AntonÃ-n Kintl

List of Publications by Year
in descending order

63	861	623734	526287
papers	citations	14 h-index	27 g-index

64	64	64	708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Boron and Drought Simulation on Germinability and Hardseededness of Black Medick Seeds (Medicago lupulina L.). Journal of Plant Growth Regulation, 2023, 42, 1704-1719.	5.1	1
2	Does Digestate Dose Affect Fodder Security and Nutritive Value?. Agriculture (Switzerland), 2022, 12, 133.	3.1	4
3	Cattle Manure Fermented with Biochar and Humic Substances Improve the Crop Biomass, Microbiological Properties and Nutrient Status of Soil. Agronomy, 2022, 12, 368.	3.0	8
4	Manure Maturation with Biochar: Effects on Plant Biomass, Manure Quality and Soil Microbiological Characteristics. Agriculture (Switzerland), 2022, 12, 314.	3.1	6
5	Using the Mixed Culture of Fodder Mallow (Malva verticillata L.) and White Sweet Clover (Melilotus) Tj ETQq1 1 0.784314 rgBT /Overlo	3.0	8
6	Biochar-Assisted Phytostabilization for Potentially Toxic Element Immobilization. Sustainability, 2022, 14, 445.	3.2	7
7	Deciphering the Potential Role of Symbiotic Plant Microbiome and Amino Acid Application on Growth Performance of Chickpea Under Field Conditions. Frontiers in Plant Science, 2022, 13, .	3.6	2
8	Potential effect of wetting agents added to agricultural sprays on the stability of soil aggregates. Soil, 2022, 8, 349-372.	4.9	3
9	Application of extended <scp>BBCH</scp> scale for studying the development of Phacelia tanacetifolia Benth.. Annals of Applied Biology, 2022, 181, 332-346.	2.5	2
10	Deciphering the Effectiveness of Humic Substances and Biochar Modified Digestates on Soil Quality and Plant Biomass Accumulation. Agronomy, 2022, 12, 1587.	3.0	4
11	Impact of Maize Harvest Techniques on Biomethane Production. Bioenergy Research, 2021, 14, 303-312.	3.9	5
12	Biochar Role in Soil Carbon Stabilization and Crop Productivity. , 2021, , 1-46.		1
13	Deep placement of nitrogen fertilizer improves yield, nitrogen use efficiency and economic returns of transplanted fine rice. PLoS ONE, 2021, 16, e0247529.	2.5	25
14	Glomalin â€“ Truths, myths, and the future of this elusive soil glycoprotein. Soil Biology and Biochemistry, 2021, 153, 108116.	8.8	82
15	Effect of Seed Coating and PEG-Induced Drought on the Germination Capacity of Five Clover Crops. Plants, 2021, 10, 724.	3.5	12
16	Nano Zero Valent Iron (nZVI) as an Amendment for Phytostabilization of Highly Multi-PTE Contaminated Soil. Materials, 2021, 14, 2559.	2.9	9
17	Evaluation of Jatropha curcas L. leaves mulching on wheat growth and biochemical attributes under water stress. BMC Plant Biology, 2021, 21, 303.	3.6	10
18	The Potential of Biochar Made from Agricultural Residues to Increase Soil Fertility and Microbial Activity: Impacts on Soils with Varying Sand Content. Agronomy, 2021, 11, 1174.	3.0	9

