

Moritz Bigalke

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5646990/moritz-bigalke-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,715
citations

18
h-index

41
g-index

55
ext. papers

2,231
ext. citations

6.6
avg, IF

5.6
L-index

#	Paper	IF	Citations
49	Microplastics in Swiss Floodplain Soils. <i>Environmental Science & Technology</i> , 2018 , 52, 3591-3598	10.3	476
48	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
47	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
46	Accumulation of cadmium and uranium in arable soils in Switzerland. <i>Environmental Pollution</i> , 2017 , 221, 85-93	9.3	92
45	Copper isotope fractionation during complexation with insolubilized humic acid. <i>Environmental Science & Technology</i> , 2010 , 44, 5496-502	10.3	87
44	Cadmium Isotope Fractionation in Soil-Wheat Systems. <i>Environmental Science & Technology</i> , 2016 , 50, 9223-31	10.3	77
43	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
42	Stable Cu isotope fractionation in soils during oxic weathering and podzolization. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 3119-3134	5.5	67
41	A method for extracting soil microplastics through circulation of sodium bromide solutions. <i>Science of the Total Environment</i> , 2019 , 691, 341-347	10.2	66
40	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
39	Visualizing the dynamics of soil aggregation as affected by arbuscular mycorrhizal fungi. <i>ISME Journal</i> , 2019 , 13, 1639-1646	11.9	42
38	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
37	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
36	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
35	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
34	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
33	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

32	Response of Cu partitioning to flooding: A $\delta^{65}\text{Cu}$ approach in a carbonatic alluvial soil. <i>Chemical Geology</i> , 2016 , 420, 69-76	4.2	18
31	An empirical perspective for understanding climate change impacts in Switzerland. <i>Regional Environmental Change</i> , 2018 , 18, 205-221	4.3	17
30	Uranium in agricultural soils and drinking water wells on the Swiss Plateau. <i>Environmental Pollution</i> , 2018 , 233, 943-951	9.3	16
29	Aluminum toxicity to tropical montane forest tree seedlings in southern Ecuador: response of biomass and plant morphology to elevated Al concentrations. <i>Plant and Soil</i> , 2014 , 382, 301-315	4.2	16
28	Sources and fate of polycyclic aromatic compounds (PAHs, oxygenated PAHs and azaarenes) in forest soil profiles opposite of an aluminium plant. <i>Science of the Total Environment</i> , 2018 , 630, 83-95	10.2	14
27	Biological versus geochemical control and environmental change drivers of the base metal budgets of a tropical montane forest in Ecuador during 15 years. <i>Biogeochemistry</i> , 2017 , 136, 167-189	3.8	13
26	Temporal Trends of Phosphorus Cycling in a Tropical Montane Forest in Ecuador During 14 Years. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 1370-1386	3.7	12
25	Short-term response of the Ca cycle of a montane forest in Ecuador to low experimental CaCl_2 additions. <i>Journal of Plant Nutrition and Soil Science</i> , 2013 , 176, 892-903	2.3	11
24	Analytical Methods for Microplastics in Environments: Current Advances and Challenges. <i>Handbook of Environmental Chemistry</i> , 2020 , 3-24	0.8	11
23	Isotopic variation of dissolved and colloidal iron and copper in a carbonatic floodplain soil after experimental flooding. <i>Chemical Geology</i> , 2017 , 459, 13-23	4.2	9
22	Geochemical and hydrological controls of arsenic concentrations across the sediment-water interface at Maharlu Lake, Southern Iran. <i>Applied Geochemistry</i> , 2019 , 102, 88-101	3.5	8
21	Sorption kinetics of isotopically labelled divalent mercury (Hg) in soil. <i>Chemosphere</i> , 2019 , 221, 193-202	8.4	8
20	Response of copper concentrations and stable isotope ratios to artificial drainage in a French Retisol. <i>Geoderma</i> , 2017 , 300, 44-54	6.7	7
19	An Isotopic Dilution Approach for Quantifying Mercury Lability in Soils. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 556-561	11	7
18	Specific and conserved patterns of microbiota-structuring by maize benzoxazinoids in the field. <i>Microbiome</i> , 2021 , 9, 103	16.6	7
17	Characterizing Major Controls on Spatial and Seasonal Variations in Chemical Composition of Surface and Pore Brine of Maharlu Lake, Southern Iran. <i>Aquatic Geochemistry</i> , 2018 , 24, 27-54	1.7	6
16	Aluminum cycling in a tropical montane forest ecosystem in southern Ecuador. <i>Geoderma</i> , 2017 , 288, 196-203	6.7	6
15	Tracing the fate of phosphorus fertilizer derived cadmium in soil-fertilizer-wheat systems using enriched stable isotope labeling. <i>Environmental Pollution</i> , 2021 , 287, 117314	9.3	6

14	Variations of sedimentary Fe and Mn fractions under changing lake mixing regimes, oxygenation and land surface processes during Late-glacial and Holocene times. <i>Science of the Total Environment</i> , 2021 , 755, 143418	10.2	5
13	Aluminum toxicity to tropical montane forest tree seedlings in southern Ecuador.: <i>Plant and Soil</i> , 2015 , 388, 87-97	4.2	4
12	Uranium Budget and Leaching in Swiss Agricultural Systems. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	4
11	250-year records of mercury and trace element deposition in two lakes from Cajas National Park, SW Ecuadorian Andes. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 16227-16243	5.1	4
10	Micro- and Nanoplastic Analysis in Soils. <i>Chimia</i> , 2018 , 72, 901	1.3	4
9	Foreword to the research front on 'Microplastics in Soils'. <i>Environmental Chemistry</i> , 2019 , 16, 1	3.2	3
8	Early diagenetic behavior of arsenic in the sediment of the hypersaline Maharlu Lake, southern Iran. <i>Chemosphere</i> , 2019 , 237, 124465	8.4	3
7	Corrigendum to: Foreword to the research front on 'Microplastics in Soils' <i>Environmental Chemistry</i> , 2019 , 16, 149	3.2	1
6	Identification and characterisation of individual nanoplastics by scanning transmission X-ray microscopy (STXM). <i>Journal of Hazardous Materials</i> , 2021 , 426, 127804	12.8	1
5	Global distribution of oxygenated polycyclic aromatic hydrocarbons in mineral topsoils. <i>Journal of Environmental Quality</i> , 2021 , 50, 717-729	3.4	1
4	Soil Contamination with Trace Metals: Quantification, Speciation, and Source Identification. <i>Chimia</i> , 2016 , 70, 899	1.3	1
3	A Systematic Analysis of Metal and Metalloid Concentrations in Eight Zebrafish Recirculating Water Systems. <i>Zebrafish</i> , 2021 , 18, 252-264	2	0
2	Microplastics in agricultural drainage water: A link between terrestrial and aquatic microplastic pollution. <i>Science of the Total Environment</i> , 2022 , 806, 150709	10.2	0
1	Cadmium isotope fractionation in an intertidal soil induced by tidal pumping. <i>Environmental Advances</i> , 2022 , 8, 100182	3.5	