

Ustun Sahin

List of Publications by Year in descending order

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66
papers

1,380
citations

471509

17
h-index

395702

33
g-index

67
all docs

67
docs citations

67
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of untreated and treated wastewater irrigation on some chemical properties of cauliflower (<i>Brassica oleracea</i> L. var. botrytis) and red cabbage (<i>Brassica oleracea</i> L. var. rubra) grown on calcareous soil in Turkey. <i>Agricultural Water Management</i> , 2008, 95, 716-724.	5.6	177
2	Effects of individual and combined effects of salinity and drought on physiological, nutritional and biochemical properties of cabbage (<i>Brassica oleracea</i> var. capitata). <i>Scientia Horticulturae</i> , 2018, 240, 196-204.	3.6	145
3	Effects of wastewater irrigation on soil and cabbage-plant (<i>brassica oleracea</i> var. capitata cv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	77
4	Determining water-yield relationship, water use efficiency, crop and pan coefficients for silage maize in a semiarid region. <i>Irrigation Science</i> , 2009, 27, 129-137.	2.8	64
5	Interactive effects of salinity and drought stress on photosynthetic characteristics and physiology of tomato (<i>Lycopersicon esculentum</i> L.) seedlings. <i>South African Journal of Botany</i> , 2021, 137, 335-339.	2.5	64
6	Effect of freezing and thawing processes on some physical properties of saline-sodic soils mixed with sewage sludge or fly ash. <i>Soil and Tillage Research</i> , 2008, 99, 254-260.	5.6	52
7	Microbial application with gypsum increases the saturated hydraulic conductivity of saline-sodic soils. <i>Applied Soil Ecology</i> , 2011, 48, 247-250.	4.3	49
8	Tillage effects on certain physical and hydraulic properties of a loamy soil under a crop rotation in a semi-arid region with a cool climate. <i>Catena</i> , 2014, 118, 195-205.	5.0	47
9	Ameliorative Effects of Plant Growth Promoting Bacteria on Water-yield Relationships, Growth, and Nutrient Uptake of Lettuce Plants under Different Irrigation Levels. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015, 50, 1379-1386.	1.0	36
10	Determination of Physiological Indices and Some Antioxidant Enzymes of Chard Exposed to Nitric Oxide under Drought Stress. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 740-749.	1.1	34
11	The changes in the physical and hydraulic properties of a loamy soil under irrigation with simpler-reclaimed wastewaters. <i>Agricultural Water Management</i> , 2015, 158, 213-224.	5.6	33
12	Biological treatment of clogged emitters in a drip irrigation system. <i>Journal of Environmental Management</i> , 2005, 76, 338-341.	7.8	32
13	Changes in gas exchange capacity and selected physiological properties of squash seedlings (<i>Cucurbita pepo</i> L.) under well-watered and drought stress conditions. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 1700-1710.	2.6	32
14	The Effect of Deficit Irrigation on Potato Evapotranspiration and Tuber Yield under Cool Season and Semiarid Climatic Conditions. <i>Journal of Agronomy</i> , 2006, 5, 284-288.	0.4	31
15	Effects of different irrigation practices using treated wastewater on tomato yields, quality, water productivity, and soil and fruit mineral contents. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24856-24879.	5.3	27
16	Responses to the Irrigation Water Amount of Spinach Supplemented with Organic Amendment in Greenhouse Conditions. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 327-342.	1.4	26
17	Bacterial application increased the flow rate of CaCO ₃ -clogged emitters of drip irrigation system. <i>Journal of Environmental Management</i> , 2012, 98, 37-42.	7.8	23
18	AÄYÄ±r Metallerin Toprak, Bitki, Su ve Ä°nsan SaÄYİÄ±ÄYÄ±na Etkileri. TÄ¼rk DoÄYü Ve Fen Dergisi, 2020, 9, 103-114.	1.1	23

