Luan Carlos de Sena Monteiro Ozelim

List of Publications by Year
in descending order

36 papers	152 citations	1307594 7 h-index	1372567 10 g-index
36 all docs	36 docs citations	36 times ranked	158 citing authors

#	Article	IF	Citations
1	On the identifiability of finite mixture of Skew-Normal and Skew-t distributions. Statistics and Probability Letters, 2015, 106, 103-108.	0.7	20
2	Explicit equations for infiltration. Journal of Hydrology, 2012, 426-427, 151-153.	5.4	13
3	Representative Elementary Volume Determination for Permeability and Porosity Using Numerical Three-Dimensional Experiments in Microtomography Data. International Journal of Geomechanics, 2018, 18, .	2.7	12
4	Combining Microtomography, 3D Printing, and Numerical Simulations to Study Scale Effects on the Permeability of Porous Media. International Journal of Geomechanics, 2019, 19, .	2.7	12
5	Cellular Automata and X-Ray Microcomputed Tomography Images for Generating Artificial Porous Media. International Journal of Geomechanics, 2016, 16, .	2.7	11
6	Exact distribution of the product and the quotient of two stable Lévy random variables. Communications in Nonlinear Science and Numerical Simulation, 2016, 36, 204-218.	3.3	9
7	Novel Approach to Consolidation Theory of Structured and Collapsible Soils. International Journal of Geomechanics, 2015, 15, .	2.7	8
8	Integral and Closed-Form Analytical Solutions to the Transport Contaminant Equation Considering 3D Advection and Dispersion. International Journal of Geomechanics, 2013, 13, 686-691.	2.7	7
9	Recent advances on solving the three-parameter infiltration equation. Journal of Hydrology, 2014, 509, 188-192.	5.4	7
10	Dielectric relaxation model of human blood as a superposition of Debye functions with relaxation times following a Modified-Weibull distribution. Heliyon, 2021, 7, e06606.	3.2	6
11	Structural Health Monitoring of Dams Based on Acoustic Monitoring, Deep Neural Networks, Fuzzy Logic and a CUSUM Control Algorithm. Sensors, 2022, 22, 2482.	3.8	6
12	Analytical Slope Stability Analysis Based on Statistical Characterization of Soil Primary Properties. International Journal of Geomechanics, 2015, 15, 06014018.	2.7	5
13	On the iota-delta function: a link between cellular automata and partial differential equations for modeling advection–dispersion from a constant source. Journal of Supercomputing, 2017, 73, 700-712.	3.6	5
14	Exact and approximate expressions for the reliability of stable Lévy random variables with applications to stock market modelling. Journal of Computational and Applied Mathematics, 2017, 321, 314-322.	2.0	5
15	10.25088/ComplexSystems.22.1.61. Complex Systems, 2013, 22, 75-99.	0.3	4
16	On the Iota-Delta Function: Mathematical Representation of Two-Dimensional Cellular Automata. Complex Systems, 2013, 22, 405-422.	0.3	3
17	Linear Combination and Reliability of Generalized Logistic Random Variables. European Journal of Pure and Applied Mathematics, 2019, 12, 722-733.	0.3	3
18	3D Cellular Automata as a Computational Tool to Generate Artificial Porous Media. International Journal of Geomechanics, 2018, 18, .	2.7	2

#	Article	IF	Citations
19	Spectrum sharing systems capacity under η-μ fading environments. Journal of the Franklin Institute, 2019, 356, 6741-6756.	3.4	2
20	Enhanced landfill's characterization by using an alternative analytical model for diffusion tests. Environmental Monitoring and Assessment, 2021, 193, 739.	2.7	2
21	Generalized Skewed Model for Spatial-Fractional Advective–Dispersive Phenomena. Sustainability, 2022, 14, 4024.	3.2	2
22	Portfolio Management of Copula-Dependent Assets Based on P(Y < X) Reliability Models: Revisiting Frank Copula and Dagum Distributions. Stats, 2021, 4, 1027-1050.	0.9	2
23	Combining Numerical Simulations, Artificial Intelligence and Intelligent Sampling Algorithms to Build Surrogate Models and Calculate the Probability of Failure of Urban Tunnels. Sustainability, 2022, 14, 6385.	3.2	2
24	ANALYTICAL SOLUTIONS FOR ALTERNATE DEPTHS. ISH Journal of Hydraulic Engineering, 2011, 17, 34-42.	2.1	1
25	The Iota-Delta Function as an Alternative to Boolean Formalism. International Journal of Foundations of Computer Science, 2018, 29, 415-423.	1.1	1
26	On the Iota-Delta Function: Universality in Cellular Automata's Representation. Complex Systems, 2012, 21, 283-296.	0.3	1
27	Estimating Shear Strength Properties of the Surrounding Soils Based on the Execution Energies of Piles. Geotechnics, 2022, 2, 457-466.	2.3	1
28	Closure to "Integral and Closed-Form Analytical Solutions to the Transport Contaminant Equation Considering 3D Advection and Dispersion" by Luan Carlos de S. M. Ozelim and André Luís Brasil Cavalcante. International Journal of Geomechanics, 2014, 14, 07014002.	2.7	0
29	Reply to comments on "Recent advances on solving the three-parameter infiltration equation" [J. Hydrol. 509 (2014) 188–192]. Journal of Hydrology, 2014, 517, 1164-1165.	5.4	0
30	On a new identity for the H-function with applications to the summation of hypergeometric series. Turkish Journal of Mathematics, 2018, 42, .	0.7	0
31	Corrigendum to "Exact and approximate expressions for the reliability of stable Levy random variables with applications to stock market modelling" [J. Comput. Appl. Math. 321 (2017) 314–322]. Journal of Computational and Applied Mathematics, 2018, 343, 771-773.	2.0	0
32	Analysis of the bearing capacity of continuous flight auger piles in terms of their excavation energy and of rainfall data. MATEC Web of Conferences, 2021, 337, 03010.	0.2	0
33	Revisiting the Lognormal Modelling of Shadowing Effects during Wireless Communications by Means of the α-η/α-μ Composite Distribution. Modelling, 2021, 2, 197-209.	1.4	0
34	Aplicação do método da Camada Contaminada Equivalente a resultados de ensaio de difusão em solos típicos do Distrito Federal.. , 0, , .		0
35	Statistical reinterpretation of dielectric relaxation models. Communications in Nonlinear Science and Numerical Simulation, 2021, , 106117.	3.3	0
36	Execution energy of continuous flight auger piles as an assessment tool to evaluate the mechanical response of the soil mass. Soils and Rocks, 2022, 45, 1-17.	0.5	0