InÃªs A Isidro

List of Publications by Year
in descending order

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20 papers	322 citations	933447 10 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	462 citing authors

#	Article	IF	Citations
1	Multi attribute method implementation using a High Resolution Mass Spectrometry platform: From sample preparation to batch analysis. PLoS ONE, 2022, 17, e0262711.	2.5	13
2	Online monitoring of hiPSC expansion and hepatic differentiation in 3D culture by dielectric spectroscopy. Biotechnology and Bioengineering, 2021, 118, 3610-3617.	3.3	11
3	Application of LDH assay for therapeutic efficacy evaluation of ex vivo tumor models. Scientific Reports, 2021, 11, 18571.	3.3	20
4	A computational diffusion model to study antibody transport within reconstructed tumor microenvironments. BMC Bioinformatics, 2020, 21, 529.	2.6	7
5	Dielectric Spectroscopy to Improve the Production of rAAV Used in Gene Therapy. Processes, 2020, 8, 1456.	2.8	10
6	Holographic Imaging of Insect Cell Cultures: Online Non-Invasive Monitoring of Adeno-Associated Virus Production and Cell Concentration. Processes, 2020, 8, 487.	2.8	15
7	Unveiling dynamic metabolic signatures in human induced pluripotent and neural stem cells. PLoS Computational Biology, 2020, 16, e1007780.	3.2	5
8	Enabling PAT in insect cell bioprocesses: In situ monitoring of recombinant adenoâ€associated virus production by fluorescence spectroscopy. Biotechnology and Bioengineering, 2019, 116, 2803-2814.	3.3	23
9	Hybrid semiparametric systems for quantitative sequence-activity modeling of synthetic biological parts. Synthetic Biology, 2018, 3, ysy010.	2.2	7
10	Hybrid modeling of microbial exopolysaccharide (EPS) production: The case of Enterobacter A47. Journal of Biotechnology, 2017, 246, 61-70.	3.8	3
11	Modeling of the burst release from PLGA micro- and nanoparticles as function of physicochemical parameters and formulation characteristics. International Journal of Pharmaceutics, 2017, 532, 229-240.	5.2	84
12	Hybrid metabolic flux analysis and recombinant protein prediction in Pichia pastoris X-33 cultures expressing a single-chain antibody fragment. Bioprocess and Biosystems Engineering, 2016, 39, 1351-1363.	3.4	15
13	A principal components method constrained by elementary flux modes: analysis of flux data sets. BMC Bioinformatics, 2016, 17, 200.	2.6	3
14	Principal elementary mode analysis (PEMA). Molecular BioSystems, 2016, 12, 737-746.	2.9	13
15	Analysis of culture media screening data by projection to latent pathways: The case of Pichia pastoris X-33. Journal of Biotechnology, 2016, 217, 82-89.	3.8	3
16	Fast development of Pichia pastoris GS115 Mut+ cultures employing batch-to-batch control and hybrid semi-parametric modeling. Bioprocess and Biosystems Engineering, 2014, 37, 629-639.	3.4	21
17	Design of Pathway-Level Bioprocess Monitoring and Control Strategies Supported by Metabolic Networks. Advances in Biochemical Engineering/Biotechnology, 2012, 132, 193-215.	1.1	0
18	Projection to latent pathways (PLP): a constrained projection to latent variables (PLS) method for elementary flux modes discrimination. BMC Systems Biology, 2011, 5, 181.	3.0	11

#	Article	IF	Citations
19	Hybrid metabolic flux analysis: combining stoichiometric and statistical constraints to model the formation of complex recombinant products. BMC Systems Biology, 2011, 5, 34.	3.0	41
20	Cell functional enviromics: Unravelling the function of environmental factors. BMC Systems Biology, 2011, 5, 92.	3.0	17