

# Danuta Kaczorek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5771482/publications.pdf>

Version: 2024-02-01

23  
papers

1,289  
citations

567281

15  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1052  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon pools and fluxes in soils and landscapes—a review. <i>Journal of Plant Nutrition and Soil Science</i> , 2006, 169, 310-329.	1.9	474
2	Assessing the extraction and quantification of amorphous silica in soils of forest and grassland ecosystems. <i>European Journal of Soil Science</i> , 2007, 58, 1446-1459.	3.9	136
3	Silicon Cycling in Soils Revisited. <i>Plants</i> , 2021, 10, 295.	3.5	105
4	Si cycling in a forest biogeosystem—the importance of transient state biogenic Si pools. <i>Biogeosciences</i> , 2013, 10, 4991-5007.	3.3	104
5	The protozoic Si pool in temperate forest ecosystems—Quantification, abiotic controls and interactions with earthworms. <i>Geoderma</i> , 2015, 243-244, 196-204.	5.1	65
6	Silicon in the Soil—Plant Continuum: Intricate Feedback Mechanisms within Ecosystems. <i>Plants</i> , 2021, 10, 652.	3.5	59
7	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 soil—plant system. <i>Biogeosciences</i> , 2017, 14, 5239-5252.	3.3	42
8	Micromorphology, chemistry, and mineralogy of bog iron ores from Poland. <i>Catena</i> , 2003, 54, 393-402.	5.0	38
9	A comparative micromorphological and chemical study of Raseneisenstein (bog iron ore) and Ortstein. <i>Geoderma</i> , 2004, 121, 83-94.	5.1	38
10	Dynamics and drivers of the protozoic Si pool along a 10-year chronosequence of initial ecosystem states. <i>Ecological Engineering</i> , 2014, 70, 477-482.	3.6	38
11	Silicon fractions in Histosols and Gleysols of a temperate grassland site. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 409-418.	1.9	30
12	Effects of phytolith distribution and characteristics on extractable silicon fractions in soils under different vegetation—An exploratory study on loess. <i>Geoderma</i> , 2019, 356, 113917.	5.1	29
13	Crop straw recycling prevents anthropogenic desilication of agricultural soil—plant systems in the temperate zone—Results from a long-term field experiment in NE Germany. <i>Geoderma</i> , 2021, 403, 115187.	5.1	25
14	Testate amoebae in 31 mature forest ecosystems—Densities and micro-distribution in soils. <i>European Journal of Protistology</i> , 2012, 48, 161-168.	1.5	21
15	As time goes by—Spatiotemporal changes of biogenic Si pools in initial soils of an artificial catchment in NE Germany. <i>Applied Soil Ecology</i> , 2016, 105, 9-16.	4.3	21
16	Silicon uptake and isotope fractionation dynamics by crop species. <i>Biogeosciences</i> , 2020, 17, 6475-6490.	3.3	13
17	Silica fertilization improved wheat performance and increased phosphorus concentrations during drought at the field scale. <i>Scientific Reports</i> , 2021, 11, 20852.	3.3	13
18	Micrometer silicon isotope diagnostics of soils by UV femtosecond laser ablation. <i>Chemical Geology</i> , 2011, . .	3.3	10

#	ARTICLE	IF	CITATIONS
19	Content and Binding Forms of Heavy Metals, Aluminium and Phosphorus in Bog Iron Ores from Poland. <i>Journal of Environmental Quality</i> , 2009, 38, 1109-1119.	2.0	9
20	Biogenic Siliceous Features. , 2018, , 157-176.		6
21	Spatial patterns of aboveground phytogenic Si stocks in a grass-dominated catchment – results from UAS-based high-resolution remote sensing. <i>Biogeosciences</i> , 2021, 18, 5163-5183.	3.3	6
22	Auto-Fluorescence in Phytoliths – A Mechanistic Understanding Derived From Microscopic and Spectroscopic Analyses. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	5
23	Biological impacts on silicon availability and cycling in agricultural plant-soil systems. , 2022, , 309-324.		2