bratislava, Slovakia: patterns, relation to PAHs and vertical distribution. <i>Environmental Pollution</i> , 2011 , 159, 539-49	9.3	60
205	Water flow paths in soil control element exports in an Andean tropical montane forest. <i>European Journal of Soil Science</i> , 2008 , 59, 1209-1227	3.4	60
204	Water budgets of three small catchments under montane forest in Ecuador: experimental and modelling approach. <i>Hydrological Processes</i> , 2006 , 20, 2491-2507	3.3	60

203	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. <i>Ecosphere</i> , 2016 , 7, e01619	3.1	60
202	Tropical Andean forest derives calcium and magnesium from Saharan dust. <i>Global Biogeochemical Cycles</i> , 2008 , 22, n/a-n/a	5.9	56
201	Dissolved Nitrogen, Phosphorus, and Sulfur forms in the Ecosystem Fluxes of a Montane Forest in Ecuador. <i>Biogeochemistry</i> , 2006 , 77, 57-89	3.8	55
200	Biodiversity effects on plant stoichiometry. <i>PLoS ONE</i> , 2013 , 8, e58179	3.7	54
199	Amazonian biomass burning-derived acid and nutrient deposition in the north Andean montane forest of Ecuador. <i>Global Biogeochemical Cycles</i> , 2008 , 22, n/a-n/a	5.9	53
198	Phosphorus partitioning in grassland and forest soils of Germany as related to land-use type, management intensity, and land use-related pH. <i>Journal of Plant Nutrition and Soil Science</i> , 2011 , 174, 195-209	2.3	50
197	Resources, recruitment limitation and invader species identity determine pattern of spontaneous invasion in experimental grasslands. <i>Journal of Ecology</i> , 2009 , 97, 32-47	6	50
196	Nitrate leaching in soil: Tracing the NO ₃ sources with the help of stable N and O isotopes. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 3024-3033	7.5	50
195	Polychlorinated biphenyls (PCBs) in soils of the Moscow region: concentrations and small-scale distribution along an urban-rural transect. <i>Environmental Pollution</i> , 2006 , 141, 327-35	9.3	50
194	An ecosystem approach to biodiversity effects: Carbon pools in a tropical tree plantation. <i>Forest Ecology and Management</i> , 2011 , 261, 1614-1624	3.9	49
193	Nitrogen and phosphorus budgets in experimental grasslands of variable diversity. <i>Journal of Environmental Quality</i> , 2007 , 36, 396-407	3.4	49
192	Land-use intensity alters networks between biodiversity, ecosystem functions, and services. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28140-28149	11.5	49
191	Stable Copper Isotopes: A Novel Tool to Trace Copper Behavior in Hydromorphic Soils. <i>Soil Science Society of America Journal</i> , 2010 , 74, 60-73	2.5	48
190	Contamination of highly weathered urban soils in Uberlândia, Brazil. <i>Journal of Plant Nutrition and Soil Science</i> , 1999 , 162, 539-548	2.3	48
189	Nitrogen uptake by grassland communities: contribution of N ₂ fixation, facilitation, complementarity, and species dominance. <i>Plant and Soil</i> , 2012 , 358, 301-322	4.2	44
188	Visualizing the dynamics of soil aggregation as affected by arbuscular mycorrhizal fungi. <i>ISME Journal</i> , 2019 , 13, 1639-1646	11.9	42
187	Plant species richness and functional groups have different effects on soil water content in a decade-long grassland experiment. <i>Journal of Ecology</i> , 2019 , 107, 127-141	6	42
186	Sorption Strength of Persistent Organic Pollutants in Particle-size Fractions of Urban Soils. <i>Soil Science Society of America Journal</i> , 2002 , 66, 430-437	2.5	42

185	Plant diversity shapes microbe-rhizosphere effects on P mobilisation from organic matter in soil. <i>Ecology Letters</i> , 2015 , 18, 1356-65	10	41
184	Does plant diversity influence phosphorus cycling in experimental grasslands?. <i>Geoderma</i> , 2011 , 167-168, 178-187	6.7	41
183	Biomimetic extraction of PAHs and PCBs from soil with octadecyl-modified silica disks to predict their availability to earthworms. <i>Environmental Science & Technology</i> , 2001 , 35, 3931-5	10.3	41
182	Stronger association of polycyclic aromatic hydrocarbons with soot than with char in soils and sediments. <i>Chemosphere</i> , 2015 , 119, 1335-1345	8.4	40
181	Oxygenated polycyclic aromatic hydrocarbons and azaarenes in urban soils: a comparison of a tropical city (Bangkok) with two temperate cities (Bratislava and Gothenburg). <i>Chemosphere</i> , 2014 , 107, 407-414	8.4	40
