

# Gonzalo GarcÃ-a-Ros

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

105  
citations

1478505

6  
h-index

1372567

10  
g-index

19  
all docs

19  
docs citations

19  
times ranked

43  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous determination of the position, release time and mass release rate of an unknown gas emission source in short-term emissions by inverse problem. <i>Chemical Engineering Journal</i> , 2022, 445, 136782.	12.7	1
2	Design of a Thermal Measurement System with Vandal Protection Used for the Characterization of New Asphalt Pavements through Discriminated Dimensionless Analysis. <i>Mathematics</i> , 2022, 10, 1924.	2.2	2
3	Long-term artificial seawater irrigation as a sustainable environmental management strategy for abandoned solar salt works: The case study of Agua Amarga salt marsh (SE Spain). <i>Catena</i> , 2022, 217, 106429.	5.0	5
4	A Network Model for Electroosmotic and Pressure-Driven Flow in Porous Microfluidic Channels. <i>Mathematics</i> , 2022, 10, 2301.	2.2	1
5	Non-Stationary Contaminant Plumes in the Advective-Diffusive Regime. <i>Mathematics</i> , 2021, 9, 725.	2.2	5
6	Numerical Simulation of Heat Transport Problems in Porous Media Coupled with Water Flow Using the Network Method. <i>Energies</i> , 2021, 14, 5755.	3.1	1
7	Integrated water resources management in the basin of the Segura river (southeast Spain); an example of adaptation to drought periods. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	2.7	3
8	A different approach to the network method: continuity equation in flow through porous media under retaining structures. <i>Engineering Computations</i> , 2020, 37, 3269-3291.	1.4	6
9	Method to Determine the Constitutive Permeability Parameters of Non-Linear Consolidation Models by Means of the Oedometer Test. <i>Mathematics</i> , 2020, 8, 2237.	2.2	5
10	Network model for the numerical solution of groundwater flow: Application to partially penetrating retaining structures in geotechnical engineering. <i>Computational and Mathematical Methods</i> , 2019, 1, e1039.	0.8	0
11	Numerical simulation of seepage maps under dams with sheet piles on their ends. <i>Computational and Mathematical Methods</i> , 2019, 1, e1010.	0.8	1
12	Numerical simulation of nonlinear consolidation problems by models based on the network method. <i>Applied Mathematical Modelling</i> , 2019, 69, 604-620.	4.2	15
13	Dimensionless characterization of the non-linear soil consolidation problem of Davis and Raymond. Extended models and universal curves. <i>Applied Mathematics and Nonlinear Sciences</i> , 2019, 4, 61-78.	1.6	7
14	Universal solution for the characteristic time and the degree of settlement in nonlinear soil consolidation scenarios. A deduction based on nondimensionalization. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 57, 186-201.	3.3	17
15	Derivation of Universal Curves for Nonlinear Soil Consolidation with Potential Constitutive Dependences. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-15.	1.1	5
16	Powerful Software to Simulate Soil Consolidation Problems with Prefabricated Vertical Drains. <i>Water (Switzerland)</i> , 2018, 10, 242.	2.7	9
17	Use of discriminated nondimensionalization in the search of universal solutions for 2-D rectangular and cylindrical consolidation problems. <i>Open Geosciences</i> , 2018, 10, 209-221.	1.7	10
18	Numerical Simulation of Density-Driven Flow and Heat Transport Processes in Porous Media Using the Network Method. <i>Energies</i> , 2017, 10, 1359.	3.1	12

#	ARTICLE	IF	CITATIONS
19	Network Method As A Tool To Study The Influence Of The Position Of A Sheet Pile Under A Dam On Pore Pressure And Groundwater Flow. International Journal of Civil Infrastructure, 0, , .	0.0	0