

## Wilcke - list of publications

January 2017

### a. Dissertation

**Wilcke, W.** (1996): Small-scale chemical heterogeneity in soils. Distribution of aluminum, heavy metals, and polycyclic aromatic hydrocarbons in aggregates. (In German.) *Bayreuther Bodenkundliche Berichte* **48**, 136 p.

### b. Habilitation

**Wilcke, W.** (1999): Pollutants in soils of the temperate and tropical zones – pools, reactivity, trends. Partly in German. Cumulative.

### c. Peer-reviewed original research papers

#### 1994

1. Kayser, A.T., **W. Wilcke**, M. Kaupenjohann & J.D. Joslin (1994): Small-scale heterogeneity of soil chemical properties. I A rapid technique for aggregate fractionation. *Z. Pflanzenernähr. Bodenk.* **157**, 453-458.
2. **Wilcke, W.** & M. Kaupenjohann (1994): Small-scale heterogeneity of soil chemical properties. II Fractions of Al and heavy metals. *Z. Pflanzenernähr. Bodenk.* **157**, 459-465.

#### 1995

3. Kaupenjohann, M. & **W. Wilcke** (1995): Heavy metal release from a serpentine soil using a pH-stat technique. *Soil Sci. Soc. Am. J.* **59**, 1027-1031.

#### 1996

4. Kaiser K. & **W. Wilcke** (1996): Pedogenetic differentiation of soil properties on the aggregate level. (In German.) *Z. Pflanzenernähr. Bodenk.* **159**, 599-603.
5. **Wilcke, W.** & A. Amelung (1996): Small-scale heterogeneity of Al and heavy metals in aggregates along a climatic transect. *Soil Sci. Soc. Am. J.* **60**, 1490-1495.
6. **Wilcke, W.**, R. Bäumler, H. Deschauer, M. Kaupenjohann & W. Zech (1996): Small-scale distribution of Al, heavy metals, and PAHs in an aggregated Alpine Podzol. *Geoderma* **71**, 19-30.
7. **Wilcke, W.**, W. Zech & J. Kobza (1996): PAH pools in soils along a PAH deposition gradient. *Environ. Pollut.* **92**, 307-313.

#### 1997

8. Berghofer, R., **W. Wilcke**, V. Linkeš, O. Nestroy & W. Zech (1997): Changes of Al and heavy metal concentrations in Slovak soils during the last 25 years. *Z. Pflanzenernähr. Bodenk.* **160**, 469-474.
9. Bundt, M., S. Kretschmar, W. Zech & **W. Wilcke** (1997): Seasonal redistribution of manganese in soil aggregates of a Costa Rican coffee field. *Soil Sci.* **162**, 641-647.
10. Bundt, M., S. Kretschmar, W. Zech & **W. Wilcke** (1997): Seasonal dynamics of nutrients in leaves and xylem sap of coffee plants as related to different soil compartments. *Plant Soil* **197**, 157-166.
11. **Wilcke, W.** & M. Kaupenjohann (1997): Differences in concentrations and fractions of Al and heavy metals between aggregate interior and exterior. *Soil Sci.* **162**, 323-332.

12. **Wilcke, W.** & W. Zech (1997): Polycyclic aromatic hydrocarbons (PAHs) in forest floors of the northern Czech mountains. *Z. Pflanzenernähr. Bodenk.* **160**, 369-378.
13. **Wilcke, W.**, W. Amelung & W. Zech (1997): Heavy metals and polycyclic aromatic hydrocarbons (PAHs) in a rural community leewards of a waste incineration plant. *Z. Pflanzenernähr. Bodenk.* **160**, 369-378.

