Ahmed M S Kheir

List of Publications by Year
in descending order

45	1,501	331670	330143
papers	citations	21 h-index	37 g-index

46	46	46	1222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate change impact and adaptation for wheat protein. Global Change Biology, 2019, 25, 155-173.	9.5	312
2	A vermicompost and deep tillage system to improve saline-sodic soil quality and wheat productivity. Journal of Environmental Management, 2021, 277, 111388.	7.8	96
3	The integrated effect of salinity, organic amendments, phosphorus fertilizers, and deficit irrigation on soil properties, phosphorus fractionation and wheat productivity. Scientific Reports, 2020, 10, 2736.	3.3	81
4	Saline soil properties, quality and productivity of wheat grown with bagasse ash and thiourea in different climatic zones. Chemosphere, 2018, 193, 538-546.	8.2	78
5	Modeling the combined impacts of deficit irrigation, rising temperature and compost application on wheat yield and water productivity. Agricultural Water Management, 2021, 244, 106626.	5.6	78
6	Can Egypt become self-sufficient in wheat?. Environmental Research Letters, 2018, 13, 094012.	5.2	76
7	Maize productivity, heavy metals uptake and their availability in contaminated clay and sandy alkaline soils as affected by inorganic and organic amendments. Chemosphere, 2018, 204, 514-522.	8.2	74
8	Impacts of rising temperature, carbon dioxide concentration and sea level on wheat production in North Nile delta. Science of the Total Environment, 2019, 651, 3161-3173.	8.0	56
9	Biochar and compost enhance soil quality and growth of roselle (Hibiscus sabdariffa L.) under saline conditions. Scientific Reports, 2021, 11, 8739.	3.3	45
10	Integrated effect of nano-Zn, nano-Si, and drainage using crop strawâ€“filled ditches on saline sodic soil properties and rice productivity. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	41
11	Modeling Land Suitability for Rice Crop Using Remote Sensing and Soil Quality Indicators: The Case Study of the Nile Delta. Sustainability, 2020, 12, 9653.	3.2	41
12	Modeling deficit irrigation-based evapotranspiration optimizes wheat yield and water productivity in arid regions. Agricultural Water Management, 2021, 256, 107122.	5.6	34
13	Impact of Climate Change on Dryland Agricultural Systems: A Review of Current Status, Potentials, and Further Work Need. International Journal of Plant Production, 2022, 16, 341-363.	2.2	33
14	Modelling and Assessment of Irrigation Water Quality Index Using GIS in Semi-arid Region for Sustainable Agriculture. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	27
15	Exploring Optimal Tillage Improved Soil Characteristics and Productivity of Wheat Irrigated with Different Water Qualities. Agronomy, 2019, 9, 233.	3.0	26
16	Climate change impact and adaptation on wheat yield, water use and water use efficiency at North Nile Delta. Frontiers of Earth Science, 2020, 14, 522-536.	2.1	26
17	Molecular Genetic Diversity and Line Ã— Tester Analysis for Resistance to Late Wilt Disease and Grain Yield in Maize. Agronomy, 2021, 11, 898.	3.0	26
18	Biochar blended humate and vermicompost enhanced immobilization of heavy metals, improved wheat productivity, and minimized human health risks in different contaminated environments. Journal of Environmental Chemical Engineering, 2021, 9, 105700.	6.7	26

