Yuansheng Yang

List of Publications by Year in Descending Order

49 papers	1,749 citations	23 h-index	41 g-index
50 ext. papers	2,012 ext. citations	4.1 avg, IF	4.61 L-index

#	Paper	IF	Citations
49	Multiplexed engineering glycosyltransferase genes in CHO cells via targeted integration for producing antibodies with diverse complex-type N-glycans. *Scientific Reports*, **2021**, 11, 12969	4.9	3
48	Gold Nanoparticle-based "Mix and Measure" Fluorimetric Assays to Quantify Antibody Titer. *Chemistry - an Asian Journal*, **2021**, 16, 3188-3193	4.5	0
47	Investigation of the effect of salt additives in Protein L affinity chromatography for the purification of tandem single-chain variable fragment bispecific antibodies. *MAbs*, **2020**, 12, 1718440	6.6	10
46	A comprehensive CHO SWATH-MS spectral library for robust quantitative profiling of 10,000 proteins. *Scientific Data*, **2020**, 7, 263	8.2	7
45	Proteomics insight into the production of monoclonal antibody. *Biochemical Engineering Journal*, **2019**, 145, 177-185	4.2	7
44	Conservation of oncofetal antigens on human embryonic stem cells enables discovery of monoclonal antibodies against cancer. *Scientific Reports*, **2018**, 8, 11608	4.9	3
43	Comparative phenotypic analysis of CHO clones and culture media for lactate shift. *Journal of Biotechnology*, **2018**, 283, 97-104	3.7	8
42	Targeting of embryonic annexin A2 expressed on ovarian and breast cancer by the novel monoclonal antibody 2448. *Oncotarget*, **2018**, 9, 13206-13221	3.3	15
41	An IRES-Mediated Tricistronic Vector for Efficient Generation of Stable, High-Level Monoclonal Antibody Producing CHO DG44 Cell Lines. *Methods in Molecular Biology*, **2018**, 1827, 335-349	1.4	4
40	miR-92a enhances recombinant protein productivity in CHO cells by increasing intracellular cholesterol levels. *Biotechnology Journal*, **2017**, 12, 1600488	5.6	16
39	Mammalian Systems Biotechnology Reveals Global Cellular Adaptations in a Recombinant CHO Cell Line. *Cell Systems*, **2017**, 4, 530-542.e6	10.6	65
38	Optimized Selection Marker and CHO Host Cell Combinations for Generating High Monoclonal Antibody Producing Cell Lines. *Biotechnology Journal*, **2017**, 12, 1700175	5.6	9
37	Impact of Signal Peptides on Furin-2A Mediated Monoclonal Antibody Secretion in CHO Cells. *Biotechnology Journal*, **2017**, 12, 1700268	5.6	5
36	Correlation Between Expression of Recombinant Proteins and Abundance of H3K4Me3 on the Enhancer of Human Cytomegalovirus Major Immediate-Early Promoter. *Molecular Biotechnology*, **2017**, 59, 315-322	3	5
35	Evaluating the use of a CpG free promoter for long-term recombinant protein expression stability in Chinese hamster ovary cells. *BMC Biotechnology*, **2016**, 16, 71	3.5	15
34	Challenges of glycosylation analysis and control: an integrated approach to producing optimal and consistent therapeutic drugs. *Drug Discovery Today*, **2016**, 21, 740-65	8.8	128
33	Advance chromatin extraction improves capture performance of protein A affinity chromatography. *Journal of Chromatography A*, **2016**, 1431, 1-7	4.5	36

