

Carlos Chavez

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

100
citations

1307594

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1474206

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22
all docs

22
docs citations

22
times ranked

42
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of Border Irrigation in Soils with the Presence of a Shallow Water Table. I: The Advance Phase. Agriculture (Switzerland), 2022, 12, 426.	3.1	3
2	Border Irrigation Modeling with the Barr� de Saint-Venant and Green and Ampt Equations. Mathematics, 2022, 10, 1039.	2.2	5
3	Fractional Growth Model with Delay for Recurrent Outbreaks Applied to COVID-19 Data. Mathematics, 2022, 10, 825.	2.2	0
4	Autocorrelation Ratio as a Measure of Inertia for the Classification of Extreme Events. Mathematics, 2022, 10, 2112.	2.2	1
5	How Surface Irrigation Contributes to Climate Change Resilience? A Case Study of Practices in Mexico. Sustainability, 2022, 14, 7689.	3.2	2
6	Hydrodynamic Border Irrigation Model: Comparison of Infiltration Equations. Water (Switzerland), 2022, 14, 2111.	2.7	1
7	Spatial Fractional Darcy's Law on the Diffusion Equation with a Fractional Time Derivative in Single-Porosity Naturally Fractured Reservoirs. Energies, 2022, 15, 4837.	3.1	2
8	Fractional Vertical Infiltration. Mathematics, 2021, 9, 383.	2.2	1
9	Saturated Hydraulic Conductivity Estimation Using Artificial Neural Networks. Water (Switzerland), 2021, 13, 705.	2.7	8
10	Fractional Growth Model Applied to COVID-19 Data. Mathematics, 2021, 9, 1915.	2.2	3
11	Evaluation and Development of Pedotransfer Functions for Predicting Saturated Hydraulic Conductivity for Mexican Soils. Agronomy, 2020, 10, 1516.	3.0	2
12	A Unifying Numerical Framework for the "Small-Slope"-Based Core-Annular Flow Instability Models. Mathematics, 2020, 8, 1941.	2.2	0
13	Water-Use Efficiency and Productivity Improvements in Surface Irrigation Systems. Agronomy, 2020, 10, 1759.	3.0	12
14	Modeling Soil Water Redistribution under Gravity Irrigation with the Richards Equation. Mathematics, 2020, 8, 1581.	2.2	10
15	Relating Hydraulic Conductivity Curve to Soil-Water Retention Curve Using a Fractal Model. Mathematics, 2020, 8, 2201.	2.2	3
16	Modeling of Artificial Groundwater Recharge by Wells: A Model Stratified Porous Medium. Mathematics, 2020, 8, 1764.	2.2	8
17	Analytic Representation of the Optimal Flow for Gravity Irrigation. Water (Switzerland), 2020, 12, 2710.	2.7	12
18	Validation of a photogrammetric model to estimate the body mass of northern elephant seal (<i>Mirounga angustirostris</i>) pups. Marine Mammal Science, 2020, 36, 1042-1049.	1.8	0

#	ARTICLE	IF	CITATIONS
19	Design and evaluation of surface irrigation systems applying an analytical formula in the irrigation district 085, La Begoña, Mexico. <i>Agricultural Water Management</i> , 2019, 221, 279-285.	5.6	16
20	Estudio de la calidad bacteriológica y parámetros fisicoquímicos del agua del Distrito de Riego 023. <i>Tecnología Y Ciencias Del Agua</i> , 2018, 09, 53-67.	0.3	7
21	Modelación bidimensional de la infiltración del agua en surcos aplicando el gradiente conjugado. <i>Tecnología Y Ciencias Del Agua</i> , 2018, 09, 89-100.	0.3	3