180	Comparison of Different Techniques for the Measurement of Precipitation in Tropical Montane Rain Forest Regions. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007 , 24, 156-168	2	40
179	Response of the N and P cycles of an old-growth montane forest in Ecuador to experimental low-level N and P amendments. <i>Forest Ecology and Management</i> , 2010 , 260, 1434-1445	3.9	39
178	Nutrient storage in soil and biomass of native Brazilian Cerrado. <i>Journal of Plant Nutrition and Soil Science</i> , 2001 , 164, 487	2.3	39
177	The nitrogen cycle of tropical montane forest in Ecuador turns inorganic under environmental change. <i>Global Biogeochemical Cycles</i> , 2013 , 27, 1194-1204	5.9	38
176	Spatial throughfall heterogeneity in a montane rain forest in Ecuador: Extent, temporal stability and drivers. <i>Journal of Hydrology</i> , 2009 , 377, 71-79	6	38
175	Coarse woody debris in a montane forest in Ecuador: mass, C and nutrient stock, and turnover. <i>Forest Ecology and Management</i> , 2005 , 205, 139-147	3.9	38
174	Polycyclic aromatic hydrocarbons (PAHs) and their polar derivatives (oxygenated PAHs, azaarenes) in soils along a climosequence in Argentina. <i>Science of the Total Environment</i> , 2014 , 473-474, 317-25	10.2	37
173	Isotope fractionation of selenium during fungal biomethylation by <i>Alternaria alternata</i> . <i>Environmental Science & Technology</i> , 2011 , 45, 2670-6	10.3	36
172	Soil acidification in <i>Pinus caribaea</i> forests on Brazilian savanna Oxisols. <i>Forest Ecology and Management</i> , 2000 , 128, 145-157	3.9	36
171	Soil property and management effects on grassland microbial communities across a latitudinal gradient in Germany. <i>Applied Soil Ecology</i> , 2014 , 73, 41-50	5	35
170	Evaluation of Fluoride-Induced Metal Mobilization in Soil Columns. <i>Journal of Environmental Quality</i> , 2000 , 29, 454-459	3.4	35
169	Net ammonification as influenced by plant diversity in experimental grasslands. <i>Soil Biology and Biochemistry</i> , 2012 , 48, 78-87	7.5	34
168	Water and element input into native, agri- and silvicultural ecosystems of the Brazilian savanna. <i>Biogeochemistry</i> , 2004 , 67, 183-212	3.8	34

167	ALUMINUM AND HEAVY METAL PARTITIONING IN A HORIZONS OF SOILS IN COSTA RICAN COFFEE PLANTATIONS. <i>Soil Science</i> , 1998 , 163, 463-471	0.9	34
166	Soil Fertility under Native Cerrado and Pasture in the Brazilian Savanna. <i>Soil Science Society of America Journal</i> , 2003 , 67, 1195-1205	2.5	33
165	Dissolved organic matter characteristics of deciduous and coniferous forests with variable management: different at the source, aligned in the soil. <i>Biogeosciences</i> , 2019 , 16, 1411-1432	4.6	32
164	Using isotopes to trace freshly applied cadmium through mineral phosphorus fertilization in soil-fertilizer-plant systems. <i>Science of the Total Environment</i> , 2019 , 648, 779-786	10.2	32
163	Tree mixture effects on aboveground nutrient pools of trees in an experimental plantation in Panama. <i>Plant and Soil</i> , 2010 , 326, 199-212	4.2	32
162	Zinc isotope fractionation during grain filling of wheat and a comparison of zinc and cadmium isotope ratios in identical soil-plant systems. <i>New Phytologist</i> , 2018 , 219, 195-205	9.8	31
161	Influence of modelled soil biogenic NO emissions on related trace gases and the atmospheric oxidizing efficiency. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 2663-2677	6.8	31
160	DIFFERENCES IN CONCENTRATIONS AND FRACTIONS OF ALUMINUM AND HEAVY METALS BETWEEN AGGREGATE INTERIOR AND EXTERIOR. <i>Soil Science</i> , 1997 , 162, 323-332	0.9	31
159	The results of biodiversity-ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1485-1494	12.3	31
158	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1602-1611	12.3	30
157	Plant diversity enhances the natural attenuation of polycyclic aromatic compounds (PAHs and oxygenated PAHs) in grassland soils. <i>Soil Biology and Biochemistry</i> , 2019 , 129, 60-70	7.5	30
156	Polycyclic aromatic hydrocarbons (PAHs) in soils of the Moscow Region--concentrations, temporal trends, and small-scale distribution. <i>Journal of Environmental Quality</i> , 2005 , 34, 1581-90	3.4	29
