

Siegfried Schittenhelm

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

635
citations

623734

14
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

869
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical composition and methane yield of maize hybrids with contrasting maturity. <i>European Journal of Agronomy</i> , 2008, 29, 72-79.	4.1	89
2	Agronomic Performance of Root Chicory, Jerusalem Artichoke, and Sugarbeet in Stress and Nonstress Environments. <i>Crop Science</i> , 1999, 39, 1815-1823.	1.8	66
3	Production, storability, and regeneration of shoot tips of potato (<i>Solanum tuberosum</i> L.) encapsulated in calcium alginate hollow beads. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2003, 39, 540-544.	2.1	50
4	Drought resistance of potato cultivars with contrasting canopy architecture. <i>European Journal of Agronomy</i> , 2006, 24, 193-202.	4.1	49
5	Photosynthesis, Carbohydrate Metabolism, and Yield of Phytochrome-Overexpressing Potatoes under Different Light Regimes. <i>Crop Science</i> , 2004, 44, 131-143.	1.8	48
6	How do timing, duration, and intensity of drought stress affect the agronomic performance of winter rye?. <i>European Journal of Agronomy</i> , 2016, 75, 25-32.	4.1	40
7	Soil moisture and matric potential – an open field comparison of sensor systems. <i>Earth System Science Data</i> , 2020, 12, 683-697.	9.9	35
8	Effect of two-week heat stress during grain filling on stem reserves, senescence, and grain yield of European winter wheat cultivars. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 722-733.	3.5	33
9	Performance of winter cereals grown on field-stored soil moisture only. <i>European Journal of Agronomy</i> , 2014, 52, 247-258.	4.1	31
10	Drought Tolerance and Water-Use Efficiency of Biogas Crops: A Comparison of Cup Plant, Maize and Lucerne-Grass. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 117-130.	3.5	28
11	Root traits of cup plant, maize and lucerne grass grown under different soil and soil moisture conditions. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 345-359.	3.5	22
12	Comparison of maize, permanent cup plant and a perennial grass mixture with regard to soil and water protection. <i>GCB Bioenergy</i> , 2020, 12, 694-705.	5.6	20
13	Water availability affects nectar sugar production and insect visitation of the cup plant <i>Silphium perfoliatum</i> L. (Asteraceae). <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 529-537.	3.5	20
14	Yield and canopy development of field grown potato plants derived from synthetic seeds. <i>European Journal of Agronomy</i> , 2005, 22, 175-184.	4.1	18
15	Agronomic performance of winter wheat grown under highly divergent soil moisture conditions in rainfed and water-managed environments. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 283-294.	3.5	14
16	Assessment of tolerance to salt stress in Kenyan tomato germplasm. <i>Euphytica</i> , 1997, 95, 57-66.	1.2	13
17	Processing and filtering of leaf area index time series assessed by in-situ wireless sensor networks. <i>Computers and Electronics in Agriculture</i> , 2019, 165, 104867.	7.7	13
18	Radiation use efficiency, chemical composition, and methane yield of biogas crops under rainfed and irrigated conditions. <i>European Journal of Agronomy</i> , 2017, 87, 8-18.	4.1	12

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19	Effect of sowing date on the performance of root chicory. <i>European Journal of Agronomy</i> , 2001, 15, 209-220.	4.1	11
20	Suitability of carbon isotope discrimination, ash content and single mineral concentration for the selection of drought-tolerant winter rye. <i>Plant Breeding</i> , 2014, 133, 579-587.	1.9	7
21	Effect of plant water deficit on the deoxynivalenol concentration in <i>Fusarium</i> -infected maize kernels. <i>Mycotoxin Research</i> , 2012, 28, 229-236.	2.3	5
22	Soil aggregation and aggregate-associated organic carbon concentrations for the perennial energy crop cup plant in comparison to maize. <i>Journal of Plant Nutrition and Soil Science</i> , 2021, 184, 339-342.	1.9	3
23	Ertragsphysiologie von Biogaspflanzen: Vergleich von Durchwachsener Silphie, Mais und Luzernegras. , 0, , .		3
24	Influence of genotype and soil tillage on regrowth in Jerusalem artichoke (<i>Helianthus tuberosus</i> L.). <i>Archives of Agronomy and Soil Science</i> , 1994, 38, 89-96.	2.6	2
25	Converting perennial energy crops cup plant and field grass to arable cropping affects weed infestation, soil nitrogen mineralization and subsequent silage maize yield. <i>GCB Bioenergy</i> , 2021, 13, 1232-1246.	5.6	2
26	Wasser als ertragsbegrenzender Faktor. , 0, , .		1