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19	Effect of carbon-enriched digestate on the microbial soil activity. PLoS ONE, 2021, 16, e0252262.	2.5	15
20	Assessing the potential of biochar aged by humic substances to enhance plant growth and soil biological activity. Chemical and Biological Technologies in Agriculture, 2021, 8, .	4.6	10
21	Rhizosphere Bacteria in Plant Growth Promotion, Biocontrol, and Bioremediation of Contaminated Sites: A Comprehensive Review of Effects and Mechanisms. International Journal of Molecular Sciences, 2021, 22, 10529.	4.1	149
22	A critical review of the possible adverse effects of biochar in the soil environment. Science of the Total Environment, 2021, 796, 148756.	8.0	113
23	Using Waste Sulfur from Biogas Production in Combination with Nitrogen Fertilization of Maize (Zea) Tj ETQq1 1 0.784314 rgBT /Ove	3.5	3
24	Biochar and Sulphur Enriched Digestate: Utilization of Agriculture Associated Waste Products for Improved Soil Carbon and Nitrogen Content, Microbial Activity, and Plant Growth. Agronomy, 2021, 11, 2041.	3.0	14
25	Clover Species Specific Influence on Microbial Abundance and Associated Enzyme Activities in Rhizosphere and Non-Rhizosphere Soils. Agronomy, 2021, 11, 2214.	3.0	6
26	The Digestion of Waste from Vegetables and Maize Processing. Waste and Biomass Valorization, 2020, 11, 2467-2473.	3.4	8
27	Humic Acid Mitigates the Negative Effects of High Rates of Biochar Application on Microbial Activity. Sustainability, 2020, 12, 9524.	3.2	17
28	Fertilization with Magnesium- and Sulfur-Supplemented Digestate Increases the Yield and Quality of Kohlrabi. Sustainability, 2020, 12, 5733.	3.2	8
29	Bentonite-Based Organic Amendment Enriches Microbial Activity in Agricultural Soils. Land, 2020, 9, 258.	2.9	11
30	Effect of Cadmium-Tolerant Rhizobacteria on Growth Attributes and Chlorophyll Contents of Bitter Gourd under Cadmium Toxicity. Plants, 2020, 9, 1386.	3.5	62
31	Possibilities of Using White Sweetclover Grown in Mixture with Maize for Biomethane Production. Agronomy, 2020, 10, 1407.	3.0	17
32	Chemical Composition and Hazardous Effects of Leachate from the Active Municipal Solid Waste Landfill Surrounded by Farmlands. Sustainability, 2020, 12, 4531.	3.2	48
33	Comparison of the Agricultural Use of Products from Organic Waste Processing with Conventional Mineral Fertilizer: Potential Effects on Mineral Nitrogen Leaching and Soil Quality. Agronomy, 2020, 10, 226.	3.0	9
34	RESPONSE OF CLOVER TO FERTILIZATION WITH NITROGEN AND PHOSPHORUS ï¿½ EFFECT ON CONTENT OF PLANT AVAILABLE NUTRIENT IN SOIL AND BIOMASS YIELD. , 2020, , .		0
35	SOIL BIOSTIMULANT COMPARISON TO NPK FERTILIZATION IN RELATIONSHIP TO IMPROVEMENT OF RHIZOSPHERE FUNCTION. , 2020, , .		0
36	Mixed Culture of Corn and White Lupine as an Alternative to Silage Made from Corn Monoculture Intended for Biogas Production. Bioenergy Research, 2019, 12, 694-702.	3.9	15