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14. Lilienfein, J., **W. Wilcke**, M.A. Ayarza & W. Zech (1998): Land-use effects on organic carbon, nitrogen, and sulphur concentrations in macroaggregates of differently textured Brazilian Oxisols. *Z. Pflanzenernähr. Bodenk.* **161**, 165-171.
15. Lobe, I., **W. Wilcke**, J. Kobza & W. Zech (1998): Heavy metal contamination of soils in northern Slovakia. *Z. Pflanzenernähr. Bodenk.* **161**, 541-546.
16. **Wilcke, W.** & M. Kaupenjohann (1998): Heavy metal distribution between soil aggregate core and surface fractions along gradients of deposition from the atmosphere. *Geoderma* **83**, 55-66.
17. **Wilcke, W.** & W. Zech (1998): Polychlorinated biphenyls (PCBs) in bulk soil and particle-size separates of soils in a rural community. *Z. Pflanzenernähr. Bodenk.* **161**, 289-295.
18. **Wilcke, W.**, S. Kretzschmar, M. Bundt, G. Saborío & W. Zech (1998): Aluminum and heavy metal partitioning in A horizons of soils in Costa Rican coffee plantations. *Soil Sci.* **163**, 463-471.
19. **Wilcke, W.**, J. Mosbach, J. Kobza & W. Zech (1998): Distribution of Al and heavy metals in bulk soil and aggregates at three sites contaminated by the emissions of a Central Slovak Al smelter. *Water Air Soil Pollut.* **106**, 389-402.
20. **Wilcke, W.**, S. Müller, N. Kanchanakool & Wolfgang Zech (1998): Urban soil contamination in Bangkok: heavy metal and aluminium partitioning in topsoils. *Geoderma* **86**, 211-228.

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21. Lilienfein, J., **W. Wilcke**, M.A. Ayarza, S.d.C. Lima, L. Vilela & W. Zech (1999): Annual course of matric potential in differently used savanna Oxisols, Brazil. *Soil Sci. Soc. Am. J.* **63**, 1778-1785.
22. Schwarz, A., **W. Wilcke**, J. Kobza & W. Zech (1999): Spatial distribution of soil heavy metal concentrations as indicator of pollutant sources at Mount Križna (Great Fatra, central Slovakia). *J. Plant Nutr. Soil Sci.* **162**, 421-428.
23. Schwarz, A., **W. Wilcke**, J. Styk & W. Zech (1999): Heavy metal release from soils in batch pH-stat experiments. *Soil Sci. Soc. Am. J.* **63**, 290-296.
24. **Wilcke, W.**, C. Guschker, J. Kobza & W. Zech (1999): Heavy metal concentrations, partitioning, and storage in Slovak forest and arable soils along a deposition gradient. *J. Plant Nutr. Soil Sci.* **162**, 223-229.
25. **Wilcke, W.**, S. Kretzschmar, M. Bundt & W. Zech (1999): Metal concentrations in aggregate interiors, exteriors, whole aggregates, and bulk of Costa Rican soils. *Soil Sci. Soc. Am. J.* **63**, 1244-1249.
26. **Wilcke, W.**, J. Lilienfein, S. d. C. Lima & W. Zech (1999): Contamination of highly weathered urban soils in Uberlândia, Brazil. *J. Plant Nutr. Soil Sci.* **162**, 539-548.
27. **Wilcke, W.**, S. Müller, N. Kanchanakool & Wolfgang Zech (1999): Urban soil contamination in Bangkok: concentrations and patterns of polychlorinated biphenyls (PCBs) in topsoils. *Austr. J. Soil Res.* **37**, 245-254.
28. **Wilcke, W.**, S. Müller, N. Kanchanakool, C. Niamskul & W. Zech (1999): Polycyclic aromatic hydrocarbons (PAHs) in hydromorphic soils of the tropical metropolis Bangkok. *Geoderma* **91**, 297-309.

