

# 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	Ertrag, physiologische Reaktionen und Bewässerungswasserproduktivität von Kapia-Paprika ( <i>Capsicum Annuum</i> L.) bei Defizitbewässerung und unterschiedlichen Biokohlegehalten. <i>Gesunde Pflanzen</i> , 2023, 75, 317-327.	3.0	1
2	Effects of sewage sludge amendment and wetting-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
3	CO2 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
4	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
5	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
6	Improving silage maize productivity using recycled wastewater under different irrigation methods. <i>Agricultural Water Management</i> , 2021, 255, 107051.	5.6	13
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Tillage and Irrigation Impacts on the Efficiency of Fossil Fuel Utilization for Hungarian Vetch Production and Fuel-Related CO <sub>2</sub> Emissions. <i>Environmental Engineering Science</i> , 2020, 37, 201-213.	1.6	6
17	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
18	Ağır Metallerin Toprak, Bitki, Su ve İnsan Sağlığına Etkileri. <i>Türkiye Ve Fen Dergisi</i> , 2020, 9, 103-114.	1.4	23

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19	Arıtılmamış Atık Suyun Farklı Sulama Yöntemleriyle Uygulanmasında Silajlık Mâsârdâ Makro-Mikro Element ve Aşırı Metal Birikimine Etkisi. Journal of Tekirdag Agricultural Faculty, 2020, 17, 12-23.	0.9	2
20	The deficit irrigation productivity and economy in strawberry in the different drip irrigation practices in a high plain with semi-arid climate. Scientia Horticulturae, 2019, 245, 47-56.	3.6	20
21	THE EFFECT OF DIFFERENT IRRIGATION APPLICATIONS ON THE BLOSSOM-END ROT IN TREATED WASTEWATER IRRIGATED TOMATOES (LYCOPERSICON ESCULENTUM). Applied Ecology and Environmental Research, 2019, 17, 2135-2147.	0.5	1
22	Manisa Yağrresi Sulama Suyu Kaynaklarındaki Toprak, Bitki ve Damla Sulama Sistemi Yağrından Değerlendirilmesi. Turkish Journal of Agriculture: Food Science and Technology, 2019, 7, 1648-1656.	0.3	1
23	Effects of deficit irrigation on essential oil composition and yield of fennel (<i>Foeniculum Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tff5	2.7	8
24	Effects of individual and combined effects of salinity and drought on physiological, nutritional and biochemical properties of cabbage ( <i>Brassica oleracea</i> var. capitata). Scientia Horticulturae, 2018, 240, 196-204.	3.6	145
25	Effects of different irrigation practices using treated wastewater on tomato yields, quality, water productivity, and soil and fruit mineral contents. Environmental Science and Pollution Research, 2017, 24, 24856-24879.	5.3	27
26	Yield and Heavy Metal Content of Wastewater-Irrigated Cauliflower and Soil Chemical Properties. Communications in Soil Science and Plant Analysis, 2017, 48, 1194-1211.	1.4	7
27	Changes in gas exchange capacity and selected physiological properties of squash seedlings (<i>Cucurbita pepo</i> L.) under well-watered and drought stress conditions. Archives of Agronomy and Soil Science, 2016, 62, 1700-1710.	2.6	32
28	Red cabbage yield, heavy metal content, water use and soil chemical characteristics under wastewater irrigation. Environmental Science and Pollution Research, 2016, 23, 6264-6276.	5.3	14
29	Amelioration of Drought Stress Adverse Effect and Mediating Biochemical Content of Cabbage Seedlings by Plant Growth Promoting Rhizobacteria. International Journal of Agriculture and Biology, 2016, , 948-956.	0.4	16
30	Growth, yield, water use and crop quality responses of lettuce to different irrigation quantities in a semi-arid region of high altitude. Journal of Applied Horticulture, 2016, 18, 195-202.	0.2	12
31	Yield and quality responses of drip-irrigated spinach to different irrigation quantities in a semi-arid region with a high altitude. Journal of Central European Agriculture, 2016, 17, 763-777.	0.6	3
32	Van Aöli Tarım Alanlarında Temiz ve Atık Su Kaynaklarındaki Yağrnetimi. Yuzuncu Yil University Journal of Agricultural Sciences, 2016, 26, 662-667.	0.3	5
33	The changes in the physical and hydraulic properties of a loamy soil under irrigation with simpler-reclaimed wastewaters. Agricultural Water Management, 2015, 158, 213-224.	5.6	33
34	Responses to the Irrigation Water Amount of Spinach Supplemented with Organic Amendment in Greenhouse Conditions. Communications in Soil Science and Plant Analysis, 2015, 46, 327-342.	1.4	26
35	The influence of different tillage practices on water content of soil and crop yield in vetch-winter wheat rotation compared to fallow-winter wheat rotation in a high altitude and cool climate. Agricultural Water Management, 2015, 160, 84-97.	5.6	17
36	Reclamation of Saline Sodic Soils with the Use of Mixed Fly Ash and Sewage Sludge. Arid Land Research and Management, 2015, 29, 41-54.	1.6	19