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37	Response of Microbial Activities in Soil to Various Organic and Mineral Amendments as an Indicator of Soil Quality. Agronomy, 2019, 9, 485.	3.0	18
38	Long-Term Effects of Biochar-Based Organic Amendments on Soil Microbial Parameters. Agronomy, 2019, 9, 747.	3.0	50
39	EVALUATION OF VARIABLE RATE APPLICATION OF FERTILIZERS BY PROXIMAL CROP SENSING AND YIELD MAPPING. , 2019, , .		2
40	USE OF ORGANIC-MINERAL FERTILIZERS AS ALTERNATIVE TO CONVENTIONAL ORGANIC AND MINERAL FERTILIZERS: EFFECT ON SOIL QUALITY. , 2019, , .		2
41	LEGUME AND GRASS BIOMASS AS AN ALTERNATIVE SUBSTRATE FOR BIOGAS PRODUCTION ï¿½ THEORETICAL METHANE YIELD. , 2019, , .		0
42	NITROGEN USE EFFICIENCY OF WHEAT AND WHITE CLOVER MIXED CULTURE ï¿½ LYSIMETRIC EXPERIMENT. , 2019, , .		0
43	FACTORS AFFECTING THE C: N RATIO IN POST-HARVEST RESIDUES AND THEIR PRACTICAL IMPACT. , 2019, , .		0
44	DIFFERENT TYPES OR MANURE AMENDED TO SOIL VARY IN EFFECT ON PH AND AMMONIA OXIDIZING BACTERIA. , 2019, , .		0
45	MONITORING OF SOIL HEALTH AND QUALITY WITHIN AN ENTERPRISE USING CONVECTIONAL FARMING SYSTEM. , 2019, , .		0
46	EVALUATION OF FLAT AND VARIABLE RATE NITROGEN APPLICATION EFFECT ON WINTER WHEAT YIELD ON THE BASIS OF YIELD MAPS. , 2019, , .		0
47	COMPARISON OF MINERAL NITROGEN LEACHING IN CONVENTIONAL AND MIXED CROPPING SYSTEM. , 2019, , .		0
48	COUMARIN CONTENT IN SILAGES MADE OF MIXED CROPPING BIOMASS COMPRISING MAIZE AND WHITE SWEET CLOVER. , 2019, , .		4
49	EFFECT OF MAIZE AND LEGUME MIXED CROPPING ON SOIL QUALITY IN RELATION TO PLANTING DENSITY. , 2019, , .		1
50	Mixed Intercropping of Wheat and White Clover to Enhance the Sustainability of the Conventional Cropping System: Effects on Biomass Production and Leaching of Mineral Nitrogen. Sustainability, 2018, 10, 3367.	3.2	17
51	Environmental risk assessment and consequences of municipal solid waste disposal. Chemosphere, 2018, 208, 569-578.	8.2	23
52	VARIABLE ï¿½ RATE NITROGEN APPLICATION IN WHEAT PRODUCTION ON THE BASIS OF SATELLITE IMAGES ANALYSIS TO INCREASE YIELD AND REDUCE ENVIRONMENTAL RISKS. , 2018, , .		2
53	EFFECT OF SOIL PHYSICAL PROPERTIES DEGRADATION ON SOIL RETENTION CAPACITY USING AN EXAMPLE OF CAMBISOLS. , 2018, , .		0
54	TREATED AND UNTREATED WASTEWATER AS ALTERNATIVE WATER SOURCE IN AGRICULTURE: EFFECT ON SOIL QUALITY, LEACHING OF MINERAL NITROGEN FROM SOIL AND BIOMASS PRODUCTION. , 2018, , .		0

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55	ASSESSING THE BIOLOGICAL YIELD WITH LAND EQUIVALENT RATIOS (LER) OF SIX VARIANTS WITH MIXED CULTURE OF CORN (ZEA MAIS) AND LEGUMES. , 2018, , .		0
56	NITROGEN USE EFFICIENCY IN WINTER WHEAT ï¿½ WINTER PEA INTERCROPPING SYSTEM. , 2018, , .		0
57	POTENTIAL USE OF LEGUME IN MAIZE CROPPING SYSTEM TO INCREASE THE ROOT SYSTEM IN ORDER TO PREVENT SOIL EROSION. , 2018, , .		0
58	Soil Agrochemical Changes after Kieserite Application into Chernozem and its Effect on Yields of Barley Biomass. Agriculture, 2018, 64, 183-188.	0.4	1
59	Leaching of mineral nitrogen in the soil influenced by addition of compost and N-mineral fertilizer. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2017, 67, 607-614.	0.6	17
60	Study on the (bio)degradation Process of Bioplastic Materials under Industrial Composting Conditions. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2017, 65, 791-798.	0.4	7
61	Nitrogen and Phosphorus Availability Effect on Activity of Cellulolytic Microorganisms in Meadows. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2016, 64, 1173-1179.	0.4	3
62	Influence of Fertilization on Microbial Activities, Soil Hydrophobicity and Mineral Nitrogen Leaching. Ecological Chemistry and Engineering S, 2015, 21, 661-675.	1.5	11
63	The efficiency of nutrient utilization by permanent grassland in the KameniÄky locality. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2013, 61, 1799-1806.	0.4	0