Velislava N Lyubenova

List of Publications by Year
in descending order

25	169	1307594 7	1199594 12
papers	citations	h-index	g-index

26	26	26	137
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear estimation of specific growth rate for aerobic fermentation processes. Biotechnology and Bioengineering, 1995, 47, 626-632.	3.3	29
2	Estimation of multiple biomass growth rates and biomass concentration in a class of bioprocesses. Bioprocess and Biosystems Engineering, 2003, 25, 395-406.	3.4	23
3	Indirect adaptive linearizing control of a class of bioprocesses â€“ Estimator tuning procedure. Journal of Process Control, 2008, 18, 27-35.	3.3	19
4	On-line estimation of biomass concentration and non stationary parameters for aerobic bioprocesses. Journal of Biotechnology, 1996, 46, 197-207.	3.8	14
5	Stable adaptive algorithm for simultaneous estimation of time-varying parameters and state variables in aerobic bioprocesses. Bioprocess and Biosystems Engineering, 1999, 21, 219.	0.5	11
6	Kinetic Characteristics of Alcohol Fermentation in Brewing: State of Art and Control of the Fermentation Process. , 2019, , 529-575.		8
7	Escherichia coli Cultivation Process Modelling Using ABC-GA Hybrid Algorithm. Processes, 2021, 9, 1418.	2.8	8
8	Adaptive control of the Simultaneous Saccharificationâ€”Fermentation Process from Starch to Ethanol. Computer Aided Chemical Engineering, 2008, 25, 489-494.	0.5	7
9	TWO-STEP PARAMETER AND STATE ESTIMATION OF THE ANAEROBIC DIGESTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 455-460.	0.4	6
10	Model-Based Monitoring of Biotechnological Processesâ€”A Review. Processes, 2021, 9, 908.	2.8	6
11	MIMO adaptive linearizing control of fed-batch amino acids simultaneous production. Bioprocess and Biosystems Engineering, 2000, 22, 79-84.	0.5	5
12	Software sensor design considering oscillating conditions as present in industrial scale fedâ€batch cultivations. Biotechnology and Bioengineering, 2013, 110, 1945-1955.	3.3	5
13	Control of one Stage Bio Ethanol Production by Recombinant Strain. Biotechnology and Biotechnological Equipment, 2007, 21, 372-376.	1.3	4
14	Reaction Rate Estimators of Fed-Batch Process for Poly-Î²-Hydroxybutyrate (PHB) Production by Mixed Culture. Biotechnology and Biotechnological Equipment, 2007, 21, 113-116.	1.3	4
15	On-line estimation in a distributed parameter bioreactor: Application to the gluconic acid production. Computers and Chemical Engineering, 2011, 35, 84-91.	3.8	4
16	On-line estimation of physiological states for monitoring and control of bioprocesses. AIMS Bioengineering, 2017, 4, 93-112.	1.1	4
17	Control of Î±-amylase production by Bacillus subtilis. Bioprocess and Biosystems Engineering, 2011, 34, 367-374.	3.4	3
18	An Interactive Teaching System for Kinetics Modelling of Biotechnological Processes. , 2018, , .		3

#	Article	IF	Citations
19	Adaptive Monitoring of Biotechnological Processes Kinetics. Processes, 2020, 8, 1307.	2.8	3
20	Investigation of Different Regimes of Beer Fermentation with Free and Immobilized Cells. Periodica Polytechnica: Chemical Engineering, 2020, 64, 162-171.	1.1	1
21	Metaheuristic Algorithms: Theory and Applications. Studies in Computational Intelligence, 2021, , 385-419.	0.9	1
22	Investigation of Fermentation Regimes for the Production of Low-alcohol and Non-alcohol Beers. Periodica Polytechnica: Chemical Engineering, 2021, 65, 229-237.	1.1	1
23	State Reconstruction in Spatially Distributed BioProcess Systems using Reduced Order Models: Application to the Gluconic Acid Production.. , 0, , .		0
24	PRODUCTION OF LACTIC ACID WORT-BASED BEVERAGES WITH MINT ESSENTIAL OIL ADDITION. , 2021, , 5-11.		0
25	PRODUCTION OF LACTIC ACID WORT-BASED BEVERAGES WITH MINT ESSENTIAL OIL ADDITION. , 2021, 2021, 5-11.		0