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29. Krauss, M., **W. Wilcke** & W. Zech (2000): Polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in forest soils: depth distribution as indicators of different fate. *Environ. Pollut.* **110**, 79-88.
30. Krauss, M., **W. Wilcke** & W. Zech (2000): Availability of polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) to earthworms in urban soils. *Environ. Sci. Technol.* **34**, 4335-4340.
31. Lilienfein, J., **W. Wilcke**, M.A. Ayarza, S.d.C. Lima, L. Vilela & W. Zech (2000): Soil acidification in *Pinus caribaea* forests on Brazilian savanna Oxisols. *For. Ecol. Manage.* **128**, 145-157.
32. Lilienfein, J., **W. Wilcke**, M.A. Ayarza, S.d.C. Lima, L. Vilela & W. Zech (2000): Partitioning of phosphorous, sulphur, and molybdenum in differently used Brazilian savannah Oxisols. *Geoderma* **96**, 31-46.
33. Lilienfein, J., **W. Wilcke**, M.A. Ayarza, S.d.C. Lima, L. Vilela & W. Zech (2000): Nutrient concentrations in soil solution of Brazilian Oxisols under conventional and no tillage during the beginning rainy season. *Austr. J. Soil Res.* **38**, 851-66.
34. Lilienfein, J., **W. Wilcke**, L. Vilela, S.d.C. Lima, R. Thomas & W. Zech (2000): Effect of no-tillage and conventional tillage systems on the chemical composition of soil solid phase and soil solution of Brazilian savanna Oxisols. *J. Plant Nutr. Soil Sci.* **163**, 411-419.
35. Müller, S., **W. Wilcke**, N. Kanchanakool & W. Zech (2000): Polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in particle-size separates of urban soils in Bangkok, Thailand. *Soil Sci.* **165**, 412-419.
36. Totsche, K.U., **W. Wilcke**, M. Körber, J. Kobza & W. Zech (2000): Evaluation of fluoride-induced metal mobilization in soil columns. *J. Environ. Qual.* **29**, 454-459.
37. **Wilcke, W.** (2000): Small-scale variability of metal concentrations in soil leachates. *Soil Sci. Soc. Am. J.* **64**, 138-143.
38. **Wilcke, W.** & W. Amelung (2000): Persistent organic pollutants (POPs) in native grassland soils along a climosequence in North America. *Soil Sci. Soc. Am. J.* **64**, 2140-2148.
39. **Wilcke, W.**, W. Amelung, C. Martius, M.V.B. Garcia & W. Zech (2000): Biological sources of polycyclic aromatic hydrocarbons (PAHs) in the Amazonian rain forest. *J. Plant Nutr. Soil Sci.* **163**, 27-30.
40. **Wilcke, W.**, S. Kretzschmar, M. Bundt, G. Saborío & W. Zech (2000): Depth distribution of aluminum and heavy metals in soils of Costa Rican coffee cultivation areas. *J. Plant Nutr. Soil Sci.* **163**, 499-502.
41. **Wilcke, W.**, K.U. Totsche, M. Körber, J. Kobza & W. Zech (2000): Fluoro-mobilization of metals in a Slovak forest soil affected by the emissions of an aluminum smelter. *J. Plant Nutr. Soil Sci.* **163**, 503-508.

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42. Bundt, M., M. Krauss, P. Blaser & **W. Wilcke** (2001): Forest fertilization with wood ash: effect on the distribution and storage of polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs). *J. Environ. Qual.* **30**, 1296-1304.
43. Krauss, M. & **W. Wilcke** (2001): Predicting soil-water partitioning of polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) by desorption with methanol-water mixtures at different temperatures. *Environ. Sci. Technol.* **35**, 2319-2325.
44. Krauss, M. & **W. Wilcke** (2001): Biomimetic extraction of polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) from soil with octadecyl-modified silica disks to predict their availability to earthworms. *Environ. Sci. Technol.* **35**, 3931-3935.

45. Lilienfein, J. & **W. Wilcke** (2001): Nutrient input from the atmosphere into Brazilian savanna Oxisols under corn. *Soil Sci.* **166**, 391-399.
46. Lilienfein, J., **W. Wilcke**, L. Vilela, S.d.C. Lima, R. Thomas & W. Zech (2001): Effects of *Pinus caribaea* plantations on the C, N, P, and S status of Brazilian savanna Oxisols. *For. Ecol. Manage.* **147**, 171-182.
47. Lilienfein, J., **W. Wilcke**, R. Zimmermann, P. Gerstberger, G.M. Araújo & W. Zech (2001): Nutrient storage in soil and biomass of native Brazilian Cerrado. *J. Plant Nutr. Soil Sci.* **164**, 487-495.
48. Müller, S., **W. Wilcke**, N. Kanchanakool & W. Zech (2001): Polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in density fractions of urban soils in Bangkok, Thailand. *Soil Sci.* **166**, 672-680.
49. **Wilcke, W.**, M. Krauss, J. Kobza & W. Zech (2001): Quantification of anthropogenic lead in Slovak forest and arable soils along a deposition gradient with stable lead isotope ratios. *J. Plant Nutr. Soil Sci.* **164**, 303-307.
50. **Wilcke, W.**, S. Yasin, C. Valarezo & W. Zech (2001): Nutrient budget of three microcatchments under tropical montane rain forest in Ecuador – preliminary results. *Die Erde* **132**, 61-74.
51. **Wilcke, W.**, S. Yasin, C. Valarezo & W. Zech (2001): Change in water quality during the passage through a tropical montane rain forest in Ecuador. *Biogeochemistry* **55**, 45-72.

