

# Georgios Kargas

## List of Publications by Year in descending order

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45  
papers

869  
citations

516215

16  
h-index

500791

28  
g-index

45  
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45  
docs citations

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times ranked

864  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Soil Texture on the Conversion Factor of 1:5 Soil/Water Extract Electrical Conductivity (EC1:5) to Soil Saturated Paste Extract Electrical Conductivity (ECe). <i>Water (Switzerland)</i> , 2022, 14, 642.	1.2	6
2	Determination of Soil Hydraulic Properties from Infiltration Data Using Various Methods. <i>Land</i> , 2022, 11, 779.	1.2	4
3	Saturated Hydraulic Conductivity Measurements in a Loam Soil Covered by Native Vegetation: Spatial and Temporal Variability in the Upper Soil Layer. <i>Geosciences (Switzerland)</i> , 2021, 11, 105.	1.0	4
4	Water use efficiency, growth and anatomic-physiological parameters of Mediterranean xerophytes as affected by substrate and irrigation on a green roof. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12283.	0.5	11
5	Implications of Hysteresis on the Horizontal Soil Water Redistribution after Infiltration. <i>Water (Switzerland)</i> , 2021, 13, 2773.	1.2	4
6	Characterizing surface soil layer saturated hydraulic conductivity in a Mediterranean natural watershed. <i>Hydrological Sciences Journal</i> , 2020, 65, 2616-2629.	1.2	9
7	The Effect of Soil Iron on the Estimation of Soil Water Content Using Dielectric Sensors. <i>Water (Switzerland)</i> , 2020, 12, 598.	1.2	8
8	Comparison of Soil EC Values from Methods Based on 1:1 and 1:5 Soil to Water Ratios and ECe from Saturated Paste Extract Based Method. <i>Water (Switzerland)</i> , 2020, 12, 1010.	1.2	29
9	Investigation of the Flux-Concentration Relation for Horizontal Flow in Soils. <i>Water (Switzerland)</i> , 2019, 11, 2442.	1.2	3
10	Performance evaluation of a recently developed soil water content, dielectric permittivity, and bulk electrical conductivity electromagnetic sensor. <i>Agricultural Water Management</i> , 2019, 213, 568-579.	2.4	37
11	Evaluation of hydrodynamic characteristics of porous media from one-step outflow experiments using RETC code. <i>Journal of Hydroinformatics</i> , 2018, 20, 699-707.	1.1	8
12	Soil Salinity Assessment Using Saturated Paste and Mass Soil:Water 1:1 and 1:5 Ratios Extracts. <i>Water (Switzerland)</i> , 2018, 10, 1589.	1.2	35
13	An Investigation of the Relationship between the Electrical Conductivity of the Soil Saturated Paste Extract ECe with the Respective Values of the Mass Soil/Water Ratios 1:1 and 1:5 (EC1:1 and EC1:5). <i>Proceedings (mdpi)</i> , 2018, 2, 661.	0.2	5
14	Investigation of the Relationship between Three- and One-Dimensional Infiltration Using a Mini Disc Infiltrometer. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	0
15	A Note on One- and Three-Dimensional Infiltration Analysis from a Mini Disc Infiltrometer. <i>Water (Switzerland)</i> , 2018, 10, 1783.	1.2	6
16	Determination of soil salinity based on WET measurements using the concept of salinity index. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 600-605.	1.1	4
17	Runoff reduction from extensive green roofs having different substrate depth and plant cover. <i>Ecological Engineering</i> , 2017, 102, 80-89.	1.6	89
18	Simulation of green roof runoff under different substrate depths and vegetation covers by coupling a simple conceptual and a physically based hydrological model. <i>Journal of Environmental Management</i> , 2017, 200, 434-445.	3.8	63