155	POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) AND POLYCHLORINATED BIPHENYLS (PCBS) IN PARTICLE-SIZE SEPARATES OF URBAN SOILS IN BANGKOK, THAILAND. <i>Soil Science</i> , 2000 , 165, 412-419	0.9	29
154	Accounting for multiple ecosystem services in a simulation of land-use decisions: Does it reduce tropical deforestation?. <i>Global Change Biology</i> , 2020 , 26, 2403	11.4	28
153	Predicting soil-water partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls by desorption with methanol-water mixtures at different temperatures. <i>Environmental Science & Technology</i> , 2001 , 35, 2319-25	10.3	28
152	Towards an understanding of the Cd isotope fractionation during transfer from the soil to the cereal grain. <i>Environmental Pollution</i> , 2019 , 244, 834-844	9.3	28
151	Forest fertilization with wood ash: effect on the distribution and storage of polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs). <i>Journal of Environmental Quality</i> , 2001 , 30, 1296-304	3.4	27
150	Heavy Metal Release From Soils in Batch pHstat Experiments. <i>Soil Science Society of America Journal</i> , 1999 , 63, 290-296	2.5	27

149	Plant diversity and functional groups affect Si and Ca pools in aboveground biomass of grassland systems. <i>Oecologia</i> , 2016 , 182, 277-86	2.9	26
148	Towards the development of general rules describing landscape heterogeneityâmultifunctionality relationships. <i>Journal of Applied Ecology</i> , 2019 , 56, 168-179	5.8	26
147	Microbial formation and degradation of oxygen-containing polycyclic aromatic hydrocarbons (OPAHs) in soil during short-term incubation. <i>Environmental Pollution</i> , 2014 , 184, 385-90	9.3	26
146	Heavy metal distribution between soil aggregate core and surface fractions along gradients of deposition from the atmosphere. <i>Geoderma</i> , 1998 , 83, 55-66	6.7	26
145	Persistent organic pollutants in soil density fractions: distribution and sorption strength. <i>Chemosphere</i> , 2005 , 59, 1507-15	8.4	26
144	The Fate of Zn in Agricultural Soils: A Stable Isotope Approach to Anthropogenic Impact, Soil Formation, and Soil-Plant Cycling. <i>Environmental Science & Technology</i> , 2019 , 53, 4140-4149	10.3	26
143	Isotopes Trace Biogeochemistry and Sources of Cu and Zn in an intertidal soil. <i>Soil Science Society of America Journal</i> , 2013 , 77, 680-691	2.5	25
142	Method optimization to measure polybrominated diphenyl ether (PBDE) concentrations in soils of Bratislava, Slovakia. <i>Environmental Pollution</i> , 2010 , 158, 2208-17	9.3	25
141	Dissolved organic matter under native Cerrado and Pinus caribaea plantations in the Brazilian savanna. <i>Biogeochemistry</i> , 2004 , 67, 157-182	3.8	25
140	Reconstruction of atmospheric soot history in inland regions from lake sediments over the past 150 years. <i>Scientific Reports</i> , 2016 , 6, 19151	4.9	25
139	Stable N isotope composition of nitrate reflects N transformations during the passage of water through a montane rain forest in Ecuador. <i>Biogeochemistry</i> , 2011 , 102, 195-208	3.8	24
138	Naphthalene production by microorganisms associated with termites: Evidence from a microcosm experiment. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 630-639	7.5	24
137	Effects of Pinus caribaea forests on the C, N, P, and S status of Brazilian savanna Oxisols. <i>Forest Ecology and Management</i> , 2001 , 147, 171-182	3.9	24
136	Possible application of stable isotope compositions for the identification of metal sources in soil. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124812	12.8	24
135	Oxygen isotope ratios ($^{18}O/^{16}O$) of hemicellulose-derived sugar biomarkers in plants, soils and sediments as paleoclimate proxy II: Insight from a climate transect study. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 126, 624-634	5.5	23
134	Selenium Partitioning and Stable Isotope Ratios in Urban Topsoils. <i>Soil Science Society of America Journal</i> , 2011 , 75, 1354-1364	2.5	23
133	Heavy Metals and Polycyclic Aromatic Hydrocarbons (PAHs) in a Rural Community Leewards of a Waste Incineration Plant. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1997 , 160, 369-378		23
132	Effect of No-Tillage and Conventional Tillage Systems on the Chemical Composition of Soil Solid Phase and Soil Solution of Brazilian Savanna Oxisols. <i>Journal of Plant Nutrition and Soil Science</i> , 2000 , 163, 411-419	2.3	23

