

Georg Carlsson

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,121
citations

430874

18
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1573
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercropping of grain legumes and cereals improves the use of soil N resources and reduces the requirement for synthetic fertilizer N: A global-scale analysis. <i>Agronomy for Sustainable Development</i> , 2020, 40, 1.	5.3	204
2	Limiting livestock production to pasture and by-products in a search for sustainable diets. <i>Food Policy</i> , 2016, 58, 1-13.	6.0	100
3	Inorganic soil nitrogen under grassland plant communities of different species composition and diversity. <i>Oikos</i> , 2005, 110, 271-282.	2.7	86
4	Species interactions enhance root allocation, microbial diversity and P acquisition in intercropped wheat and soybean under P deficiency. <i>Applied Soil Ecology</i> , 2017, 120, 179-188.	4.3	79
5	Less meat, more legumes: prospects and challenges in the transition toward sustainable diets in Sweden. <i>Renewable Agriculture and Food Systems</i> , 2020, 35, 192-205.	1.8	64
6	Perennial species mixtures for multifunctional production of biomass on marginal land. <i>GCB Bioenergy</i> , 2017, 9, 191-201.	5.6	61
7	N ₂ fixation and nitrogen allocation to above and below ground plant parts in red clover-grasslands. <i>Plant and Soil</i> , 2007, 299, 215-226.	3.7	53
8	Intercropping affects genetic potential for inorganic nitrogen cycling by root-associated microorganisms in <i>Medicago sativa</i> and <i>Dactylis glomerata</i> . <i>Applied Soil Ecology</i> , 2017, 119, 260-266.	4.3	45
9	Enhancing Yields in Organic Crop Production by Eco-Functional Intensification. <i>Sustainable Agriculture Research</i> , 2015, 4, 42.	0.3	41
10	N ₂ fixation in three perennial <i>Trifolium</i> species in experimental grasslands of varied plant species richness and composition. <i>Plant Ecology</i> , 2009, 205, 87-104.	1.6	38
11	Comparative effect of inorganic N on plant growth and N ₂ fixation of ten legume crops: towards a better understanding of the differential response among species. <i>Plant and Soil</i> , 2018, 432, 207-227.	3.7	33
12	Host-specific competitiveness to form nodules in <i>Rhizobium leguminosarum</i> symbiovar <i>viciae</i> . <i>New Phytologist</i> , 2020, 226, 555-568.	7.3	33
13	Towards sustainable consumption of legumes: How origin, processing and transport affect the environmental impact of pulses. <i>Sustainable Production and Consumption</i> , 2021, 27, 496-508.	11.0	30
14	Does nitrogen transfer between plants confound ¹⁵ N-based quantifications of N ₂ fixation?. <i>Plant and Soil</i> , 2014, 374, 345-358.	3.7	26
15	N transfer in three-species grass-clover mixtures with chicory, ribwort plantain or caraway. <i>Plant and Soil</i> , 2017, 413, 217-230.	3.7	25
16	Lucerne (<i>Medicago sativa</i>) alters N ₂ O-reducing communities associated with cocksfoot (<i>Dactylis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Biology and Biochemistry</i> , 2019, 137, 107547.	8.8	25
17	Designing a future food vision for the Nordics through a participatory modeling approach. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	5.3	23
18	Intercropping of Faba Bean with Wheat Under Low Water Availability Promotes Faba Bean Nodulation and Root Growth in Deeper Soil Layers. <i>Procedia Environmental Sciences</i> , 2015, 29, 111-112.	1.4	20

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19	Water use efficiency and shoot biomass production under water limitation is negatively correlated to the discrimination against ^{13}C in the C3 grasses <i>Dactylis glomerata</i> , <i>Festuca arundinacea</i> and <i>Phalaris arundinacea</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 113, 1-5.	5.8	19
20	Legume Performance and Nitrogen Acquisition Strategies in a Tree-Based Agroecosystem. <i>Agroecology and Sustainable Food Systems</i> , 2014, 38, 686-703.	1.9	18
21	Discrimination against ^{15}N among recombinant inbred lines of <i>Phaseolus vulgaris</i> L. contrasting in phosphorus use efficiency for nitrogen fixation. <i>Journal of Plant Physiology</i> , 2014, 171, 199-204.	3.5	15
22	Discrimination against ^{15}N in three N_2 -fixing <i>Trifolium</i> species as influenced by <i>Rhizobium</i> strain and plant age. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2006, 56, 31-38.	0.6	13
23	Highly productive forage legume stands show no positive biodiversity effect on yield and N_2 -fixation. <i>Plant and Soil</i> , 2017, 417, 169-182.	3.7	13
24	Combining crop diversification practices can benefit cereal production in temperate climates. <i>Agronomy for Sustainable Development</i> , 2021, 41, 1.	5.3	13
25	Nodulation and root growth increase in lower soil layers of water-limited faba bean intercropped with wheat. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 537-546.	1.9	12
26	Effects of including forbs on N_2 -fixation and N yield in red clover-ryegrass mixtures. <i>Plant and Soil</i> , 2018, 424, 525-537.	3.7	12
27	Nitrogen balance in a stockless organic cropping system with different strategies for internal N cycling via residual biomass. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 112, 165-178.	2.2	9
28	Productivity in an arable and stockless organic cropping system may be enhanced by strategic recycling of biomass. <i>Renewable Agriculture and Food Systems</i> , 2019, 34, 20-32.	1.8	5
29	On-farm experiments on cultivation of grain legumes for food – outcomes from a farmer-researcher collaboration. <i>Renewable Agriculture and Food Systems</i> , 0, , 1-11.	1.8	3
30	How to Quantify Biological Nitrogen Fixation in Forage Legumes in the Field. <i>Current Plant Science and Biotechnology in Agriculture</i> , 2008, , 47-48.	0.0	2
31	Faba Bean Variety Mixture Can Modulate Faba Bean-Wheat Intercrop Performance Under Water Limitation. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	1