

JÃ¼rgen Franzaring

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

772
citations

623574

14
h-index

501076

28
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33
all docs

33
docs citations

33
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple and robust determination of the activity signature of key carbohydrate metabolism enzymes for physiological phenotyping in model and crop plants. <i>Journal of Experimental Botany</i> , 2015, 66, 5531-5542.	2.4	83
2	Grain quality characteristics of spring wheat (<i>Triticum aestivum</i>) as affected by free-air CO ₂ enrichment. <i>Environmental and Experimental Botany</i> , 2013, 88, 11-18.	2.0	79
3	Effects of atmospheric CO ₂ enrichment on biomass, yield and low molecular weight metabolites in wheat grain. <i>Journal of Cereal Science</i> , 2010, 52, 215-220.	1.8	75
4	Senescence-specific Alteration of Hydrogen Peroxide Levels in <i>Arabidopsis thaliana</i> and Oilseed Rape Spring Variety <i>Brassica napus</i> L. cv. Mozart ^F . <i>Journal of Integrative Plant Biology</i> , 2012, 54, 540-554.	4.1	68
5	Accumulation of airborne persistent organic pollutants (POPs) in plants. <i>Basic and Applied Ecology</i> , 2000, 1, 25-30.	1.2	57
6	Atmospheric CO ₂ enrichment and drought stress modify root exudation of barley. <i>Global Change Biology</i> , 2017, 23, 1292-1304.	4.2	49
7	Effects of free-air CO ₂ enrichment on energy traits and seed quality of oilseed rape. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 239-244.	2.5	42
8	Responses of the novel bioenergy plant species <i>Sida hermaphrodita</i> (L.) Rusby and <i>Silphium perfoliatum</i> L. to CO ₂ fertilization at different temperatures and water supply. <i>Biomass and Bioenergy</i> , 2015, 81, 574-583.	2.9	41
9	Assessment of Pb and Zn contents in agricultural soils and soybean crops near to a former battery recycling plant in Córdoba, Argentina. <i>Journal of Geochemical Exploration</i> , 2014, 145, 129-134.	1.5	36
10	Regional differences in plant levels and investigations on the phytotoxicity of lithium. <i>Environmental Pollution</i> , 2016, 216, 858-865.	3.7	31
11	Abundance and activity of nitrate reducers in an arable soil are more affected by temporal variation and soil depth than by elevated atmospheric [CO ₂]. <i>FEMS Microbiology Ecology</i> , 2011, 76, 209-219.	1.3	30
12	Growth, senescence and water use efficiency of spring oilseed rape (<i>Brassica napus</i> L. cv. Mozart) grown in a factorial combination of nitrogen supply and elevated CO ₂ . <i>Environmental and Experimental Botany</i> , 2011, 72, 284-296.	2.0	30
13	Root exudation of carbohydrates and cations from barley in response to drought and elevated CO ₂ . <i>Plant and Soil</i> , 2019, 438, 127-142.	1.8	24
14	Allocation and remobilisation of nitrogen in spring oilseed rape (<i>Brassica napus</i> L. cv. Mozart) as affected by N supply and elevated CO ₂ . <i>Environmental and Experimental Botany</i> , 2012, 83, 12-22.	2.0	15
15	Twenty years of biological monitoring of element concentrations in permanent forest and grassland plots in Baden-Württemberg (SW Germany). <i>Environmental Science and Pollution Research</i> , 2010, 17, 4-12.	2.7	14
16	Divergent N Deficiency-Dependent Senescence and Transcriptome Response in Developmentally Old and Young <i>Brassica napus</i> Leaves. <i>Frontiers in Plant Science</i> , 2018, 9, 48.	1.7	13
17	Cadmium concentrations in German soybeans are elevated in conurbations and in regions dominated by mining and the metal industry. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3711-3715.	1.7	11
18	Responses of old and modern cereals to CO ₂ -fertilisation. <i>Crop and Pasture Science</i> , 2013, 64, 943.	0.7	11

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19	Phytotoxicity of tin mine waste and accumulation of involved heavy metals in common buckwheat (<i>Fagopyrum esculentum</i> Moench). <i>International Journal of Phytoremediation</i> , 2018, 20, 462-470.	1.7	10
20	Exploratory study on the presence of GM oilseed rape near German oil mills. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23300-23307.	2.7	9
21	Fluoride Biomonitoring around a Large Aluminium Smelter Using Foliage from Different Tree Species. <i>Clean - Soil, Air, Water</i> , 2012, 40, 1315-1319.	0.7	8
22	Pest and disease abundance and dynamics in wheat and oilseed rape as affected by elevated atmospheric CO2 concentrations. <i>Functional Plant Biology</i> , 2013, 40, 125.	1.1	7
23	Phytotoxicity of polymetallic mine wastes from southern Tuscany and Saxony. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 505-513.	2.9	7
24	Design and performance of a new FACE (free air carbon dioxide enrichment) system for crop and short vegetation exposure. <i>Environmental and Experimental Botany</i> , 2016, 130, 151-161.	2.0	4
25	Foliar nutrient and metal levels of crops in the Mount Cameroon area – reference values for plant nutrition and environmental monitoring. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 186.	1.3	4
26	Cd and Zn Concentrations in Soil and Silage Maize following the Addition of P Fertilizer. <i>Agronomy</i> , 2021, 11, 2336.	1.3	3
27	Air quality in post-mining towns: tracking potentially toxic elements using tree leaves. <i>Environmental Geochemistry and Health</i> , 2023, 45, 843-859.	1.8	3
28	Differential elemental stoichiometry of two Mediterranean evergreen woody plants over a geochemically heterogeneous area. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2022, 55, 125672.	1.1	3
29	Nitrogen Supply Drives Senescence-Related Seed Storage Protein Expression in Rapeseed Leaves. <i>Genes</i> , 2019, 10, 72.	1.0	2
30	Assessing bioavailable fraction and bioconcentration factors of Cd and Zn in young silage maize under different P fertilization and crop rotation. <i>Environmental Pollutants and Bioavailability</i> , 2021, 33, 377-387.	1.3	1