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19	The deficit irrigation productivity and economy in strawberry in the different drip irrigation practices in a high plain with semi-arid climate. <i>Scientia Horticulturae</i> , 2019, 245, 47-56.	3.6	20
20	Reclamation of Saline Sodic Soils with the Use of Mixed Fly Ash and Sewage Sludge. <i>Arid Land Research and Management</i> , 2015, 29, 41-54.	1.6	19
21	Productivity and heavy metal pollution management in a silage maize field with reduced recycled wastewater applications with different irrigation methods. <i>Journal of Environmental Management</i> , 2021, 291, 112602.	7.8	19
22	Evaluation of water use and yield responses of drip-irrigated sugar beet with different irrigation techniques. <i>Chilean Journal of Agricultural Research</i> , 2014, 74, 302-310.	1.1	17
23	Fruit Yield and Quality, and Irrigation Water Use Efficiency of Summer Squash Drip-Irrigated with Different Irrigation Quantities in a Semi-Arid Agricultural Area. <i>Journal of Integrative Agriculture</i> , 2014, 13, 2518-2526.	3.5	17
24	The influence of different tillage practices on water content of soil and crop yield in vetchâ€“winter wheat rotation compared to fallowâ€“winter wheat rotation in a high altitude and cool climate. <i>Agricultural Water Management</i> , 2015, 160, 84-97.	5.6	17
25	Response of black cumin (<i>Nigella sativa</i> L.) to deficit irrigation in a semi-arid region: Growth, yield, quality, and water productivity. <i>Industrial Crops and Products</i> , 2020, 144, 112048.	5.2	17
26	Short communication. Effect of deficit irrigation on curly lettuce grown under semiarid conditions. <i>Spanish Journal of Agricultural Research</i> , 2008, 6, 714.	0.6	17
27	Amelioration of Drought Stress Adverse Effect and Mediating Biochemical Content of Cabbage Seedlings by Plant Growth Promoting Rhizobacteria. <i>International Journal of Agriculture and Biology</i> , 2016, , 948-956.	0.4	16
28	Evaluation of CaCO ₃ clogging in emitters with magnetized saline waters. <i>Desalination and Water Treatment</i> , 2012, 40, 168-173.	1.0	14
29	Red cabbage yield, heavy metal content, water use and soil chemical characteristics under wastewater irrigation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6264-6276.	5.3	14
30	Effects of consecutive applications of gypsum in equal, increasing, and decreasing quantities on soil hydraulic conductivity of a saline-sodic soil. <i>Journal of Plant Nutrition and Soil Science</i> , 2003, 166, 621-624.	1.9	13
31	Improving silage maize productivity using recycled wastewater under different irrigation methods. <i>Agricultural Water Management</i> , 2021, 255, 107051.	5.6	13
32	Short communication. The effect of freeze-thaw cycles on soil aggregate stability in different salinity and sodicity conditions. <i>Spanish Journal of Agricultural Research</i> , 2007, 5, 431.	0.6	13
33	CO ₂ emission from soil in silage maize irrigated with wastewater under deficit irrigation in direct sowing practice. <i>Agricultural Water Management</i> , 2022, 271, 107791.	5.6	13
34	Determining Crop and Pan Coefficients for Sugar Beet and Potato Crops under Cool Season Semiarid Climatic Conditions. <i>Journal of Agronomy and Crop Science</i> , 2007, 193, 146-152.	3.5	12
35	Use of a stabilized sewage sludge in combination with gypsum to improve saline-sodic soil properties leached by recycled wastewater under freeze-thaw conditions. <i>Journal of Environmental Management</i> , 2020, 274, 111171.	7.8	12
36	Growth, yield, water use and crop quality responses of lettuce to different irrigation quantities in a semi-arid region of high altitude. <i>Journal of Applied Horticulture</i> , 2016, 18, 195-202.	0.2	12

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37	The effect of consecutive applications of leaching water applied in equal, increasing or decreasing quantities on soil hydraulic conductivity of a saline sodic soil in the laboratory. <i>Soil Use and Management</i> , 2002, 18, 152-154.	4.9	10
38	Improved water productivity in summer squash under water deficit with PGPR and synthetic methyl amine applications. <i>Rhizosphere</i> , 2021, 20, 100446.	3.0	9
39	Effects of deficit irrigation on essential oil composition and yield of fennel (<i>Foeniculum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.7	8
40	Determining Crop and Pan Coefficients for Cauliflower and Red Cabbage Crops Under Cool Season Semiarid Climatic Conditions. <i>Agricultural Sciences in China</i> , 2009, 8, 167-171.	0.6	7
41	A comparison study on the removal of suspended solids from irrigation water with pumice and sandâ€“gravel media filters in the laboratory scale. <i>Desalination and Water Treatment</i> , 2013, 51, 2047-2054.	1.0	7
42	Yield and Heavy Metal Content of Wastewater-Irrigated Cauliflower and Soil Chemical Properties. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1194-1211.	1.4	7
43	Effects of Recycled Wastewater Applications with Different Irrigation Practices on the Chemical Properties of a Vertisol. <i>Environmental Engineering Science</i> , 2020, 37, 132-141.	1.6	7
44	EFFECTS OF SUBSTRATE AND IBA-CONCENTRATION ON ADVENTITIOUS ROOT FORMATION ON HARDWOOD CUTTINGS OF ROSA DUMALIS. <i>Acta Horticulturae</i> , 2005, , 149-152.	0.2	7
45	REGIONAL DISTRIBUTION AND SOME PHYSICO-CHEMICAL AND PHYSICAL PROPERTIES OF SOME SUBSTRATES USED IN HORTICULTURE IN TURKEY. <i>Acta Horticulturae</i> , 2004, , 177-183.	0.2	6
46	Energy use efficiency of deficit-irrigated silage maize in different soil tillage practices on a high plain with a semi-arid climate. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1611-1626.	2.6	6
47	Operational and yield performances and fuel-related CO2 emissions under different tillage-sowing practices in a rainfed crop rotation. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4563-4576.	3.5	6
48	Tillage and Irrigation Impacts on the Efficiency of Fossil Fuel Utilization for Hungarian Vetch Production and Fuel-Related CO ₂ Emissions. <i>Environmental Engineering Science</i> , 2020, 37, 201-213.	1.6	6
49	An assessment of the urban water footprint and blue water scarcity: A case study for Van (Turkey). <i>Brazilian Journal of Biology</i> , 2021, 82, e249745.	0.9	6
50	Effects of sewage sludge amendment and wettingâ€“drying cycles of wastewater irrigation on structural improvement of clay soil. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 6453-6466.	3.5	5
51	Van Ä°li TarÄ±m AlanlarÄ±nda Temiz ve AtÄ±k Su KaynaklarÄ±nÄ±n YÄ±netimi. <i>Yuzuncu Yil University Journal of Agricultural Sciences</i> , 2016, 26, 662-667.	0.3	5
52	Deficit irrigation with wastewater in direct sowed silage maize reduces CO2 emissions from soil by providing carbon savings. <i>Journal of Water and Climate Change</i> , 0, , .	2.9	5
53	SALINE-SODIC SOIL RECLAMATION WITH STABILIZED SEWAGE SLUDGE AND RECYCLED WASTEWATER. <i>Environmental Engineering and Management Journal</i> , 2020, 19, 2121-2137.	0.6	4
54	Decrease in Hydraulic Conductivity of Clay Soils with Salinity-Sodicity Problems due to Freezing and Thawing Effect. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2003, 53, 208-210.	0.6	3