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52. Krauss, M. & **W. Wilcke** (2002): Sorption strength of persistent organic pollutants in particle-size fractions of urban soils. *Soil Sci. Soc. Am. J.* **66**, 430-437.
53. Krauss, M., **W. Wilcke**, J. Kobza & W. Zech (2002): Predicting heavy metal transfer from soil to plant: potential use of Freundlich-type functions. *J. Plant Nutr. Soil Sci.* **165**, 3-8.
54. Krauss, M. & **W. Wilcke** (2002): Photochemical oxidation of polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in soils - a tool to assess their degradability? *J. Plant Nutr. Soil Sci.* **165**, 173-178.
55. **Wilcke, W.**, R. Bol & W. Amelung (2002): Fate of dung-applied copper in a British grassland soil. *Geoderma* **106**, 273-288.
56. **Wilcke, W.** & J. Lilienfein (2002): Biogeochemical consequences of the transformation of native Cerrado into *Pinus caribaea* plantations in Brazil. *Plant Soil* **238**, 175-189.
57. **Wilcke, W.**, M. Krauss & W. Amelung (2002): Carbon isotope signature of polycyclic aromatic hydrocarbons (PAHs): Evidence for different sources in tropical and temperate environments? *Environ. Sci. Technol.* **26**, 3530-3535.
58. **Wilcke, W.**, S. Yasin, U. Abramowski, C. Valarezo & W. Zech (2002): Nutrient storage and turnover in organic layers under tropical montane rain forest in Ecuador. *Eur. J. Soil Sci.* **53**, 15-27.

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59. Krauss, M. & **W. Wilcke** (2003): Polychlorinated naphthalenes in urban soils: analysis, concentrations, and relations to other persistent organic pollutants. *Environ. Pollut.* **122**, 75-89.
60. Lilienfein, J. & **W. Wilcke** (2003): Element storage in native, agri-, and silvicultural ecosystems of the Brazilian savanna – I. Biomass, carbon, nitrogen, phosphorus, and sulfur. *Plant Soil* **254**, 425-442.
61. Lilienfein, J., **W. Wilcke**, L. Vilela, M.A. Ayarza, S.d.C. Lima & W. Zech (2003): Soil fertility under native Cerrado and pasture in the Brazilian savanna. *Soil Sci. Soc. Am. J.* **67**, 1195-1205.

62. **Wilcke, W.**, W. Amelung, M. Krauss, C. Martius, A. Bandeira & M. Garcia (2003): Polycyclic aromatic hydrocarbon (PAH) patterns in climatically different ecological zones of Brazil. *Org. Geochem.* **34**, 1405-1417.
63. **Wilcke, W.**, M. Krauss & G. Barančíková (2003): Persistent organic pollutant concentrations in air- and freeze-dried compared to field-fresh extracted soil samples of an eastern Slovak deposition gradient. *J. Plant Nutr. Soil Sci.* **166**, 93-101.
64. **Wilcke, W.**, H. Valladarez, R. Stoyan, S. Yasin, C. Valarezo & W. Zech (2003): Soil properties on a chronosequence of landslides in montane rain forest, Ecuador. *Catena* **53**, 79-95.

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65. Ciglasch, H., J. Lilienfein, K. Kaiser & **W. Wilcke** (2004): Dissolved organic matter under native Cerrado and *Pinus caribaea* plantations in the Brazilian savanna. *Biogeochemistry* **67**, 157-182.
66. Ilg, K., **W. Wilcke**, G. Safronov, F. Lang, A. Fokin & M. Kaupenjohann (2004): Heavy metal distribution in soil aggregates: a comparison of recent and archived aggregates from Russia. *Geoderma* **123**, 153-162.
67. Lehmann, J., J. Lilienfein, K. Rebel, S.d.C. Lima & **W. Wilcke** (2004): Subsoil retention of organic and inorganic nitrogen in a Brazilian savanna Oxisol. *Soil Use Manage.* **20**, 163-172.
68. Lilienfein, J. & **W. Wilcke** (2004): Water and element input into native, agri- and silvicultural ecosystems of the Brazilian savanna. *Biogeochemistry* **67**, 183-212.
69. Roscher, C., J. Schumacher, J. Baade, **W. Wilcke**, G. Gleixner, W. Weisser, B. Schmid & E.-D. Schulze (2004): The role of biodiversity for element cycling and trophic interactions: an experimental approach in a grassland community. *Basic Appl. Ecol.* **5**, 107-121.
70. **Wilcke, W.** & J. Lilienfein (2004): Element storage in native, agri-, and silvicultural ecosystems of the Brazilian savanna – II. Metals. *Plant Soil* **258**, 31-41.
71. **Wilcke, W.** & J. Lilienfein (2004): Soil <sup>13</sup>C natural abundance under native and managed vegetation in Brazil. *Soil Sci. Soc. Am. J.* **68**, 827-832.
72. **Wilcke, W.**, M. Krauss, J. Lilienfein & W. Amelung (2004): Polycyclic aromatic hydrocarbon storage in a typical Cerrado of the Brazilian savanna. *J. Environ. Qual.* **33**, 946-955.

