

Friedemann Hesse

List of Publications by Year in descending order

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32
papers

928
citations

535685

17
h-index

511568

30
g-index

33
all docs

33
docs citations

33
times ranked

1224
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput glycosylation analysis of intact monoclonal antibodies by mass spectrometry coupled with capillary electrophoresis and liquid chromatography. <i>Journal of Separation Science</i> , 2022, 45, 2034-2044.	1.3	8
2	Infrared attenuated total reflection and 2D fluorescence spectroscopy for the discrimination of differently aggregated monoclonal antibodies. <i>Analyst</i> , 2019, 144, 6334-6341.	1.7	0
3	Identification of process conditions influencing protein aggregation in Chinese hamster ovary cell culture. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1173-1185.	1.7	22
4	High-throughput analysis of sub-visible mAb aggregate particles using automated fluorescence microscopy imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4149-4156.	1.9	19
5	Estimating Extrinsic Dyes for Fluorometric Online Monitoring of Antibody Aggregation in CHO Fed-Batch Cultivations. <i>Bioengineering</i> , 2017, 4, 65.	1.6	3
6	Fluorometric In Situ Monitoring of an Escherichia coli Cell Factory with Cytosolic Expression of Human Glycosyltransferase GalNAcT2: Prospects and Limitations. <i>Bioengineering</i> , 2016, 3, 32.	1.6	4
7	Temperature-sensitive miR-483 is a conserved regulator of recombinant protein and viral vector production in mammalian cells. <i>Biotechnology and Bioengineering</i> , 2016, 113, 830-841.	1.7	29
8	miRNA profiling of high, low and non-producing CHO cells during biphasic fed-batch cultivation reveals process relevant targets for host cell engineering. <i>Journal of Biotechnology</i> , 2016, 225, 31-43.	1.9	19
9	Exploring the capabilities of fluorometric online monitoring on chinese hamster ovary cell cultivations producing a monoclonal antibody. <i>Biotechnology Progress</i> , 2016, 32, 1592-1600.	1.3	10
10	The influence of bisphenol A on mammalian cell cultivation. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 113-124.	1.7	6
11	Annotation of additional evolutionary conserved microRNAs in CHO cells from updated genomic data. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1488-1493.	1.7	13
12	Identification of process parameters influencing product quality in mammalian cell culture. <i>BMC Proceedings</i> , 2015, 9, .	1.8	0
13	miR-2861 as novel HDAC5 inhibitor in CHO cells enhances productivity while maintaining product quality. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2142-2153.	1.7	35
14	Noncoding RNAs, post-transcriptional RNA operons and Chinese hamster ovary cells. <i>Pharmaceutical Bioprocessing</i> , 2015, 3, 227-247.	0.8	15
15	Fluorescence dye-based detection of mAb aggregates in CHO culture supernatants. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4849-4856.	1.9	24
16	Direct analysis of mAb aggregates in mammalian cell culture supernatant. <i>BMC Biotechnology</i> , 2014, 14, 99.	1.7	34
17	Optimizing the transient transfection process of HEK-293 suspension cells for protein production by nucleotide ratio monitoring. <i>Cytotechnology</i> , 2014, 66, 493-514.	0.7	33
18	Chinese hamster genome sequenced from sorted chromosomes. <i>Nature Biotechnology</i> , 2013, 31, 694-695.	9.4	160

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19	How can measurement, monitoring, modeling and control advance cell culture in industrial biotechnology?. <i>Biotechnology Journal</i> , 2012, 7, 1522-1529.	1.8	49
20	Identification of a novel temperature sensitive promoter in cho cells. <i>BMC Biotechnology</i> , 2011, 11, 51.	1.7	38
21	A study on the temperature dependency and time course of the cold capture antibody secretion assay. <i>Journal of Biotechnology</i> , 2009, 141, 80-83.	1.9	34
22	Identification of CHO Endogenous Promoter Elements Based on a Genomic Library Approach. <i>Molecular Biotechnology</i> , 2008, 39, 135-139.	1.3	18
23	Transcriptional profiling of phenotypically different Epo- α Fc expressing CHO clones by cross-species microarray analysis. <i>Biotechnology Journal</i> , 2008, 3, 924-937.	1.8	22
24	Functional analysis of the broadly neutralizing human anti-HIV-1 antibody 2F5 produced in transgenic B γ 2 suspension cultures. <i>FASEB Journal</i> , 2007, 21, 1655-1664.	0.2	84
25	Improvement of the energy metabolism of recombinant CHO cells by cell sorting for reduced mitochondrial membrane potential. <i>Journal of Biotechnology</i> , 2007, 129, 651-657.	1.9	27
26	Evaluation of a genomics platform for cross-species transcriptome analysis of recombinant CHO cells. <i>Biotechnology Journal</i> , 2006, 1, 639-650.	1.8	26
27	Intracellular nucleotide pools and ratios as tools for monitoring dedifferentiation of primary porcine hepatocytes in culture. <i>Cytotechnology</i> , 2006, 51, 119-132.	0.7	3
28	On-Line Detection of Microbial Contaminations in Animal Cell Reactor Cultures Using an Electronic Nose Device. <i>Cytotechnology</i> , 2005, 48, 41-58.	0.7	17
29	LIVER-SPECIFIC PHYSIOLOGY OF IMMORTAL, FUNCTIONALLY DIFFERENTIATED HEPATOCYTES AND OF DEFICIENT HEPATOCYTE-LIKE VARIANTS. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2004, 40, 318.	0.7	4
30	Comparison of a Production Process in a Membrane-Aerated Stirred Tank and up to 1000-L Airlift Bioreactors Using BHK-21 Cells and Chemically Defined Protein-Free Medium. <i>Biotechnology Progress</i> , 2003, 19, 833-843.	1.3	20
31	Developments and improvements in the manufacturing of human therapeutics with mammalian cell cultures. <i>Trends in Biotechnology</i> , 2000, 18, 173-180.	4.9	66
32	A novel cultivation technique for long-term maintenance of bloodstream form trypanosomes in vitro. <i>Molecular and Biochemical Parasitology</i> , 1995, 70, 157-166.	0.5	86