

Andrew J Racher

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8400129/publications.pdf>

Version: 2024-02-01

36
papers

1,839
citations

331670

21
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

1374
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibody production. <i>Advanced Drug Delivery Reviews</i> , 2006, 58, 671-685.	13.7	462
2	On the Optimal Ratio of Heavy to Light Chain Genes for Efficient Recombinant Antibody Production by CHO Cells. <i>Biotechnology Progress</i> , 2008, 21, 122-133.	2.6	183
3	Comparative proteomic analysis of GS-NS0 murine myeloma cell lines with varying recombinant monoclonal antibody production rate. <i>Biotechnology and Bioengineering</i> , 2004, 88, 474-488.	3.3	120
4	Control of Culture Environment for Improved Polyethylenimine-Mediated Transient Production of Recombinant Monoclonal Antibodies by CHO Cells. <i>Biotechnology Progress</i> , 2006, 22, 753-762.	2.6	93
5	Cell line-specific control of recombinant monoclonal antibody production by CHO cells. <i>Biotechnology and Bioengineering</i> , 2010, 106, 938-951.	3.3	90
6	Functional heterogeneity and heritability in CHO cell populations. <i>Biotechnology and Bioengineering</i> , 2013, 110, 260-274.	3.3	88
7	Functional proteomic analysis of GS-NS0 murine myeloma cell lines with varying recombinant monoclonal antibody production rate. <i>Biotechnology and Bioengineering</i> , 2006, 94, 830-841.	3.3	76
8	Strategies for selecting recombinant CHO cell lines for cGMP manufacturing: Improving the efficiency of cell line generation. <i>Biotechnology Progress</i> , 2010, 26, 1455-1464.	2.6	59
9	Rapid whole monoclonal antibody analysis by mass spectrometry: An Ultra scale-down study of the effect of harvesting by centrifugation on the post-translational modification profile. <i>Biotechnology and Bioengineering</i> , 2010, 107, 85-95.	3.3	55
10	Effect of viscosity upon hydrodynamically controlled natural aggregates of animal cells grown in stirred vessels. <i>Biotechnology Progress</i> , 1995, 11, 575-583.	2.6	48
11	Proteomic analysis of enriched microsomal fractions from GS-NS0 murine myeloma cells with varying secreted recombinant monoclonal antibody productivities. <i>Proteomics</i> , 2005, 5, 4689-4704.	2.2	48
12	Metabolic Rates, Growth Phase, and mRNA Levels Influence Cell-Specific Antibody Production Levels from In Vitro-Cultured Mammalian Cells at Sub-Physiological Temperatures. <i>Molecular Biotechnology</i> , 2008, 39, 69-77.	2.4	48
13	Rapid high-throughput characterisation, classification and selection of recombinant mammalian cell line phenotypes using intact cell MALDI-ToF mass spectrometry fingerprinting and PLS-DA modelling. <i>Journal of Biotechnology</i> , 2014, 184, 84-93.	3.8	46
14	Dynamic analysis of GS-NS0 cells producing a recombinant monoclonal antibody during fed-batch culture. <i>Biotechnology and Bioengineering</i> , 2007, 97, 410-424.	3.3	45
15	Strategies for selecting Recombinant CHO cell lines for cGMP manufacturing: Realizing the potential in bioreactors. <i>Biotechnology Progress</i> , 2010, 26, 1446-1454.	2.6	43
16	Comparison of spectroscopy technologies for improved monitoring of cell culture processes in miniature bioreactors. <i>Biotechnology Progress</i> , 2017, 33, 337-346.	2.6	36
17	Diversity in host clone performance within a Chinese hamster ovary cell line. <i>Biotechnology Progress</i> , 2015, 31, 1187-1200.	2.6	33
18	Impact of gene vector design on the control of recombinant monoclonal antibody production by chinese hamster ovary cells. <i>Biotechnology Progress</i> , 2011, 27, 1689-1699.	2.6	31

#	ARTICLE	IF	CITATIONS
19	The use of glutamine synthetase as a selection marker: recent advances in Chinese hamster ovary cell line generation processes. <i>Pharmaceutical Bioprocessing</i> , 2013, 1, 487-502.	0.8	31
20	Engineering of Chinese hamster ovary cell lipid metabolism results in an expanded ER and enhanced recombinant biotherapeutic protein production. <i>Metabolic Engineering</i> , 2020, 57, 203-216.	7.0	29
21	Evaluation of individual protein errors in silver-stained two-dimensional gels. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 1050-1055.	2.1	28
22	Improving the accuracy of flux balance analysis through the implementation of carbon availability constraints for intracellular reactions. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2339-2352.	3.3	26
23	An empirical modeling platform to evaluate the relative control discrete CHO cell synthetic processes exert over recombinant monoclonal antibody production process titer. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2193-2204.	3.3	19
24	Methionine sulfoximine supplementation enhances productivity in GS-CHO cell lines through glutathione biosynthesis. <i>Biotechnology Progress</i> , 2017, 33, 17-25.	2.6	16
25	Culture of 293 cells in different culture systems: Cell growth and recombinant adenovirus production. <i>Biotechnology Letters</i> , 1995, 9, 169-174.	0.5	14
26	Tracking the physical stability of fluorescent-labeled mAbs under physiologic in vitro conditions in human serum and PBS. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 152, 193-201.	4.3	11
27	Use of the Glutamine Synthetase (GS) Expression System for the Rapid Development of Highly Productive Mammalian Cell Processes. , 0, , 809-832.		10
28	On the statistical analysis of the GS-NSO cell proteome: Imputation, clustering and variability testing. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1179-1187.	2.3	10
29	A proline metabolism selection system and its application to the engineering of lipid biosynthesis in Chinese hamster ovary cells. <i>Metabolic Engineering Communications</i> , 2021, 13, e00179.	3.6	8
30	Implementation of Plate Imaging for Demonstration of Monoclonality in Biologics Manufacturing Development. <i>PDA Journal of Pharmaceutical Science and Technology</i> , 2018, 72, 438-450.	0.5	7
31	Building a Cell Culture Process with Stable Foundations: Searching for Certainty in an Uncertain World. <i>Cell Engineering</i> , 2015, , 373-406.	0.4	5
32	Report and recommendation of a workshop on education and training for measurement, monitoring, modelling and control (M ³ C) in biochemical engineering. <i>Biotechnology Journal</i> , 2010, 5, 359-367.	3.5	4
33	Data for engineering lipid metabolism of Chinese hamster ovary (CHO) cells for enhanced recombinant protein production. <i>Data in Brief</i> , 2020, 29, 105217.	1.0	4
34	Intact-Cell MALDI-ToF Mass Spectrometry for the Authentication of Drug-Adapted Cancer Cell Lines. <i>Cells</i> , 2019, 8, 1194.	4.1	3
35	Extraction of indirectly captured information for use in a comparison of offline pH measurement technologies. <i>Journal of Biotechnology</i> , 2017, 251, 160-165.	3.8	2
36	Does earlier use of productivity enhancers during cell line selection lead to the identification of more productive cell lines?. <i>BMC Proceedings</i> , 2011, 5, P9.	1.6	0