131	Urban soil contamination in Bangkok: concentrations and patterns of polychlorinated biphenyls (PCBs) in topsoils. <i>Soil Research</i> , 1999 , 37, 245	1.8	23
130	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. <i>Science of the Total Environment</i> , 2019 , 690, 1268-1276	10.2	22
129	Fast colloidal and dissolved release of trace elements in a carbonatic soil after experimental flooding. <i>Geoderma</i> , 2015 , 259-260, 156-163	6.7	22
128	Polycyclic aromatic hydrocarbons and trace metal contamination of coastal sediment and biota from Togo. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 2033-41		22
127	Heavy metal distribution in soil aggregates: a comparison of recent and archived aggregates from Russia. <i>Geoderma</i> , 2004 , 123, 153-162	6.7	22
126	Heavy Metal Release From a Serpentine Soil Using a pH-Stat Technique. <i>Soil Science Society of America Journal</i> , 1995 , 59, 1027-1031	2.5	22
125	Small scale distribution of Al, heavy metals, and PAHs in an aggregated Alpine Podzol. <i>Geoderma</i> , 1996 , 71, 19-30	6.7	22
124	A 2600-year record of past polycyclic aromatic hydrocarbons (PAHs) deposition at Holzmaar (Eifel, Germany). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 401, 111-121	2.9	21
123	More efficient aboveground nitrogen use in more diverse Central European forest canopies. <i>Forest Ecology and Management</i> , 2014 , 313, 274-282	3.9	21
122	Element storage in native, agri-, and silvicultural ecosystems of the Brazilian savanna. <i>Plant and Soil</i> , 2003 , 254, 425-442	4.2	21
121	Small Scale Heterogeneity of Soil Chemical Properties. I. A Technique for Rapid Aggregate Fractionation. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1994 , 157, 453-458		21
120	The use of mycorrhiza for eco-engineering measures in steep alpine environments: effects on soil aggregate formation and fine-root development. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 1753-1763	3.7	20
119	Properties of dissolved and total organic matter in throughfall, stemflow and forest floor leachate of central European forests. <i>Biogeosciences</i> , 2015 , 12, 2695-2706	4.6	20
118	Subsoil retention of organic and inorganic nitrogen in a Brazilian savanna Oxisol. <i>Soil Use and Management</i> , 2004 , 20, 163-172	3.1	20
117	Plant Growth Along the Altitudinal Gradient â Role of Plant Nutritional Status, Fine Root Activity, and Soil Properties. <i>Ecological Studies</i> , 2008 , 259-266	1.1	19
116	Polycyclic aromatic hydrocarbon storage in a typical Cerrado of the Brazilian savanna. <i>Journal of Environmental Quality</i> , 2004 , 33, 946-55	3.4	19
115	Sorption Strength of Persistent Organic Pollutants in Particle-size Fractions of Urban Soils 2002 , 66, 430		19
114	Mechanisms behind plant diversity effects on inorganic and organic N leaching from temperate grassland. <i>Biogeochemistry</i> , 2016 , 131, 339-353	3.8	19

113	Response of Cu partitioning to flooding: A BSCu approach in a carbonatic alluvial soil. <i>Chemical Geology</i> , 2016 , 420, 69-76	4.2	18
112	Heavy Metal Concentrations, Partitioning, and Storage in Slovak Forest and Arable Soils Along a Deposition Gradient. <i>Journal of Plant Nutrition and Soil Science</i> , 1999 , 162, 223-229	2.3	18
111	Time matters for plant diversity effects on nitrate leaching from temperate grassland. <i>Agriculture, Ecosystems and Environment</i> , 2015 , 211, 155-163	5.7	17
110	An empirical perspective for understanding climate change impacts in Switzerland. <i>Regional Environmental Change</i> , 2018 , 18, 205-221	4.3	17
109	Distinct carbon sources indicate strong differentiation between tropical forest and farmland bird communities. <i>Oecologia</i> , 2013 , 171, 473-86	2.9	17
108	Concentrations and forms of heavy metals in Slovak soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2005 , 168, 676-686	2.3	17
107	Nutrient Leaching in Oxisols Under Native and Managed Vegetation in Brazil. <i>Soil Science Society of America Journal</i> , 2005 , 69, 1152-1161	2.5	17
106	Small Scale Heterogeneity of Soil Chemical Properties. II. Fractions of Aluminum and Heavy Metals. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1994 , 157, 459-465		17
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