Danuta Kaczorek

List of Publications by Year
in descending order

23	1,289	567281 15	713466 21
papers	citations	h-index	g-index

23	23	23	1052
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biological impacts on silicon availability and cycling in agricultural plant-soil systems. , 2022, , 309-324.		2
2	Auto-Fluorescence in Phytolithsâ€"A Mechanistic Understanding Derived From Microscopic and Spectroscopic Analyses. Frontiers in Environmental Science, 2022, 10, .	3.3	5
3	Silicon Cycling in Soils Revisited. Plants, 2021, 10, 295.	3.5	105
4	Silicon in the Soilâ€"Plant Continuum: Intricate Feedback Mechanisms within Ecosystems. Plants, 2021, 10, 652.	3.5	59
5	Spatial patterns of aboveground phytogenic Si stocks in a grass-dominated catchment â€" results from UAS-based high-resolution remote sensing. Biogeosciences, 2021, 18, 5163-5183.	3.3	6
6	Crop straw recycling prevents anthropogenic desilication of agricultural soilâ€"plant systems in the temperate zone â€" Results from a long-term field experiment in NE Germany. Geoderma, 2021, 403, 115187.	5.1	25
7	Silica fertilization improved wheat performance and increased phosphorus concentrations during drought at the field scale. Scientific Reports, 2021, 11, 20852.	3.3	13
8	Silicon uptake and isotope fractionation dynamics by crop species. Biogeosciences, 2020, 17, 6475-6490.	3.3	13
9	Effects of phytolith distribution and characteristics on extractable silicon fractions in soils under different vegetation â€" An exploratory study on loess. Geoderma, 2019, 356, 113917.	5.1	29
10	Biogenic Siliceous Features. , 2018, , 157-176.		6
11	How big is the influence of biogenic silicon pools on short-term changes in water-soluble silicon in soils? Implications from a study of a 10-year-old soilâ€"plant system. Biogeosciences, 2017, 14, 5239-5252.	3.3	42
12	As time goes byâ€"Spatiotemporal changes of biogenic Si pools in initial soils of an artificial catchment in NE Germany. Applied Soil Ecology, 2016, 105, 9-16.	4.3	21
13	The protozoic Si pool in temperate forest ecosystems â€" Quantification, abiotic controls and interactions with earthworms. Geoderma, 2015, 243-244, 196-204.	5.1	65
14	Dynamics and drivers of the protozoic Si pool along a 10-year chronosequence of initial ecosystem states. Ecological Engineering, 2014, 70, 477-482.	3.6	38
15	Si cycling in a forest biogeosystem â€" the importance of transient state biogenic Si pools. Biogeosciences, 2013, 10, 4991-5007.	3.3	104
16	Testate amoebae in 31 mature forest ecosystems â€" Densities and micro-distribution in soils. European Journal of Protistology, 2012, 48, 161-168.	1.5	21
17	Micrometer silicon isotope diagnostics of soils by UV femtosecond laser ablation. Chemical Geology, 2011, , .	3.3	10
18	Content and Binding Forms of Heavy Metals, Aluminium and Phosphorus in Bog Iron Ores from Poland. Journal of Environmental Quality, 2009, 38, 1109-1119.	2.0	9

#	Article	IF	Citations
19	Silicon fractions in Histosols and Gleysols of a temperate grassland site. Journal of Plant Nutrition and Soil Science, 2008, 171, 409-418.	1.9	30
20	Assessing the extraction and quantification of amorphous silica in soils of forest and grassland ecosystems. European Journal of Soil Science, 2007, 58, 1446-1459.	3.9	136
21	Silicon pools and fluxes in soils and landscapesâ€"a review. Journal of Plant Nutrition and Soil Science, 2006, 169, 310-329.	1.9	474
22	A comparative micromorphological and chemical study of â€œRaseneisensteinâ€•(bog iron ore) and â€œOrtsteinâ€• Geoderma, 2004, 121, 83-94.	5.1	38
23	Micromorphology, chemistry, and mineralogy of bog iron ores from Poland. Catena, 2003, 54, 393-402.	5.0	38