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List of Publications by Year
in descending order

31 papers	387 citations	840585 11 h-index	839398 18 g-index
31 all docs	31 docs citations	31 times ranked	440 citing authors

#	Article	IF	Citations
1	Stochastic modelling and control of rainwater harvesting systems forÂirrigation during dry spells. Journal of Cleaner Production, 2015, 88, 185-195.	4.6	44
2	Characterization and Artificial Neural Networks Modelling of methylene blue adsorption of biochar derived from agricultural residues: Effect of biomass type, pyrolysis temperature, particle size. Journal of Saudi Chemical Society, 2020, 24, 811-823.	2.4	44
3	Effect of irrigation with olive mill wastewater on soil hydraulic and solute transport properties. International Journal of Environmental Science and Technology, 2014, 11, 927-934.	1.8	43
4	Effects of Bentonite, Hydrogel and Biochar Amendments on Soil Hydraulic Properties from Saturation to Oven Dryness. Pedosphere, 2019, 29, 598-607.	2.1	33
5	Evaluation of evapotranspiration models for estimating daily reference evapotranspiration in arid and semiarid environments. Plant, Soil and Environment, 2011, 57, 145-152.	1.0	28
6	Spatio-temporal Calibration of Blaneyâ€“Criddle Equation in Arid and Semiarid Environment. Water Resources Management, 2010, 24, 2187-2201.	1.9	22
7	Effect of Olive Mill Wastewater (OMW) Application on Soil Properties and Wheat Growth Performance Under Rain-Fed Conditions. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	20
8	Comparison of Hargreaves and FAO56 equations for estimating monthly evapotranspiration for semi-arid and arid environments. Archives of Agronomy and Soil Science, 2012, 58, 321-334.	1.3	18
9	Assessment the effect of homogenized soil on soil hydraulic properties and soil water transport. Eurasian Soil Science, 2017, 50, 1077-1085.	0.5	14
10	Controlled Land Application of Olive Mill Wastewater (OMW): Enhance Soil Indices and Barley Growth Performance in Arid Environments. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	13
11	Effect of irrigation regimes on water use efficiency and tomato yield (Lycopersicon esculentumMill.) grown in an arid environment. Archives of Agronomy and Soil Science, 2011, 57, 105-114.	1.3	11
12	Potential Use of Biochar as an Amendment to Improve Soil Fertility and Tomato and Bell Pepper Growth Performance Under Arid Conditions. Journal of Soil Science and Plant Nutrition, 2021, 21, 2946-2956.	1.7	11
13	Effects of deficit irrigation on tomato and eggplant and their infection with the root-knot nematode under controlled environmental conditions. Archives of Agronomy and Soil Science, 2014, 60, 1091-1102.	1.3	10
14	Greenhouse evaluation of deficit irrigation on the growth of tomato and eggplant and their interactions withMeloidogyne javanica. South African Journal of Plant and Soil, 2015, 32, 55-60.	0.4	7
15	Field evaluation of deficit irrigation effects on tomato growth performance, water-use efficiency and control of parasitic nematode infection. South African Journal of Plant and Soil, 2016, 33, 125-132.	0.4	7
16	Effect of hydrogel on corn growth, water use efficiency, and soil properties in a semi-arid region. Journal of the Saudi Society of Agricultural Sciences, 2022, 21, 518-524.	1.0	7
17	Pyrolysis of domestic sewage sludge: influence of operational conditions on the product yields using factorial design. Heliyon, 2022, 8, e09418.	1.4	7
18	A unique value function for an optimal control problem of irrigation water intake from a reservoir harvesting flash floods. Stochastic Environmental Research and Risk Assessment, 2018, 32, 3169-3182.	1.9	6

#	Article	IF	Citations
19	Comparing a Smartphone Irrigation Scheduling Application with Water Balance and Soil Moisture-based Irrigation Methods: Part Iâ€"Plasticulture-grown Tomato. HortTechnology, 2018, 28, 354-361.	0.5	6
20	Time periodic optimal policy for operation of a water storage tank using the dynamic programming approach. Applied Mathematics and Computation, 2019, 353, 418-431.	1.4	5
21	Bounding linear rainfall-runoff models with fractional derivatives applied to a barren catchment of the Jordan Rift Valley. Journal of Hydrology, 2021, 593, 125879.	2.3	5
22	Assessment of spatial variability of penetration resistance and hardpan characteristics in a cassava field. Soil Research, 2008, 46, 210.	0.6	5
23	Effect of Colored Shading Nets on the Growth and Water Use Efficiency of Sweet Pepper Grown under Semi-arid Conditions. HortTechnology, 2022, 32, 21-27.	0.5	5
24	Olive oil mineral content of two local genotypes as influenced by recycled effluent irrigation under arid environment. Journal of the Science of Food and Agriculture, 2009, 89, 2082-2087.	1.7	3
25	Effect of irrigation water qualities on Leucaena leucocephala germination and early growth stage. International Journal of Environmental Science and Technology, 2012, 9, 281-286.	1.8	3
26	Artificial neural network for estimating monthly reference evapotransiration under arid and semi arid environments. Archives of Agronomy and Soil Science, 2013, 59, 105-117.	1.3	3
27	Prototype and model of solar driven desalination plant in arid environment. Thermal Science, 2020, 24, 903-914.	0.5	3
28	Root-Knot Nematode (Meloidogyne javanica) â€“ Deficit Irrigation Interactions on Eggplant Cropped under Open Field Conditions. Journal of Horticultural Research, 2016, 24, 73-78.	0.4	2
29	Statistical analysis of flash flood events for designing water harvesting systems in an extremely arid environment. Hydrological Processes, 2021, 35, e14370.	1.1	1
30	Assessment of the Effect of Irrigation with Treated Wastewater on Soil Properties and on the Performance of Infiltration Models. Water (Switzerland), 2022, 14, 1520.	1.2	1
31	Nonlinear growth dynamics of date palms responding to environmental parameters. Food Research, 2020, 4, 60-63.	0.3	0