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	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
2	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
3	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
4	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
5	Application of LDH assay for therapeutic efficacy evaluation of ex vivo tumor models. Scientific Reports, 2021, 11, 18571.	3.3	20
6	Cell functional enviromics: Unravelling the function of environmental factors. BMC Systems Biology, 2011, 5, 92.	3.0	17
7	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
8	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
9	Principal elementary mode analysis (PEMA). Molecular BioSystems, 2016, 12, 737-746.	2.9	13
10	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
11	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
12	Online monitoring of hiPSC expansion and hepatic differentiation in 3D culture by dielectric spectroscopy. Biotechnology and Bioengineering, 2021, 118, 3610-3617.	3.3	11
13	Dielectric Spectroscopy to Improve the Production of rAAV Used in Gene Therapy. Processes, 2020, 8, 1456.	2.8	10
14	Hybrid semiparametric systems for quantitative sequence-activity modeling of synthetic biological parts. Synthetic Biology, 2018, 3, ysy010.	2.2	7
15	A computational diffusion model to study antibody transport within reconstructed tumor microenvironments. BMC Bioinformatics, 2020, 21, 529.	2.6	7
16	Unveiling dynamic metabolic signatures in human induced pluripotent and neural stem cells. PLoS Computational Biology, 2020, 16, e1007780.	3.2	5
17	A principal components method constrained by elementary flux modes: analysis of flux data sets. BMC Bioinformatics, 2016, 17, 200.	2.6	3
18	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

#	Article	IF	Citations
19	Hybrid modeling of microbial exopolysaccharide (EPS) production: The case of Enterobacter A47. Journal of Biotechnology, 2017, 246, 61-70.	3.8	3
20	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