

Mã-riam R Garcã-a

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

595
citations

566801

15
h-index

676716

22
g-index

57
all docs

57
docs citations

57
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of Bacterial Adaptation, Growth, and Death at Didecyltrimethylammonium Chloride sub-MIC Concentrations. <i>Frontiers in Microbiology</i> , 2022, 13, 758237.	1.5	6
2	The use of the so-called "superchilling"™ technique for the transport of fresh fishery products. <i>EFSA Journal</i> , 2021, 19, e06378.	0.9	4
3	A Critical Review of Disinfection Processes to Control SARS-CoV-2 Transmission in the Food Industry. <i>Foods</i> , 2021, 10, 283.	1.9	15
4	Comparativa entre modelos estocásticos de crecimiento bacteriano a distintas escalas. , 2021, , 442-449.		0
5	Modelling chronic toxicokinetics and toxicodynamics of copper in mussels considering ionoregulatory homeostasis and oxidative stress. <i>Environmental Pollution</i> , 2021, 287, 117645.	3.7	8
6	Development of a toxicokinetic-toxicodynamic model simulating chronic copper toxicity to the Zebra mussel based on subcellular fractionation. <i>Aquatic Toxicology</i> , 2021, 241, 106015.	1.9	4
7	Experimental Modeling and Identification of Cardiac Biomarkers Release in Acute Myocardial Infarction. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 183-195.	3.2	10
8	Mechanistic simulation of bioconcentration kinetics of waterborne Cd, Ag, Pd, and Pt in the zebra mussel <i>Dreissena polymorpha</i> . <i>Chemosphere</i> , 2020, 242, 124967.	4.2	5
9	Marine chondroitin sulfate of defined molecular weight by enzymatic depolymerization. <i>Carbohydrate Polymers</i> , 2020, 229, 115450.	5.1	11
10	Hyaluronic acid of tailored molecular weight by enzymatic and acid depolymerization. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 788-794.	3.6	14
11	The use of the so-called "tubs"™ for transporting and storing fresh fishery products. <i>EFSA Journal</i> , 2020, 18, e06091.	0.9	5
12	Model-based design of smart active packaging systems with antimicrobial activity. <i>Food Packaging and Shelf Life</i> , 2020, 24, 100446.	3.3	27
13	A mathematical model to predict early quality attributes in hake during storage at low temperature. <i>Journal of Food Engineering</i> , 2018, 222, 11-19.	2.7	11
14	Development of a PBPK Model for Silver Accumulation in Chub Infected with Acanthocephalan Parasites. <i>Environmental Science & Technology</i> , 2018, 52, 12514-12525.	4.6	12
15	Optimization of <i>E. coli</i> Inactivation by Benzalkonium Chloride Reveals the Importance of Quantifying the Inoculum Effect on Chemical Disinfection. <i>Frontiers in Microbiology</i> , 2018, 9, 1259.	1.5	23
16	Smart sensor to predict retail fresh fish quality under ice storage. <i>Journal of Food Engineering</i> , 2017, 197, 87-97.	2.7	42
17	A model for the biochemical degradation of inosine monophosphate in hake (<i>Merluccius merluccius</i>). <i>Journal of Food Engineering</i> , 2017, 200, 95-101.	2.7	11
18	Stochastic Individual-Based Modeling of Bacterial Growth and Division Using Flow Cytometry. <i>Frontiers in Microbiology</i> , 2017, 8, 2626.	1.5	25

