

Roger Funk

List of Publications by Year in descending order

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43
papers

1,210
citations

430874

18
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

1546
citing authors

#	ARTICLE	IF	CITATIONS
1	Differences in the sediment composition of wind eroded sandy soils before and after fertilization with poultry manure. <i>Soil and Tillage Research</i> , 2022, 215, 105205.	5.6	9
2	Transport preferences of P forms in wind-blown sediments of two susceptible soils. <i>Aeolian Research</i> , 2022, 55, 100776.	2.7	2
3	Horizontal and vertical fluxes of particulate matter during wind erosion on arable land in the province La Pampa, Argentina. <i>International Journal of Sediment Research</i> , 2022, 37, 539-552.	3.5	3
4	Elemental composition of wind-blown sediments from contrasting textured soils. <i>Aeolian Research</i> , 2021, 48, 100656.	2.7	4
5	Low airborne tenacity and spread of <i>ESBL</i> - <i>AmpC</i> -producing <i>Escherichia coli</i> from fertilized soil by wind erosion. <i>Environmental Microbiology</i> , 2021, 23, 7497-7511.	3.8	9
6	A new Lagrangian in-time particle simulation module (Itpas v1) for atmospheric particle dispersion. <i>Geoscientific Model Development</i> , 2021, 14, 2205-2220.	3.6	4
7	Particulate matter emissions during field application of poultry manure - The influence of moisture content and treatment. <i>Science of the Total Environment</i> , 2021, 780, 146652.	8.0	15
8	Blowin TM in the Wind: Wind Dispersal Ability of Phytopathogenic <i>Fusarium</i> in a Wind Tunnel Experiment. <i>Atmosphere</i> , 2021, 12, 1653.	2.3	8
9	Functional relationship of particulate matter (PM) emissions, animal species, and moisture content during manure application. <i>Environment International</i> , 2020, 143, 105577.	10.0	23
10	Airborne bacterial emission fluxes from manure-fertilized agricultural soil. <i>Microbial Biotechnology</i> , 2020, 13, 1631-1647.	4.2	17
11	Agroforestry: An Appropriate and Sustainable Response to a Changing Climate in Southern Africa?. <i>Sustainability</i> , 2020, 12, 6796.	3.2	39
12	Effects of farmyard manure application on dust emissions from arable soils. <i>Atmospheric Pollution Research</i> , 2020, 11, 1610-1624.	3.8	9
13	Complex plant-derived organic aerosol as ice-nucleating particles " more than the sums of their parts?. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11387-11397.	4.9	16
14	Wind tunnel tests to estimate PM10 and PM2.5-emissions from complex substrates of open-cast strip mines in Germany. <i>Aeolian Research</i> , 2019, 39, 23-32.	2.7	15
15	Effects of low-scale landscape structures on aeolian transport processes on arable land. <i>Aeolian Research</i> , 2018, 32, 181-191.	2.7	12
16	Wind sorting affects differently the organo-mineral composition of saltating and particulate materials in contrasting texture agricultural soils. <i>Aeolian Research</i> , 2017, 28, 39-49.	2.7	23
17	Application of a modeling approach to designate soil and soil organic carbon loss to wind erosion on long-term monitoring sites (BDF) in Northern Germany. <i>Aeolian Research</i> , 2017, 25, 135-147.	2.7	28
18	Assessment and Measurement of Wind Erosion. Springer Water, 2016, , 425-449.	0.3	5