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55	Yield and quality responses of drip-irrigated spinach to different irrigation quantities in a semi-arid region with a high altitude. <i>Journal of Central European Agriculture</i> , 2016, 17, 763-777.	0.6	3
56	Changes in physical and hydraulic properties of a clay soil due to the irrigation of tomatoes with recycled wastewater. <i>Eurasian Journal of Forest Science</i> , 0, , .	0.6	3
57	Van Ā°linde SilajlĀ±k MĀ±sĀ±r, Patates, Āžeker PancarĀ± ve YoncanĀ±n Su Ayak Ā°zi. <i>Yuzuncu Yil University Journal of Agricultural Sciences</i> , 0, , 195-203.	0.3	2
58	ArĀ±tĀ±lmĀ±ĀŸ AtĀ±k Suyun FarklĀ± Sulama YĀŸntemleriyle UygulanmasĀ±nĀ±n SilajlĀ±k MĀ±sĀ±rda Makro-Mikro Element ve AĀŸĀ±r Metal Birikimine Etkisi. <i>Journal of Tekirdag Agricultural Faculty</i> , 2020, 17, 12-23.	0.9	2
59	Irrigation Scheduling for the Planned Crop-Pattern to be Grown in Daphan Plain of Erzurum by Means of Computer Techniques. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 1996, 20, 415-423.	2.1	2
60	THE EFFECT OF DIFFERENT IRRIGATION APPLICATIONS ON THE BLOSSOM-END ROT IN TREATED WASTEWATERIRRIGATED TOMATOES (LYCOPERSICON ESCULENTUM). <i>Applied Ecology and Environmental Research</i> , 2019, 17, 2135-2147.	0.5	1
61	Yapay Sulak AlanlarĀ±nda AtĀ±k Su ArĀ±tĀ±mĀ± ve SoĀŸuk Ā°klime Sahip BĀŸlgelerde KullanĀ±m Ā±nerileri. <i>Yuzuncu Yil University Journal of Agricultural Sciences</i> , 0, , 651-656.	0.3	1
62	Manisa YĀŸresi Sulama Suyu KaynaklarĀ±nĀ±n Toprak, Bitki ve Damla Sulama Sistemi YĀŸnĀŸnden DeĀŸerlendirilmesi. <i>Turkish Journal of Agriculture: Food Science and Technology</i> , 2019, 7, 1648-1656.	0.3	1
63	Ertrag, physiologische Reaktionen und BewĀsserungswasserproduktivitĀt von Kapia-Paprika (<i>Capsicum Ānnum ĀL.</i>) bei DefizitbewĀsserung und unterschiedlichen Biokohlegehalten. <i>Gesunde Pflanzen</i> , 2023, 75, 317-327.	3.0	1
64	The Yield Responses to Crop Bioremediation Practices on Haplustept and Fluvaquent Saline-Sodic Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 2639-2657.	1.4	0
65	Monitoring Nutrient Uptake of Chard (<i>Beta vulgaris var. cicla L.</i>) Exposed to Exogenously Applied Nitric Oxide under Drought Stress. <i>AtatĀŸrk Āœniversitesi Ziraat FakĀŸltesi Dergisi</i> , 0, , .	0.2	0
66	AĀŸaĀŸĀ± Pasinler OvasĀ± Sulama Āžebekesinin PerformansĀ±nĀ±n (2012-2016) DeĀŸerlendirilmesi. <i>Yuzuncu Yil University Journal of Agricultural Sciences</i> , 0, , 466-472.	0.3	0