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19	A Normalisation Strategy to Optimally Design Experiments in Computational Biology. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 126-136.	0.5	1
20	Modeling and Optimization Techniques with Applications in Food Processes, Bio-processes and Bio-systems. <i>SEMA SIMAI Springer Series</i> , 2016, , 187-216.	0.4	6
21	Toward predictive food process models: A protocol for parameter estimation. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 58, 1-14.	5.4	27
22	Quality and shelf-life prediction for retail fresh hake (<i>Merluccius merluccius</i>). <i>International Journal of Food Microbiology</i> , 2015, 208, 65-74.	2.1	33
23	Spatial Quantification of Cytosolic Ca^{2+} Accumulation in Nonexcitable Cells: An Analytical Study. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2014, 11, 592-603.	1.9	9
24	A single compartment model of pacemaking in dissassociated Substantia nigra neurons. <i>Journal of Computational Neuroscience</i> , 2013, 35, 295-316.	0.6	10
25	Real time optimization for quality control of batch thermal sterilization of prepackaged foods. <i>Food Control</i> , 2013, 32, 392-403.	2.8	29
26	Cumulative Signal Transmission in Nonlinear Reaction-Diffusion Networks. <i>PLoS ONE</i> , 2013, 8, e62834.	1.1	1
27	A Slow Axon Antidromic Blockade Hypothesis for Tremor Reduction via Deep Brain Stimulation. <i>PLoS ONE</i> , 2013, 8, e73456.	1.1	16
28	Reducing computational time via order reduction of a class of reaction-diffusion systems. , 2012, , .		1
29	Analytic computation of the integrated response in nonlinear reaction-diffusion systems. , 2012, , .		3
30	A robust multi-model predictive controller for distributed parameter systems. <i>Journal of Process Control</i> , 2012, 22, 60-71.	1.7	45
31	Positive feedback in the Akt/mTOR pathway and its implications for growth signal progression in skeletal muscle cells: An analytical study. <i>Journal of Theoretical Biology</i> , 2012, 301, 15-27.	0.8	5
32	Energetics of Ion Transport in Dopaminergic Substantia nigra Neurons. , 2012, , 81-109.		2
33	On-line estimation in a distributed parameter bioreactor: Application to the gluconic acid production. <i>Computers and Chemical Engineering</i> , 2011, 35, 84-91.	2.0	4
34	Deep brain stimulation may reduce tremor by preferential blockade of slower axons via antidromic activation. , 2011, , .		4
35	Real time optimisation for thermal processes. , 2009, , .		1
36	Neurofuzzy model based predictive control for thermal batch processes. <i>Journal of Process Control</i> , 2009, 19, 1566-1575.	1.7	28

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37	Exponential observers for distributed tubular (bio)reactors. <i>AIChE Journal</i> , 2008, 54, 2943-2956.	1.8	19
38	Robust feed-back control of travelling waves in a class of reaction-diffusion distributed biological systems. <i>Physica D: Nonlinear Phenomena</i> , 2008, 237, 2353-2364.	1.3	26
39	Indirect adaptive linearizing control of a class of bioprocesses - Estimator tuning procedure. <i>Journal of Process Control</i> , 2008, 18, 27-35.	1.7	19
40	Desarrollo De Una Librería De Componentes En Ecosimpro Para La Operación De Plantas De Procesamiento Térmico De Alimentos. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , 2008, 5, 51-65.	0.6	4
41	Intelligent Control Based on Reinforcement Learning for Batch Thermal Sterilization of Canned Foods. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008, 41, 3568-3573.	0.4	3
42	A LIBRARY OF SOFTWARE COMPONENTS FOR THE OPERATION OF THERMAL FOOD PROCESSING PLANTS. <i>Acta Horticulturae</i> , 2008, , 141-146.	0.1	0
43	REAL TIME OPTIMIZATION OF THE THERMAL PROCESSING OF BIOPRODUCTS. <i>Acta Horticulturae</i> , 2008, , 155-162.	0.1	0
44	Optimal Field Reconstruction of Distributed Process Systems from Partial Measurements. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 530-539.	1.8	36
45	Robust feed-back control of distributed chemical reaction systems. <i>Chemical Engineering Science</i> , 2007, 62, 2941-2957.	1.9	15
46	Stabilization of inhomogeneous patterns in a diffusion-reaction system under structural and parametric uncertainties. <i>Journal of Theoretical Biology</i> , 2006, 241, 295-306.	0.8	12
47	An efficient real-time dynamic optimization architecture for the control of non-isothermal tubular reactors. <i>Computer Aided Chemical Engineering</i> , 2005, , 1333-1338.	0.3	1
48	On systematic model reduction techniques for dynamic optimization and robust control of distributed process systems. <i>Computer Aided Chemical Engineering</i> , 2004, , 841-846.	0.3	2
49	State Reconstruction in Spatially Distributed BioProcess Systems using Reduced Order Models: Application to the Gluconic Acid Production.. , 0, , .		0
50	Computer-aided design of active packaging/food system for extended shelf life. , 0, , .		0