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73. Fleischbein, K., **W. Wilcke**, R. Goller, C. Valarezo, W. Zech & K. Knoblich (2005): Rainfall interception in a lower montane forest in Ecuador: effects of canopy properties. *Hydrol. Proc.* **19**, 1355-1371.
74. Goller, R., **W. Wilcke**, M. Leng, H.J. Tobschall, K. Wagner, C. Valarezo & W. Zech (2005): Tracing water paths through small catchments under a tropical montane rain forest in south Ecuador by an oxygen isotope approach. *J. Hydrol.* **308**, 67-80.
75. Krauss, M. & **W. Wilcke** (2005): Persistent organic pollutants in soil density fractions: distribution and sorption strength. *Chemosphere* **59**, 1507-1515.
76. Krauss, M., **W. Wilcke**, C. Martius, A.G. Bandeira, M.V.B. Garcia & W. Amelung (2005): Atmospheric versus biological sources of polycyclic aromatic hydrocarbons (PAHs) in a tropical rain forest environment. *Environ. Pollut.* **135**, 143-154.
77. Oelmann, Y., **W. Wilcke** & R. Bol (2005): Nitrogen-15 in NO<sub>3</sub><sup>-</sup> characterises differently reactive soil organic N pools. *Rapid Commun. Mass Spectr.* **19**, 3177-3181.
78. **Wilcke, W.** & J. Lilienfein (2005): Nutrient leaching in Oxisols under native and managed vegetation in Brazil. *Soil Sci. Soc. Am. J.* **69**, 1152-1161.

79. **Wilcke, W.**, T. Hess, C. Bengel, J. Homeier, C. Valarezo & W. Zech (2005): Coarse woody debris in a montane forest in Ecuador: mass, C and nutrient stock, and turnover. *For. Ecol. Manage.* **205**, 139-147.
80. **Wilcke, W.**, M. Krauss & J. Kobza (2005): Concentrations and forms of heavy metals in Slovak soils. *J. Plant Nutr. Soil Sci.* **168**, 676-686.
81. **Wilcke, W.**, M. Krauss, G. Safronov, A.D. Fokin und M. Kaupenjohann (2005): Polycyclic aromatic hydrocarbons (PAHs) in soils of the Moscow region - concentrations, temporal trends, small-scale distribution - *J. Environ. Qual.* **34**, 1581-1590.

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82. Fleischbein, K., **W. Wilcke**, C. Valarezo, W. Zech & K. Knoblich (2006): Water budget of three small catchments under montane forest in Ecuador. *Hydrol. Proc.* **20**, 2491-2507.
83. Goller, R., **W. Wilcke**, K. Fleischbein, C. Valarezo & W. Zech (2006): Dissolved inorganic nitrogen, phosphorus, and sulfur in the nutrient cycle of a montane forest in Ecuador. *Biogeochemistry* **77**, 57-89.
84. **Wilcke, W.**, M. Krauss, G. Safronov, A.D. Fokin & M. Kaupenjohann (2006): Polychlorinated biphenyls (PCBs) in soils of the Moscow region: concentrations and small-scale distribution along a rural-urban transect. *Environ. Pollut.* **141**, 327-335.

