

Jose Rabi

List of Publications by Year in descending order

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31
papers

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citations

933447

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996975

15
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32
all docs

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docs citations

32
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Can fractional calculus help improve tumor growth models?. Journal of Computational and Applied Mathematics, 2020, 379, 112964.	2.0	33
2	Response surface analysis of extract yield and flavour intensity of Brazilian cherry (Eugenia uniflora) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Technologies, 2009, 10, 189-194.	5.6	26
3	Pressurized-fluid extraction of cafestol and kahweol diterpenes from green coffee. Innovative Food Science and Emerging Technologies, 2016, 37, 145-152.	5.6	24
4	On multistep tumor growth models of fractional variable-order. BioSystems, 2021, 199, 104294.	2.0	22
5	Thermal performance of sisal fiber-cement roofing tiles for rural constructions. Scientia Agricola, 2011, 68, 1-7.	1.2	17
6	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
7	Optimization of convergence acceleration in multigrid numerical solutions of conductive-convective problems. Applied Mathematics and Computation, 2001, 124, 215-226.	2.2	15
8	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
9	Fractional Mathematical Oncology: On the potential of non-integer order calculus applied to interdisciplinary models. BioSystems, 2021, 204, 104377.	2.0	15
10	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
11	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
12	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
13	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
14	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
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	The effects of Peclet number and cycling strategy on multigrid numerical solutions of conductive-convective problems. , 1998, , .		4
17	Modeling of convective drying of cornstarch-alginate gel slabs. Journal of Food Engineering, 2019, 250, 9-17.	5.2	4
18	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

#	ARTICLE	IF	CITATIONS
19	Scale-up of extraction processes: Dimensionless modeling and virtualization via lattice Boltzmann method. <i>Journal of Food Process Engineering</i> , 2020, 43, e13244.	2.9	3
20	Radon-222 Exhalation Rates from Phosphogypsum-Bearing Embankment Subjected to Constant Temperature and Fixed Activity Concentration. <i>Journal of Porous Media</i> , 2005, 8, 175-191.	1.9	3
21	Can Fractional Calculus be Applied to Relativity?. <i>Axiomathes</i> , 2020, 30, 165-176.	0.6	2
22	Blast-cooling of beef-in-sauce catering meals: numerical results based on a dynamic zero-order model. <i>International Journal of Food Studies</i> , 2014, 3, 213-217.	0.8	2
23	Multigrid correction-storage formulation applied to the numerical solution of incompressible laminar recirculating flows. <i>Applied Mathematical Modelling</i> , 2003, 27, 717-732.	4.2	1
24	CFD Simulations of Fluid Dynamics Inside a Fixed-Bed Bioreactor for Sugarcane Vinasse Treatment. <i>Lecture Notes in Civil Engineering</i> , 2017, , 684-690.	0.4	1
25	Fractional modeling applied to tilting-pad journal bearings. <i>International Journal of Dynamics and Control</i> , 2021, 9, 225-229.	2.5	1
26	Influence of inner structure, porosity and degradation kinetics on pectin extraction from fruit peels in agitated-batch extractor: Computational modelling via lattice Boltzmann method. <i>Food Structure</i> , 2021, 29, 100209.	4.5	1
27	Development of an in-House Lattice-Boltzmann Simulator Towards Bioreactors for Wastewater Treatment: Underlying Concepts. <i>Lecture Notes in Civil Engineering</i> , 2017, , 113-120.	0.4	0
28	Numerical methods to biosystems and food engineering students: Hands-on practices and cross-disciplinary integration. <i>Computer Applications in Engineering Education</i> , 2018, 26, 1120-1133.	3.4	0
29	Lattice Boltzmann Simulation of Transport Phenomena in Food and Bioprocesses: Fundamentals and Applications. , 2016, , .		0
30	CONTINUOUS-FLOW EXTRACTION OF BIOCOMPOUNDS IN FIXED BED: INFLUENCE OF SWAPPING FROM DIRICHLET TO DANCKWERTS CONDITION AT INLET IN PHENOMENOLOGICAL MODELS. <i>Brazilian Journal of Biosystems Engineering</i> , 2021, 15, 538-560.	0.0	0
31	Covid-19 pandemic in the state of Piau (Brazil): Reported cases, deaths and bed occupancy. <i>Brazilian Journal of Health and Biomedical Sciences</i> , 2022, 21, .	0.2	0