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19	Efficiency of Big Spring Number Eight (BSNE) and Modified Wilson and Cook (MWAC) samplers to collect PM10, PM2.5 and PM1. <i>Aeolian Research</i> , 2016, 21, 37-44.	2.7	29
20	Vertical dust concentration measurements within the boundary layer to assess regional source-sink relations of dust in semi-arid grasslands of Inner Mongolia, China. <i>Environmental Earth Sciences</i> , 2015, 73, 163-174.	2.7	7
21	Diurnal changes of PM10-emission from arable soils in NE-Germany. <i>Aeolian Research</i> , 2015, 17, 117-127.	2.7	19
22	Soil carbon, multiple benefits. <i>Environmental Development</i> , 2015, 13, 33-38.	4.1	75
23	Testate amoebae colonizing a newly exposed land surface are of airborne origin. <i>Ecological Indicators</i> , 2015, 48, 55-62.	6.3	13
24	Investigations with a field wind tunnel to estimate the wind erosion risk of row crops. <i>Soil and Tillage Research</i> , 2015, 145, 224-232.	5.6	26
25	Benefits of soil carbon: report on the outcomes of an international scientific committee on problems of the environment rapid assessment workshop. <i>Carbon Management</i> , 2014, 5, 185-192.	2.4	46
26	How much soil organic carbon sequestration is due to conservation agriculture reducing soil erosion?. <i>Soil Research</i> , 2014, 52, 717.	1.1	16
27	Methods for Quantifying Wind Erosion in Steppe Regions. <i>Environmental Science and Engineering</i> , 2014, , 315-327.	0.2	2
28	A computational fluid dynamics model for wind simulation: model implementation and experimental validation. <i>Journal of Zhejiang University: Science A</i> , 2012, 13, 274-283.	2.4	3
29	Soil properties related to potential particulate matter emissions (PM10) of sandy soils. <i>Aeolian Research</i> , 2012, 3, 437-443.	2.7	44
30	Identifying sensitive areas to wind erosion in the Xilingele grassland by computational fluid dynamics modelling. <i>Ecological Informatics</i> , 2012, 8, 37-47.	5.2	13
31	Application of satellite remote sensing for mapping wind erosion risk and dust emission-deposition in Inner Mongolia grassland, China. <i>Grassland Science</i> , 2012, 58, 8-19.	1.1	35
32	Using ¹³⁷ Cs to estimate wind erosion and dust deposition on grassland in Inner Mongolia-selection of a reference site and description of the temporal variability. <i>Plant and Soil</i> , 2012, 351, 293-307.	3.7	24
33	Wind modelling for wind erosion research by open source computational fluid dynamics. <i>Ecological Informatics</i> , 2011, 6, 316-324.	5.2	18
34	Assessment of extreme wind erosion and its impacts in Inner Mongolia, China. <i>Aeolian Research</i> , 2011, 3, 343-351.	2.7	72
35	Field wind erosion measurements with Big Spring Number Eight (BSNE) and Modified Wilson and Cook (MWAC) samplers. <i>Geomorphology</i> , 2011, 129, 43-48.	2.6	55
36	Grazing changes topography-controlled topsoil properties and their interaction on different spatial scales in a semi-arid grassland of Inner Mongolia, P.R. China. <i>Plant and Soil</i> , 2011, 340, 35-58.	3.7	55

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37	Effect of moisture on fine dust emission from tillage operations on agricultural soils. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 1851-1863.	2.5	78
38	Effect of grazing on wind driven carbon and nitrogen ratios in the grasslands of Inner Mongolia. <i>Catena</i> , 2008, 75, 182-190.	5.0	113
39	Basics of effective erosion control in German agriculture. <i>Journal of Plant Nutrition and Soil Science</i> , 2006, 169, 370-381.	1.9	29
40	Wind Erosion. , 2006, , 563-582.		22
41	Viel wind um nichts? forschungen zur winderosion in Brandenburg: Much wind about nothing? wind erosion research in Brandenburg. <i>Archives of Agronomy and Soil Science</i> , 2004, 50, 309-317.	2.6	6
42	Measurement and data analysis methods for field-scale wind erosion studies and model validation. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 1163-1188.	2.5	168
43	Der einfluss zunehmender bodenbedeckung auf die winderosion am beispiel von zuckerrÃ¼ben und maisâ—. <i>Archives of Agronomy and Soil Science</i> , 1998, 43, 183-200.	2.6	1