Carlos Chavez

List of Publications by Year
in descending order

21 papers	100 citations	1307594 7 h-index	1474206 9 g-index
22 all docs	22 docs citations	22 times ranked	42 citing authors

#	Article	IF	Citations
1	Design and evaluation of surface irrigation systems applying an analytical formula in the irrigation district 085, La BegoÃ±a, Mexico. Agricultural Water Management, 2019, 221, 279-285.	5.6	16
2	Water-Use Efficiency and Productivity Improvements in Surface Irrigation Systems. Agronomy, 2020, 10, 1759.	3.0	12
3	Analytic Representation of the Optimal Flow for Gravity Irrigation. Water (Switzerland), 2020, 12, 2710.	2.7	12
4	Modeling Soil Water Redistribution under Gravity Irrigation with the Richards Equation. Mathematics, 2020, 8, 1581.	2.2	10
5	Modeling of Artificial Groundwater Recharge by Wells: A Model Stratified Porous Medium. Mathematics, 2020, 8, 1764.	2.2	8
6	Saturated Hydraulic Conductivity Estimation Using Artificial Neural Networks. Water (Switzerland), 2021, 13, 705.	2.7	8
7	Estudio de la calidad bacteriolÃ³gica y parÃ¡metros fisicoquÃmicos del agua del Distrito de Riego 023. Tecnologia Y Ciencias Del Agua, 2018, 09, 53-67.	0.3	7
8	Border Irrigation Modeling with the BarrÃ© de Saint-Venant and Green and Ampt Equations. Mathematics, 2022, 10, 1039.	2.2	5
9	Relating Hydraulic Conductivity Curve to Soil-Water Retention Curve Using a Fractal Model. Mathematics, 2020, 8, 2201.	2.2	3
10	Fractional Growth Model Applied to COVID-19 Data. Mathematics, 2021, 9, 1915.	2.2	3
11	ModelaciÃ³n bidimensional de la infiltraciÃ³n del agua en surcos aplicando el gradiente conjugado. Tecnologia Y Ciencias Del Agua, 2018, 09, 89-100.	0.3	3
12	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
13	Evaluation and Development of Pedotransfer Functions for Predicting Saturated Hydraulic Conductivity for Mexican Soils. Agronomy, 2020, 10, 1516.	3.0	2
14	How Surface Irrigation Contributes to Climate Change Resilienceâ€”A Case Study of Practices in Mexico. Sustainability, 2022, 14, 7689.	3.2	2
15	Spatial Fractional Darcyâ€™s Law on the Diffusion Equation with a Fractional Time Derivative in Single-Porosity Naturally Fractured Reservoirs. Energies, 2022, 15, 4837.	3.1	2
16	Fractional Vertical Infiltration. Mathematics, 2021, 9, 383.	2.2	1
17	Autocorrelation Ratio as a Measure of Inertia for the Classification of Extreme Events. Mathematics, 2022, 10, 2112.	2.2	1
18	Hydrodynamic Border Irrigation Model: Comparison of Infiltration Equations. Water (Switzerland), 2022, 14, 2111.	2.7	1

#	Article	IF	Citations
19	A Unifying Numerical Framework for the â€œSmall-Slopeâ€•Based Core-Annular Flow Instability Models. Mathematics, 2020, 8, 1941.	2.2	0
20	Validation of a photogrammetric model to estimate the body mass of northern elephant seal (<scp>Mirounga angustirostris</scp>) pups. Marine Mammal Science, 2020, 36, 1042-1049.	1.8	0
21	Fractional Growth Model with Delay for Recurrent Outbreaks Applied to COVID-19 Data. Mathematics, 2022, 10, 825.	2.2	0