Uwe Jandt

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1543306/publications.pdf

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24	255	933264 10	996849 15
papers	citations	h-index	g-index

25	25	25	271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of criteria for bioreactor comparison and operation standardization for mammalian cell culture. Engineering in Life Sciences, 2012, 12, 518-528.	2.0	32
2	Mammalian cell culture synchronization under physiological conditions and population dynamic simulation. Applied Microbiology and Biotechnology, 2014, 98, 4311-4319.	1.7	20
3	Synchronized mammalian cell culture: Part IIâ€"population ensemble modeling and analysis for development of reproducible processes. Biotechnology Progress, 2015, 31, 175-185.	1.3	20
4	Modelâ€based identification of cellâ€cycleâ€dependent metabolism and putative autocrine effects in antibody producing CHO cell culture. Biotechnology and Bioengineering, 2018, 115, 2996-3008.	1.7	20
5	Full Enzyme Complex Simulation: Interactions in Human Pyruvate Dehydrogenase Complex. Journal of Chemical Information and Modeling, 2018, 58, 362-369.	2.5	18
6	Processâ€induced cell cycle oscillations in CHO cultures: Online monitoring and modelâ€based investigation. Biotechnology and Bioengineering, 2019, 116, 2931-2943.	1.7	16
7	Human Pyruvate Dehydrogenase Complex E2 and E3BP Core Subunits: New Models and Insights from Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2016, 120, 4399-4409.	1.2	14
8	Spatiotemporal modeling and analysis of transient gene delivery. Biotechnology and Bioengineering, 2011, 108, 2205-2217.	1.7	13
9	Synchronized mammalian cell culture: Part Iâ€"A physical strategy for synchronized cultivation under physiological conditions. Biotechnology Progress, 2015, 31, 165-174.	1.3	12
10	Investigation of Core Structure and Stability of Human Pyruvate Dehydrogenase Complex: A Coarse-Grained Approach. ACS Omega, 2017, 2, 1134-1145.	1.6	12
11	Growth kinetics and validation of nearâ€physiologically synchronized HEK293S Cultures. Engineering in Life Sciences, 2015, 15, 509-518.	2.0	9
12	Measurement of length distribution of beta-lactoglobulin fibrils by multiwavelength analytical ultracentrifugation. European Biophysics Journal, 2020, 49, 745-760.	1.2	9
13	Modeling of Intracellular Transport and Compartmentation. , 2011, 127, 221-249.		8
14	Toward Multiscale Modeling of Proteins and Bioagglomerates: An Orientation-Sensitive Diffusion Model for the Integration of Molecular Dynamics and the Discrete Element Method. Journal of Chemical Information and Modeling, 2019, 59, 386-398.	2.5	8
15	Criteria for bioreactor comparison and operation standardisation during process development for mammalian cell culture. BMC Proceedings, 2011, 5, P47.	1.8	7
16	Reengineering of the human pyruvate dehydrogenase complex: from disintegration to highly active agglomerates. Biochemical Journal, 2017, 474, 865-875.	1.7	7
17	Physical methods for synchronization of a human production cell line. BMC Proceedings, 2011, 5, P49.	1.8	5
18	Weak cell cycle dependency but strong distortive effects of transfection with Lipofectamine 2000 in nearâ€physiologically synchronized cell culture. Engineering in Life Sciences, 2017, 17, 348-356.	2.0	5

#	Article	IF	Citations
19	Quantification of the dynamics of population heterogeneities in CHO cultures with stably integrated fluorescent markers. Analytical and Bioanalytical Chemistry, 2020, 412, 2065-2080.	1.9	5
20	Regulation of pyruvate dehydrogenase complex related to lactate switch in CHO cells. Engineering in Life Sciences, 2021, 21, 100-114.	2.0	5
21	Direct and highly sensitive measurement of fluorescent molecules in bulk solutions using flow cytometry. Analytical Biochemistry, 2019, 570, 32-42.	1.1	3
22	CHO cells engineered for fluorescence read out of cell cycle and growth rate in real time. Biotechnology Progress, 2017, 33, 1408-1417.	1.3	2
23	Near-Physiological Cell Cycle Synchronization with Countercurrent Centrifugal Elutriation. Methods in Molecular Biology, 2020, 2095, 3-16.	0.4	2
24	Characterisation of cultivation of the human cell line AGE1.HN.AAT. BMC Proceedings, 2011, 5, P87.	1.8	1