

Jan G Wesseling

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

583
citations

759233

12
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

703
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of fire and ash on soil water retention. <i>Geoderma</i> , 2010, 159, 276-285.	5.1	118
2	A GIS-based approach for identifying potential sites for harvesting rainwater in the Western Desert of Iraq. <i>International Soil and Water Conservation Research</i> , 2018, 6, 297-304.	6.5	98
3	Methods for determining soil water repellency on field-moist samples. <i>Water Resources Research</i> , 2009, 45, .	4.2	78
4	Assessing the impact of climate change on rainwater harvesting in the Oum Zessar watershed in Southeastern Tunisia. <i>Agricultural Water Management</i> , 2019, 221, 131-140.	5.6	46
5	A water harvesting model for optimizing rainwater harvesting in the wadi Oum Zessar watershed, Tunisia. <i>Agricultural Water Management</i> , 2016, 176, 191-202.	5.6	39
6	The effect of soil surfactants on soil hydrological behavior, the plant growth environment, irrigation efficiency and water conservation. <i>Journal of Hydrology and Hydromechanics</i> , 2010, 58, 142-148.	2.0	30
7	Agrohydrological analysis of groundwater recharge and land use changes in the Pampas of Argentina. <i>Agricultural Water Management</i> , 2019, 213, 843-857.	5.6	30
8	Soil moisture prediction to support management in semiarid wetlands during drying episodes. <i>Catena</i> , 2016, 147, 709-724.	5.0	24
9	How Rock Fragments and Moisture Affect Soil Temperatures during Fire. <i>Soil Science Society of America Journal</i> , 2011, 75, 1133-1143.	2.2	19
10	Improvement of Water Movement in an Undulating Sandy Soil Prone to Water Repellency. <i>Vadose Zone Journal</i> , 2011, 10, 262-269.	2.2	17
11	A Feasibility Assessment of Potential Artificial Recharge for Increasing Agricultural Areas in the Kerbala Desert in Iraq Using Numerical Groundwater Modeling. <i>Water (Switzerland)</i> , 2021, 13, 3167.	2.7	17
12	Integration of transport concepts for risk assessment of pesticide erosion. <i>Science of the Total Environment</i> , 2016, 551-552, 563-570.	8.0	14
13	Impacts of grass removal on wetting and actual water repellency in a sandy soil. <i>Journal of Hydrology and Hydromechanics</i> , 2017, 65, 88-98.	2.0	11
14	Effects of a soil surfactant on grass performance and soil wetting of a fairway prone to water repellency. <i>Geoderma</i> , 2019, 338, 481-492.	5.1	9
15	A new, flexible and widely applicable software package for the simulation of one-dimensional moisture flow: SoWaM. <i>Environmental Modelling and Software</i> , 2009, 24, 1127-1132.	4.5	8
16	Describing the soil physical characteristics of soil samples with cubical splines. <i>Transport in Porous Media</i> , 2008, 71, 289-309.	2.6	6
17	The impact of sensitivity and uncertainty of soil physical parameters on the terms of the water balance: Some case studies with default R packages. Part I: Theory, methods and case descriptions. <i>Computers and Electronics in Agriculture</i> , 2020, 170, 105054.	7.7	6
18	Soil Moisture Flow in Drainage-Subirrigation System. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1987, 113, 86-97.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Animating measured precipitation and soil moisture data. Computers and Geosciences, 2008, 34, 658-666.	4.2	4
20	The impact of sensitivity and uncertainty of soil physical parameters on the terms of the water balance: Some case studies with default R packages. Part II: Results and discussion. Computers and Electronics in Agriculture, 2020, 170, 105072.	7.7	3
21	A software tool to visualize soil moisture dynamics of an irregular-shaped profile. Computers and Geosciences, 2013, 60, 51-57.	4.2	1