Kurt MÃ¶ller

List of Publications by Year
in descending order

38 papers	2,575 citations	331670 21 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	2587 citing authors

#	Article	IF	Citations
1	Effects of anaerobic digestion on digestate nutrient availability and crop growth: A review. Engineering in Life Sciences, 2012, 12, 242-257.	3.6	876
2	Effects of different manuring systems with and without biogas digestion on soil mineral nitrogen content and on gaseous nitrogen losses (ammonia, nitrous oxides). European Journal of Agronomy, 2009, 30, 1-16.	4.1	205
3	Effects of anaerobic digestion on soil carbon and nitrogen turnover, N emissions, and soil biological activity. A review. Agronomy for Sustainable Development, 2015, 35, 1021-1041.	5.3	198
4	Effects of different manuring systems with and without biogas digestion on nitrogen cycle and crop yield in mixed organic dairy farming systems. Nutrient Cycling in Agroecosystems, 2008, 82, 209-232.	2.2	170
5	Effects of biogas digestion of clover/grass-leys, cover crops and crop residues on nitrogen cycle and crop yield in organic stockless farming systems. European Journal of Agronomy, 2008, 29, 125-134.	4.1	123
6	Improved Phosphorus Recycling in Organic Farming: Navigating Between Constraints. Advances in Agronomy, 2018, , 159-237.	5.2	78
7	Growth, composition, biological N2 fixation and nutrient uptake of a leguminous cover crop mixture and the effect of their removal on field nitrogen balances and nitrate leaching risk. Nutrient Cycling in Agroecosystems, 2008, 82, 233-249.	2.2	72
8	Influence of different manuring systems with and without biogas digestion on soil organic matter and nitrogen inputs, flows and budgets in organic cropping systems. Nutrient Cycling in Agroecosystems, 2009, 84, 179-202.	2.2	72
9	Substrate inputs, nutrient flows and nitrogen loss of two centralized biogas plants in southern Germany. Nutrient Cycling in Agroecosystems, 2010, 87, 307-325.	2.2	58
10	The challenge of imbalanced nutrient flows in organic farming systems: A study of organic greenhouses in Southern Germany. Agriculture, Ecosystems and Environment, 2017, 244, 1-13.	5.3	53
11	Long-term soil accumulation of potentially toxic elements and selected organic pollutants through application of recycled phosphorus fertilizers for organic farming conditions. Nutrient Cycling in Agroecosystems, 2018, 110, 427-449.	2.2	51
12	Soil fertility status and nutrient inputâ€“output flows of specialised organic cropping systems: a review. Nutrient Cycling in Agroecosystems, 2018, 112, 147-164.	2.2	51
13	Phosphorus bioavailability of sewage sludgeâ€based recycled fertilizers. Journal of Plant Nutrition and Soil Science, 2018, 181, 158-166.	1.9	50
14	Phosphorus availability on many organically managed farms in Europe. Nutrient Cycling in Agroecosystems, 2018, 110, 227-239.	2.2	49
15	The effect of biogas digestion on the environmental impact and energy balances in organic cropping systems using the life-cycle assessment methodology. Renewable Agriculture and Food Systems, 2010, 25, 204-218.	1.8	47
16	Chemical characterization of commercial organic fertilizers. Archives of Agronomy and Soil Science, 2015, 61, 989-1012.	2.6	42
17	Impact and Interaction of Nitrogen and Phytophthora infestans as Yield-limiting and Yield-reducing Factors in Organic Potato (Solanum tuberosum L.) Crops. Potato Research, 2007, 49, 281-301.	2.7	41
18	Effects of organic wastes digestion for biogas production on mineral nutrient availability of biogas effluents. Nutrient Cycling in Agroecosystems, 2010, 87, 395-413.	2.2	41

#	Article	IF	Citations
19	Effects of various cover crops after peas on nitrate leaching and nitrogen supply to succeeding winter wheat or potato crops. Journal of Plant Nutrition and Soil Science, 2009, 172, 277-287.	1.9	36
20	Impact of Agronomic Strategies (Seed Tuber Pre-sprouting, Cultivar Choice) to Control Late Blight (Phytophthora infestans) on Tuber Growth and Yield in Organic Potato (Solanum tuberosum L.) Crops. Potato Research, 2007, 50, 15-29.	2.7	31
21	Reliance on Biological Nitrogen Fixation Depletes Soil Phosphorus and Potassium Reserves. Nutrient Cycling in Agroecosystems, 2020, 118, 273-291.	2.2	29
22	Effects of setup of centralized biogas plants on crop acreage and balances of nutrients and soil humus. Nutrient Cycling in Agroecosystems, 2011, 89, 303-312.	2.2	22
23	Camera-guided Weed Hoeing in Winter Cereals with Narrow Row Distance. Gesunde Pflanzen, 2020, 72, 403-411.	3.0	22
24	Meta-analysis of nutrient budgets in organic farms across Europe. Organic Agriculture, 2020, 10, 65-77.	2.4	21
25	Inner farm nutrient flows between arable land and permanent grassland via the stable in organic cropping systems. European Journal of Agronomy, 2009, 31, 204-212.	4.1	20
26	Sustainable Potato Production Worldwide: the Challenge to Assess Conventional and Organic Production Systems. Potato Research, 2014, 57, 273-290.	2.7	17
27	Row-Intercropping Maize (Zea mays L.) with Biodiversity-Enhancing Flowering-Partnersâ€"Effect on Plant Growth, Silage Yield, and Composition of Harvest Material. Agriculture (Switzerland), 2020, 10, 524.	3.1	16
28	Fertilizer value and nitrogen transfer efficiencies with clover-grass ley biomass based fertilizers. Nutrient Cycling in Agroecosystems, 2017, 107, 395-411.	2.2	14
29	Digestate Composition Affecting N Fertiliser Value and C Mineralisation. Waste and Biomass Valorization, 2022, 13, 3445-3462.	3.4	14
30	Comparison of the environmental performance of different treatment scenarios for the main phosphorus recycling sources. Renewable Agriculture and Food Systems, 2019, 34, 349-362.	1.8	11
31	Partial replacement of rock phosphate by sewage sludge ash for the production of superphosphate fertilizers. Journal of Plant Nutrition and Soil Science, 2020, 183, 233-237.	1.9	9
32	Phosphorus bioavailability of sewage sludge-based recycled fertilizers in an organically managed field experiment. Journal of Plant Nutrition and Soil Science, 2018, 181, 760-767.	1.9	8
33	Efficacy of Various Mechanical Weeding Methodsâ€"Single and in Combinationâ€"In Terms of Different Field Conditions and Weed Densities. Agronomy, 2021, 11, 2084.	3.0	7
34	Field Application of Organic Fertilizers Triggers N2O Emissions From the Soil N Pool as Indicated by 15N-Labeled Digestates. Frontiers in Sustainable Food Systems, 2021, 4, .	3.9	6
35	Increased phosphorus availability from sewage sludge ashes to maize in a crop rotation with clover. Soil Use and Management, 2022, 38, 1394-1402.	4.9	5
36	Organic Matter Composition of Digestates Has a Stronger Influence on N2O Emissions than the Supply of Ammoniacal Nitrogen. Agronomy, 2021, 11, 2215.	3.0	4

#	Article	IF	Citations
37	The Effects of Leguminous Living Mulch Intercropping and Its Growth Management on Organic Cabbage Yield and Biological Nitrogen Fixation. Agronomy, 2022, 12, 1009.	3.0	4
38	Perennial and Intercrop Legumes as Energy Crops for Biogas Production. , 2018, , 139-171.		2