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19	Seawater intrusion impacts on groundwater and soil quality in the northern part of the Nile Delta, Egypt. Environmental Earth Sciences, 2020, 79, 1.	2.7	25
20	Differences in Physiological and Biochemical Attributes of Wheat in Response to Single and Combined Salicylic Acid and Biochar Subjected to Limited Water Irrigation in Saline Sodic Soil. Plants, 2020, 9, 1346.	3.5	24
21	Development of a Spatial Model for Soil Quality Assessment under Arid and Semi-Arid Conditions. Sustainability, 2021, 13, 2893.	3.2	23
22	Combining Ability and Gene Action Controlling Grain Yield and Its Related Traits in Bread Wheat under Heat Stress and Normal Conditions. Agronomy, 2021, 11, 1450.	3.0	23
23	Calibration and Validation of AQUACROP and APSIM Models to Optimize Wheat Yield and Water Saving in Arid Regions. Land, 2021, 10, 1375.	2.9	23
24	Effect of Biochar on CO2 Sequestration and Productivity of Pearl Millet Plants Grown in Saline Sodic Soils. Journal of Soil Science and Plant Nutrition, 2021, 21, 897-907.	3.4	22
25	Optimizing sowing window, cultivar choice, and plant density to boost maize yield under RCP8.5 climate scenario of CMIP5. International Journal of Biometeorology, 2022, 66, 971-985.	3.0	22
26	Genetic Diversity and Combining Ability of White Maize Inbred Lines under Different Plant Densities. Plants, 2020, 9, 1140.	3.5	21
27	Genetic Potential and Inheritance Patterns of Physiological, Agronomic and Quality Traits in Bread Wheat under Normal and Water Deficit Conditions. Plants, 2022, 11, 952.	3.5	18
28	Quantitative Estimation of Saline-Soil Amelioration Using Remote-Sensing Indices in Arid Land for Better Management. Land, 2022, 11, 1041.	2.9	16
29	Foliar Application of Nano, Chelated, and Conventional Iron Forms Enhanced Growth, Nutritional Status, Fruiting Aspects, and Fruit Quality of Washington Navel Orange Trees (Citrus sinensis L.) Tj ETQq1 1 0.784314 rgBT /Overlock	3.4	16
30	Increasing yield, quality and profitability of winter oilseed rape (Brassica napus) under combinations of nutrient levels in fertiliser and planting density. Crop and Pasture Science, 2020, 71, 1010.	1.5	13
31	Recycling of sugar crop disposal to boost the adaptation of canola (Brassica napus L.) to abiotic stress through different climate zones. Journal of Environmental Management, 2021, 281, 111881.	7.8	12
32	Balanced fertilization under different plant densities for winter oilseed rape (Brassica napus L.) grown on paddy soils in Southern China. Industrial Crops and Products, 2020, 151, 112413.	5.2	10
33	Wheat Crop Modelling for Higher Production. , 2020, , 179-202.		9
34	Combined Application of Compost, Zeolite and a Raised Bed Planting Method Alleviate Salinity Stress and Improve Cereal Crop Productivity in Arid Regions. Agronomy, 2021, 11, 2495.	3.0	9
35	Can sulphur improve the nutrient uptake, partitioning, and seed yield of sesame?. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	7
36	Effect of Amount of Irrigation and Type of P Fertilizer on Potato Yield and NH3 Volatilization from Alkaline Sandy Soils. Journal of Soil Science and Plant Nutrition, 2021, 21, 1565-1576.	3.4	6

#	Article	IF	Citations
37	Developing new lines of Japonica rice for higher quality and yield under arid conditions. PeerJ, 2021, 9, e11592.	2.0	6
38	Agricultural big data and methods and models for food security analysisâ€"a mini-review. PeerJ, 0, 10, e13674.	2.0	6
39	Water deficit induced physiological and amino acid responses in some rice varieties using NMRâ€metabolic analysis. Agronomy Journal, 2021, 113, 4690-4704.	1.8	4
40	The Exogenous Application of Micro-Nutrient Elements and Amino Acids Improved the Yield, Nutritional Status and Quality of Mango in Arid Regions. Plants, 2021, 10, 2057.	3.5	3
41	Effects of Sugar Beet Factory Lime, Vinasse, and Compost Mixed with Vinasse Application on Sandy Soil Properties and Canola Productivity. Journal of Soil Sciences and Agricultural Engineering, 2019, 10, 69-77.	0.1	3
42	Characterizing some Egyptian Bread Wheat Cultivars for Salinity Tolerance. Journal of Plant Production, 2019, 10, 1043-1049.	0.1	3
43	Experimental and simulated wheat data from across a temperature gradient along the River Nile in Egypt. Open Data Journal for Agricultural Research, 0, 6, 19-20.	1.3	1
44	Study of Microclimate and Sapling Citrus Plant Transpiration in Tunnel Greenhouse Under Mediterranean Conditions. Acta Technologica Agriculturae, 2022, 25, 61-66.	0.9	1
45	Influence of Mole Drains and N-Fertilizer Sources on Rhizosphere Activity and Rice Yield in Heavy Clay Salt-affected Soil at North Nile Delta. Journal of Sustainable Agricultural Sciences, 2018, .	0.0	0