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85. Oelmann, Y., Y. Kreutziger, R. Bol & **W. Wilcke** (2007): Nitrate leaching in soil: tracing the NO<sub>3</sub><sup>-</sup> sources with the help of stable N and O isotopes. *Soil Biol. Biochem.* **39**, 3024-3033.
86. Oelmann, Y., Y. Kreutziger, V.M. Temperton, N. Buchmann, C. Roscher, J. Schumacher, E.-D. Schulze, W. W. Weisser & **W. Wilcke** (2007): Nitrogen and phosphorus budgets in experimental grasslands of variable diversity. *J. Environ. Qual.* **36**, 396-407.
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88. Rollenbeck, R., J. Bendix, P. Fabian, J. Boy, H. Dalitz, P. Emck, M. Oesker & **W. Wilcke** (2007): Comparison of different techniques for the measurement of precipitation in tropical montane rain forest regions. *J. Atmos. Ocean. Tech.* **24**, 156-168.
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91. Boy, J., R. Rollenbeck, C. Valarezo & **W. Wilcke** (2008): Amazonian biomass burning-derived acid and nutrient deposition in the north Andean montane forest of Ecuador. *Glob. Biogeochem. Cycle* **22**, GB4011, doi:10.1029/2007GB003158.
92. Boy, J., C. Valarezo & **W. Wilcke** (2008): Water flow paths in soil control element exports in an Andean tropical montane forest. *Eur. J. Soil Sci.* **59**, 1209-1227, doi: 10.1111/j.1365.2389.2008.01063.x.
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94. **Wilcke, W.**, Y. Oelmann, A. Schmitt, C. Valarezo, W. Zech & J. Homeier (2008): Soil properties and tree growth along an altitudinal transect in Ecuadorian tropical montane forest. *J. Plant Nutr. Soil Sci.* **171**, 220-230, doi: 10.1002/jpln.200625210.

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### 2009

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95. Bandowe, B.A.M., D. Rückamp, M. Bragança, V. Laabs, W. Amelung, C. Martius & **W. Wilcke** (2009): Naphthalene production by microorganisms associated with termites: evidence from a microcosm experiment. *Soil Biol. Biochem.* **41**, 630-639, doi: 10.1016/j.soilbio.2008.12.029.
96. Roscher, C., H. Beßler, Y. Oelmann, C. Engels, **W. Wilcke** & E.-D. Schulze (2009): Resources, recruitment limitation and invader species identity determine pattern of spontaneous invasion in experimental grasslands. *J. Ecol.* **97**, 32-47, doi: 10.1111/j.1365-2745.2008.01451.x.
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98. **Wilcke, W.**, S. Günter, F. Alt, C. Geißler, J. Boy, J. Knuth, Y. Oelmann, M. Weber, C. Valarezo & R. Mosandl (2009): Response of water and nutrient fluxes to improvement fellings in a tropical montane forest in Ecuador. *For. Ecol. Manage.* **257**, 1292-1304, doi: 10.1016/j.foreco.2008.11.036.
99. Wullaert, H., T. Pohlert, J. Boy, C. Valarezo & **W. Wilcke** (2009): Spatial throughfall heterogeneity in a montane rain forest in Ecuador: Extent, temporal stability and drivers. *J. Hydrol.* **377**, 71-79, doi:10.1016/j.jhydrol.2009.08.001.  
 Reply to the comment of Zimmermann et al. on "Spatial throughfall heterogeneity in a montane rain forest in Ecuador: extent, temporal stability and drivers" [*J. Hydrol.* 377 (2009), 71-79], *J. Hydrol.* **395**, 137-139, published online on 11/10/2010, doi:10.1016/j.jhydrol.2010.10.007.

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### 2010

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100. Bandowe, B.A.M. & **W. Wilcke** (2010): Analysis of polycyclic aromatic hydrocarbons and their oxygen-containing derivatives and metabolites in soils. *J. Environ. Qual.* **39**, 1349-1358, published online on 16/04/2010, doi: 10.2134/jeq2009.0298.
101. Bandowe, B.A.M., N. Shukurov, M. Kersten & **W. Wilcke** (2010): Polycyclic aromatic hydrocarbons and their oxygen-containing derivatives (OPAHs) in soils from the Angren industrial area, Uzbekistan, *Environ. Pollut.* **158**, 2888-2899, published online on 14/07/2010, doi: 10.1016/j.envpol.2010.06.012.
102. Barto, K., F. Alt, Y. Oelmann, **W. Wilcke** & M. Rillig (2010): Contributions of biotic and abiotic factors to soil aggregation across a land-use gradient. *Soil Biol. Biochem.* **42**, 2316-2324, published online on 20/09/2010, doi: 10.1016/j.soilbio.2010.09.008.
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104. Bigalke, M., S. Weyer & **W. Wilcke** (2010): Copper isotope fractionation during complexation with insolubilized humic acid. *Environ. Sci. Technol.* **44**, 5496-5502, published online on 17/06/2010, doi: 10.1021/es1017653.
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