

Zizhuo Xing

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

686
citations

759233

12
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	Scale-up analysis for a CHO cell culture process in large-scale bioreactors. <i>Biotechnology and Bioengineering</i> , 2009, 103, 733-746.	3.3	171
2	Optimizing amino acid composition of CHO cell culture media for a fusion protein production. <i>Process Biochemistry</i> , 2011, 46, 1423-1429.	3.7	82
3	Modeling kinetics of a large-scale fed-batch CHO cell culture by Markov chain Monte Carlo method. <i>Biotechnology Progress</i> , 2010, 26, 208-219.	2.6	64
4	Combined metabolomics and proteomics reveals hypoxia as a cause of lower productivity on scale-up to a 5000-liter CHO bioprocess. <i>Biotechnology Journal</i> , 2016, 11, 1190-1200.	3.5	63
5	Effects of culture conditions on <i>N</i> -glycolylneuraminic acid (Neu5Gc) content of a recombinant fusion protein produced in CHO cells. <i>Biotechnology and Bioengineering</i> , 2010, 105, 1048-1057.	3.3	61
6	Cell culture and gene transcription effects of copper sulfate on Chinese hamster ovary cells. <i>Biotechnology Progress</i> , 2011, 27, 1190-1194.	2.6	57
7	Purification, cloning, and functional expression of phenylalanine aminomutase: The first committed step in Taxol side-chain biosynthesis. <i>Archives of Biochemistry and Biophysics</i> , 2005, 438, 1-10.	3.0	49
8	Identifying Inhibitory Threshold Values of Repressing Metabolites in CHO Cell Culture Using Multivariate Analysis Methods. <i>Biotechnology Progress</i> , 2008, 24, 675-683.	2.6	39
9	Protein aggregation and mitigation strategy in low pH viral inactivation for monoclonal antibody purification. <i>MAbs</i> , 2019, 11, 1479-1491.	5.2	36
10	Hypoxia influences protein transport and epigenetic repression of CHO cell cultures in shake flasks. <i>Biotechnology Journal</i> , 2014, 9, 1413-1424.	3.5	17
11	A carbon dioxide stripping model for mammalian cell culture in manufacturing scale bioreactors. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1184-1194.	3.3	16
12	Feed development for fed-batch CHO production process by semisteady state analysis. <i>Biotechnology Progress</i> , 2010, 26, 797-804.	2.6	13
13	Control of antibody high and low molecular weight species by depth filtration-based cell culture harvesting. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2610-2620.	3.3	12
14	Reduction of N-terminal methionylation while increasing titer by lowering metabolic and protein production rates in <i>E. coli</i> auto-induced fed-batch fermentation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1199-1208.	3.0	3
15	A CFD model for predicting protein aggregation in low-pH viral inactivation for mAb production. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3400-3412.	3.3	3