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37	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
38	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
39	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
40	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
41	A comparison study on the removal of suspended solids from irrigation water with pumice and sand-gravel media filters in the laboratory scale. <i>Desalination and Water Treatment</i> , 2013, 51, 2047-2054.	1.0	7
42	Evaluation of CaCO <sub>3</sub> clogging in emitters with magnetized saline waters. <i>Desalination and Water Treatment</i> , 2012, 40, 168-173.	1.0	14
43	Bacterial application increased the flow rate of CaCO <sub>3</sub> -clogged emitters of drip irrigation system. <i>Journal of Environmental Management</i> , 2012, 98, 37-42.	7.8	23
44	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
45	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
46	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
47	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
48	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
49	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
50	Effects of wastewater irrigation on soil and cabbage-plant ( <i>brassica oleracea</i> var. capitata cv.) <i>Tj ETQq0 0 0 rgBT /Oyerlock 10,If 50 222</i>	1.9	77
51	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
52	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
53	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
54	Biological treatment of clogged emitters in a drip irrigation system. <i>Journal of Environmental Management</i> , 2005, 76, 338-341.	7.8	32

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55	EFFECTS OF SUBSTRATE AND IBA-CONCENTRATION ON ADVENTITIOUS ROOT FORMATION ON HARDWOOD CUTTINGS OF ROSA DUMALIS. Acta Horticulturae, 2005, , 149-152.	0.2	7
56	REGIONAL DISTRIBUTION AND SOME PHYSICO-CHEMICAL AND PHYSICAL PROPERTIES OF SOME SUBSTRATES USED IN HORTICULTURE IN TURKEY. Acta Horticulturae, 2004, , 177-183.	0.2	6
57	Decrease in Hydraulic Conductivity of Clay Soils with Salinity-Sodicity Problems due to Freezing and Thawing Effect. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2003, 53, 208-210.	0.6	3
58	Effects of consecutive applications of gypsum in equal, increasing, and decreasing quantities on soil hydraulic conductivity of a saline-sodic soil. Journal of Plant Nutrition and Soil Science, 2003, 166, 621-624.	1.9	13
59	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. Soil Use and Management, 2002, 18, 152-154.	4.9	10
60	Irrigation Scheduling for the Planned Crop-Pattern to be Grown in Daphan Plain of Erzurum by Means of Computer Techniques. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 1996, 20, 415-423.	2.1	2
61	Monitoring Nutrient Uptake of Chard (Beta vulgaris var. cicla L.) Exposed to Exogenously Applied Nitric Oxide under Drought Stress. Atatürk Üniversitesi Ziraat Fakültesi Dergisi, 0, , .	0.2	0
62	Yapay Sulak Alanlarda Atık Su Arıtma ve Soğuk İklim Sahip Bölgelerde Kullanım Yolları. Yüzüncü Yıl University Journal of Agricultural Sciences, 0, , 651-656.	0.3	1
63	Ağaç Pasinler Ovası Sulama Şebekesinin Performansının (2012-2016) Değerlendirilmesi. Yüzüncü Yıl University Journal of Agricultural Sciences, 0, , 466-472.	0.3	0
64	Van Bölgesinde Silajlık Mısır, Patates, Şeker Pancarı ve Yonca'nın Su Ayak İzleri. Yüzüncü Yıl University Journal of Agricultural Sciences, 0, , 195-203.	0.3	2
65	Changes in physical and hydraulic properties of a clay soil due to the irrigation of tomatoes with recycled wastewater. Eurasian Journal of Forest Science, 0, , .	0.6	3
66	Deficit irrigation with wastewater in direct sowed silage maize reduces CO2 emissions from soil by providing carbon savings. Journal of Water and Climate Change, 0, , .	2.9	5