Jose Rabi

List of Publications by Year
in descending order

31 papers	258 citations	933447 10 h-index	996975 15 g-index
32 all docs	32 docs citations	32 times ranked	289 citing authors

#	Article	IF	Citations
1	Covid-19 pandemic in the state of PiauÃ-(Brazil): Reported cases, deaths and bed occupancy. Brazilian Journal of Health and Biomedical Sciences, 2022, 21, .	0.2	0
2	Fractional modeling applied to tilting-pad journal bearings. International Journal of Dynamics and Control, 2021, 9, 225-229.	2.5	1
3	On multistep tumor growth models of fractional variable-order. BioSystems, 2021, 199, 104294.	2.0	22
4	Fractional Mathematical Oncology: On the potential of non-integer order calculus applied to interdisciplinary models. BioSystems, 2021, 204, 104377.	2.0	15
5	Influence of inner structure, porosity and degradation kinetics on pectin extraction from fruit peels in agitated-batch extractor: Computational modelling via lattice Boltzmann method. Food Structure, 2021, 29, 100209.	4.5	1
6	CONTINUOUS-FLOW EXTRACTION OF BIOCOMPOUNDS IN FIXED BED: INFLUENCE OF SWAPPING FROM DIRICHLET TO DANCKWERTS CONDITION AT INLET IN PHENOMENOLOGICAL MODELS. Brazilian Journal of Biosystems Engineering, 2021, 15, 538-560.	0.0	0
7	Can Fractional Calculus be Applied to Relativity?. Axiomathes, 2020, 30, 165-176.	0.6	2
8	Scaleâ€up of extraction processes: Dimensionless modeling and virtualization via lattice Boltzmann method. Journal of Food Process Engineering, 2020, 43, e13244.	2.9	3
9	Can fractional calculus help improve tumor growth models?. Journal of Computational and Applied Mathematics, 2020, 379, 112964.	2.0	33
10	Modeling of convective drying of cornstarch-alginate gel slabs. Journal of Food Engineering, 2019, 250, 9-17.	5.2	4
11	Development of in-house lattice-Boltzmann simulator of bioreactors for wastewater treatment: basic concepts and initial results. Water Science and Technology, 2018, 77, 838-847.	2.5	3
12	Numerical methods to biosystems and food engineering students: Handsâ€on practices and crossâ€disciplinary integration. Computer Applications in Engineering Education, 2018, 26, 1120-1133.	3.4	0
13	Development of an in-House Lattice-Boltzmann Simulator Towards Bioreactors for Wastewater Treatment: Underlying Concepts. Lecture Notes in Civil Engineering, 2017, , 113-120.	0.4	0
14	CFD Simulations of Fluid Dynamics Inside a Fixed-Bed Bioreactor for Sugarcane Vinasse Treatment. Lecture Notes in Civil Engineering, 2017, , 684-690.	0.4	1
15	Lattice-Boltzmann Simulation of Lipase Separation via Bioaffinity Chromatography: Imposing Dirichlet or Danckwerts Inlet Condition. Procedia Engineering, 2016, 157, 238-245.	1.2	5
16	Pressurized-fluid extraction of cafestol and kahweol diterpenes from green coffee. Innovative Food Science and Emerging Technologies, 2016, 37, 145-152.	5.6	24
17	Lattice Boltzmann simulation of cafestol and kahweol extraction from green coffee beans in high-pressure system. Journal of Food Engineering, 2016, 176, 88-96.	5.2	16
18	Lattice Boltzmann Simulation of Transport Phenomena in Food and Bioprocesses: Fundamentals and Applications. , 2016, , .		0

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19	Pectin Extraction from Mango Peels in Batch Reactor: Dynamic One-Dimensional Modeling and Lattice Boltzmann Simulation. Chemical Product and Process Modeling, 2015, 10, 203-210.	0.9	15
20	Biospecific Affinity Chromatography: Computational Modelling via Lattice Boltzmann Method and Influence of Lattice-Based Dimensionless Parameters. International Journal of Biotechnology for Wellness Industries, 2015, 4, 40-50.	0.3	9
21	Blast-cooling of beef-in-sauce catering meals: numerical results based on a dynamic zero-order model. International Journal of Food Studies, 2014, 3, 213-217.	0.8	2
22	Human thermal comfort: an irreversibility-based approach emulating empirical clothed-body correlations and the conceptual energy balance equation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2012, 34, 450-458.	1.6	6
23	Thermal performance of sisal fiber-cement roofing tiles for rural constructions. Scientia Agricola, 2011, 68, 1-7.	1.2	17
24	Introducing natural-convective chilling to food engineering undergraduate freshmen: Case studied assisted by CFD simulation and field visualization. Computer Applications in Engineering Education, 2009, 17, 34-43.	3.4	8
25	Response surface analysis of extract yield and flavour intensity of Brazilian cherry (Eugenia uniflora) Tj ETQq1 1 0.784314 rgBT /Overlo Technologies, 2009, 10, 189-194.	5.6	26
26	Parametric modelling and numerical simulation of natural-convective transport of radon-222 from a phosphogypsum stack into open air. Applied Mathematical Modelling, 2006, 30, 1546-1560.	4.2	13
27	Radon exhalation from phosphogypsum building boards: symmetry constraints, impermeable boundary conditions and numerical simulation of a test case. Journal of Environmental Radioactivity, 2006, 86, 164-175.	1.7	9
28	Radon-222 Exhalation Rates from Phosphogypsum-Bearing Embankment Subjected to Constant Temperature and Fixed Activity Concentration. Journal of Porous Media, 2005, 8, 175-191.	1.9	3
29	Multigrid correction-storage formulation applied to the numerical solution of incompressible laminar recirculating flows. Applied Mathematical Modelling, 2003, 27, 717-732.	4.2	1
30	Optimization of convergence acceleration in multigrid numerical solutions of conductiveâ€“convective problems. Applied Mathematics and Computation, 2001, 124, 215-226.	2.2	15
31	The effects of Peclet number and cycling strategy on multigrid numerical solutions of conductive-convective problems. , 1998, , .		4