

Fernando Brambila

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fractional Newton-Raphson Method Accelerated with Aitken's Method. <i>Axioms</i> , 2021, 10, 47.	1.9	19
2	Fractional Newton-Raphson Method. <i>Applied Mathematics and Sciences an International Journal (MathSJ)</i> , 2021, 8, 1-13.	1.2	12
3	Fractional derivative-based performance analysis of hybrid thermoelectric generator-concentrator photovoltaic system. <i>Applied Thermal Engineering</i> , 2021, 193, 116984.	6.0	11
4	Fractional Newton-Raphson Method and Some Variants for the Solution of Nonlinear Systems. <i>Applied Mathematics and Sciences an International Journal (MathSJ)</i> , 2020, 7, 13-27.	1.2	11
5	An Approximation to Zeros of the Riemann Zeta Function Using Fractional Calculus. <i>Mathematics and Statistics</i> , 2021, 9, 309-318.	0.4	10
6	Numerical solution using radial basis functions for multidimensional fractional partial differential equations of type Black-Scholes. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	2.2	8
7	Sets of Fractional Operators and Numerical Estimation of the Order of Convergence of a Family of Fractional Fixed-Point Methods. <i>Fractal and Fractional</i> , 2021, 5, 240.	3.3	8
8	Fractional Pseudo-newton Method and its use in the Solution of a Nonlinear System that Allows the Construction of a Hybrid Solar Receiver. <i>Applied Mathematics and Sciences an International Journal (MathSJ)</i> , 2020, 7, 01-12.	1.2	5
9	A Nonlinear System Related to Investment under Uncertainty Solved using the Fractional Pseudo-Newton Method. <i>Journal of Mathematical Sciences: Advances and Applications</i> , 2020, 63, 41-53.	0.1	4
10	Fractional Growth Model Applied to COVID-19 Data. <i>Mathematics</i> , 2021, 9, 1915.	2.2	3
11	Acceleration of the order of convergence of a family of fractional fixed-point methods and its implementation in the solution of a nonlinear algebraic system related to hybrid solar receivers. <i>Applied Mathematics and Computation</i> , 2022, 429, 127231.	2.2	2
12	How Surface Irrigation Contributes to Climate Change Resilience? A Case Study of Practices in Mexico. <i>Sustainability</i> , 2022, 14, 7689.	3.2	2
13	Spatial Fractional Darcy's Law on the Diffusion Equation with a Fractional Time Derivative in Single-Porosity Naturally Fractured Reservoirs. <i>Energies</i> , 2022, 15, 4837.	3.1	2
14	Quasi-Analytical Model of the Transient Behavior Pressure in an Oil Reservoir Made Up of Three Porous Media Considering the Fractional Time Derivative. <i>Mathematical and Computational Applications</i> , 2020, 25, 74.	1.3	1
15	Fractional Flow Equations: A Model for Pressure Deficit in an Oil Well. <i>Journal of Mathematical Sciences: Advances and Applications</i> , 2020, 63, 55-79.	0.1	1
16	Hydrodynamic Border Irrigation Model: Comparison of Infiltration Equations. <i>Water (Switzerland)</i> , 2022, 14, 2111.	2.7	1
17	Fractional Growth Model with Delay for Recurrent Outbreaks Applied to COVID-19 Data. <i>Mathematics</i> , 2022, 10, 825.	2.2	0