Gerald Klanert

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6673044/publications.pdf

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23	450	687363 13	713466 21
papers	citations	h-index	g-index

25	25	25	524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stable overexpression of miR-17 enhances recombinant protein production of CHO cells. Journal of Biotechnology, 2014, 175, 38-44.	3.8	67
2	CRISPRâ€Based Targeted Epigenetic Editing Enables Gene Expression Modulation of the Silenced Betaâ€Galactoside Alphaâ€2,6â€Sialyltransferase 1 in CHO Cells. Biotechnology Journal, 2018, 13, e1700217.	3.5	50
3	Epigenetic regulation of gene expression in Chinese Hamster Ovary cells in response to the changing environment of a batch culture. Biotechnology and Bioengineering, 2019, 116, 677-692.	3.3	37
4	The contributions of individual galactosyltransferases to protein specific N-glycan processing in Chinese Hamster Ovary cells. Journal of Biotechnology, 2018, 282, 101-110.	3.8	32
5	Transcriptomic changes in CHO cells after adaptation to suspension growth in protein-free medium analysed by a species-specific microarray. Journal of Biotechnology, 2017, 257, 13-21.	3.8	25
6	OPP Labeling Enables Total Protein Synthesis Quantification in CHO Production Cell Lines at the Singleâ€Cell Level. Biotechnology Journal, 2018, 13, e1700492.	3.5	23
7	A cross-species whole genome siRNA screen in suspension-cultured Chinese hamster ovary cells identifies novel engineering targets. Scientific Reports, 2019, 9, 8689.	3.3	21
8	Endogenous microRNA clusters outperform chimeric sequence clusters in Chinese hamster ovary cells. Biotechnology Journal, 2014, 9, 538-544.	3.5	20
9	Systematic use of synthetic 5â€²-UTR RNA structures to tune protein translation improves yield and quality of complex proteins in mammalian cell factories. Nucleic Acids Research, 2020, 48, e119-e119.	14.5	20
10	Enhanced targeted DNA methylation of the CMV and endogenous promoters with dCas9-DNMT3A3L entails distinct subsequent histone modification changes in CHO cells. Metabolic Engineering, 2021, 66, 268-282.	7.0	17
11	A signature of 12 microRNAs is robustly associated with growth rate in a variety of CHO cell lines. Journal of Biotechnology, 2016, 235, 150-161.	3.8	16
12	A CRISPR/Cas9 based engineering strategy for overexpression of multiple genes in Chinese hamster ovary cells. Metabolic Engineering, 2018, 48, 72-81.	7.0	16
13	Random epigenetic modulation of CHO cells by repeated knockdown of DNA methyltransferases increases population diversity and enables sorting of cells with higher production capacities. Biotechnology and Bioengineering, 2020, 117, 3435-3447.	3.3	15
14	Directed evolution approach to enhance efficiency and speed of outgrowth during single cell subcloning of Chinese Hamster Ovary cells. Computational and Structural Biotechnology Journal, 2020, 18, 1320-1329.	4.1	15
15	Analysis of microRNA transcription and post-transcriptional processing by Dicer in the context of CHO cell proliferation. Journal of Biotechnology, 2014, 190, 76-84.	3.8	14
16	Annotation of additional evolutionary conserved microRNAs in CHO cells from updated genomic data. Biotechnology and Bioengineering, 2015, 112, 1488-1493.	3.3	13
17	Subcloning induces changes in the DNAâ€methylation pattern of outgrowing Chinese hamster ovary cell colonies. Biotechnology Journal, 2021, 16, e2000350.	3.5	11
18	mRNA Transfection into CHOâ€Cells Reveals Production Bottlenecks. Biotechnology Journal, 2020, 15, 1900198.	3.5	9

#	Article	IF	Citations
19	How to train your cell - Towards controlling phenotypes by harnessing the epigenome of Chinese hamster ovary production cell lines. Biotechnology Advances, 2022, 56, 107924.	11.7	9
20	Heparin-binding motif mutations of human diamine oxidase allow the development of a first-in-class histamine-degrading biopharmaceutical. ELife, 2021, 10, .	6.0	7
21	A pooled CRISPR/AsCpf1 screen using paired gRNAs to induce genomic deletions in Chinese hamster ovary cells. Biotechnology Reports (Amsterdam, Netherlands), 2021, 31, e00649.	4.4	5
22	Fluorescence microscopy-based quantitation of GLUT4 translocation. Methods and Applications in Fluorescence, 2022, 10, 022001.	2.3	4
23	Transient manipulation of the expression level of selected growth rate correlating microRNAs does not increase growth rate in CHO-K1 cells. Journal of Biotechnology, 2019, 295, 63-70.	3.8	2