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19	Estimation of the Electrical Conductivity of Saturated Paste Extract Using a Dielectric Sensor. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, .	0.6	2
20	Prediction of Soil Solution Electrical Conductivity by the Permittivity Corrected Linear Model Using a Dielectric Sensor. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, 04017030.	0.6	10
21	Temporal variability of surface soil hydraulic properties under various tillage systems. Soil and Tillage Research, 2016, 158, 22-31.	2.6	41
22	Effect of tillage practices on the hydraulic properties of a loamy soil. Desalination and Water Treatment, 2015, 54, 2138-2146.	1.0	14
23	Discussion of "Calibration of the 10HS Soil Moisture Sensor for Southwest Florida Agricultural Soils" by David Spelman, Kristoph-Dietrich Kinzli, and Tanya Kunberger. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, 07014050.	0.6	2
24	Growth of the Native Xerophyte Convolvulus cneorum L. on an Extensive Mediterranean Green Roof under Different Substrate Types and Irrigation Regimens. Hortscience: A Publication of the American Society for Horticultural Science, 2015, 50, 1118-1124.	0.5	21
25	An adaptive approach to intensive green roofs in the Mediterranean climatic region. Urban Forestry and Urban Greening, 2013, 12, 380-392.	2.3	37
26	Soil texture and salinity effects on calibration of TDR300 dielectric moisture sensor. Soil Research, 2013, 51, 330.	0.6	15
27	Growth of Native Aromatic Xerophytes in an Extensive Mediterranean Green Roof as Affected by Substrate Type and Depth and Irrigation Frequency. Hortscience: A Publication of the American Society for Horticultural Science, 2013, 48, 1327-1333.	0.5	70
28	Moisture Content Measurements of Green Roof Substrates Using Two Dielectric Sensors. HortTechnology, 2013, 23, 177-186.	0.5	15
29	Performance Analysis and Calibration of a New Low-Cost Capacitance Soil Moisture Sensor. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 632-641.	0.6	49
30	Comparison of two models in predicting pore water electrical conductivity in different porous media. Geoderma, 2012, 189-190, 563-573.	2.3	15
31	Infiltration of rain water in semi-arid areas under three land surface treatments. Soil and Tillage Research, 2012, 120, 15-24.	2.6	34
32	A Contribution to the Study of the Phenomenon of Horizontal Infiltration. Water Resources Management, 2011, 25, 1131-1141.	1.9	7
33	WET Sensor Performance in Organic and Inorganic Media with Heterogeneous Moisture Distribution. Soil Science Society of America Journal, 2011, 75, 1244-1252.	1.2	20
34	Evaluation of a Dielectric Sensor for Measurement of Soil-Water Electrical Conductivity. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 553-558.	0.6	16
35	Simulation of Soil Moisture Profiles Using K(h) from Coupling Experimental Retention Curves and One-Step Outflow Data. Water Resources Management, 2009, 23, 3255-3266.	1.9	5
36	Performance of the theta probe ML2 in the presence of nonuniform soil water profiles. Soil and Tillage Research, 2009, 103, 425-432.	2.6	9

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37	DISCUSSION of "Soil water content and salinity determination using different dielectric methods in saline gypsiferous soil" Hydrological Sciences Journal, 2009, 54, 210-212.	1.2	2
38	Comments on the Paper "Application of the "Proportionate Partitioning" Method Suggested by Poulouvassilis and Kargas (2000) for Determination of the Domain Distribution Function" by Mualem and Beriozkin (2008). Transport in Porous Media, 2008, 75, 223.	1.2	1
39	Water content determination in mineral and organic porous media by ML2 theta probe. Irrigation and Drainage, 2008, 57, 435-449.	0.8	23
40	A new method for calculating hysteretic K(S) relationship. Transport in Porous Media, 2007, 68, 175-185.	1.2	4
41	The effect of different methods used for hysteretic K(h) determination on the infiltration simulations. Irrigation and Drainage, 2006, 55, 403-418.	0.8	4
42	Hysteretic K(S) Curve Prediction: Comparison of Two Models. Transport in Porous Media, 2005, 59, 97-113.	1.2	4
43	Olive-mill wastes compost as growing medium component for the production of poinsettia. Scientia Horticulturae, 2004, 102, 167-175.	1.7	84
44	Cotton gin trash compost and rice hulls as growing medium components for ornamentals. Journal of Horticultural Science and Biotechnology, 2001, 76, 431-435.	0.9	39
45	Evaluation of porous medium hydraulic properties using experimental methods and RETC code. Archives of Agronomy and Soil Science, 0, , 1-11.	1.3	1