32	Impact of hydrolysates on monoclonal antibody productivity, purification and quality in Chinese hamster ovary cells. *Journal of Bioscience and Bioengineering*, **2016**, 122, 499-506	3.3	9
31	Inactivation of GDP-fucose transporter gene (Slc35c1) in CHO cells by ZFNs, TALENs and CRISPR-Cas9 for production of fucose-free antibodies. *Biotechnology Journal*, **2016**, 11, 399-414	5.6	43
30	Non-immunospecific association of immunoglobulin G with chromatin during elution from protein A inflates host contamination, aggregate content, and antibody loss. *Journal of Chromatography A*, **2015**, 1408, 151-60	4.5	30
29	Characterization of DNA in cell culture supernatant by fluorescence-detection size-exclusion chromatography. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 4173-81	4.4	6
28	IgG Aggregation Mechanism for CHO Cell Lines Expressing Excess Heavy Chains. *Molecular Biotechnology*, **2015**, 57, 625-34	3	9
27	Impact of using different promoters and matrix attachment regions on recombinant protein expression level and stability in stably transfected CHO cells. *Molecular Biotechnology*, **2015**, 57, 138-44	3	47
26	Optimization of heavy chain and light chain signal peptides for high level expression of therapeutic antibodies in CHO cells. *PLoS ONE*, **2015**, 10, e0116878	3.7	58
25	Cleavage efficient 2A peptides for high level monoclonal antibody expression in CHO cells. *MAbs*, **2015**, 7, 403-12	6.6	78
24	Overexpression of microRNAs enhances recombinant protein production in Chinese hamster ovary cells. *Biotechnology Journal*, **2014**, 9, 1140-51	5.6	36
23	Identifying and engineering promoters for high level and sustainable therapeutic recombinant protein production in cultured mammalian cells. *Biotechnology Letters*, **2014**, 36, 1569-79	3	17
22	Insertion of core CpG island element into human CMV promoter for enhancing recombinant protein expression stability in CHO cells. *Biotechnology Progress*, **2014**, 30, 523-34	2.8	26
21	Toward stable gene expression in CHO cells. *Bioengineered*, **2014**, 5, 340-5	5.7	16
20	Chromatin-mediated depression of fractionation performance on electronegative multimodal chromatography media, its prevention, and ramifications for purification of immunoglobulin G. *Journal of Chromatography A*, **2014**, 1374, 145-155	4.5	27
19	Nonspecific interactions of chromatin with immunoglobulin G and protein A, and their impact on purification performance. *Journal of Chromatography A*, **2014**, 1340, 68-78	4.5	49
18	Liquid formulations for long-term storage of monoclonal IgGs. *Applied Biochemistry and Biotechnology*, **2013**, 169, 1431-48	3.2	18
17	Enhanced expression of codon optimized interferon gamma in CHO cells. *Journal of Biotechnology*, **2013**, 167, 326-33	3.7	27
16	Control of IgG LC:HC ratio in stably transfected CHO cells and study of the impact on expression, aggregation, glycosylation and conformational stability. *Journal of Biotechnology*, **2013**, 165, 157-66	3.7	57
15	Advances in Mammalian cell line development technologies for recombinant protein production. *Pharmaceuticals*, **2013**, 6, 579-603	5.2	203

14	An internal ribosome entry site (IRES) mutant library for tuning expression level of multiple genes in mammalian cells. *PLoS ONE*, **2013**, 8, e82100	3.7	30
13	Generation of monoclonal antibody-producing mammalian cell lines. *Pharmaceutical Bioprocessing*, **2013**, 1, 71-87		29
12	Comparison of internal ribosome entry site (IRES) and Furin-2A (F2A) for monoclonal antibody expression level and quality in CHO cells. *PLoS ONE*, **2013**, 8, e63247	3.7	40
11	Post-transcriptional regulatory elements for enhancing transient gene expression levels in mammalian cells. *Methods in Molecular Biology*, **2012**, 801, 125-35	1.4	6
10	IRES-mediated Tricistronic vectors for enhancing generation of high monoclonal antibody expressing CHO cell lines. *Journal of Biotechnology*, **2012**, 157, 130-9	3.7	112
9	Rapid characterization of protein productivity and production stability of CHO cells by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 1407-12	2.2	16
8	Evaluating post-transcriptional regulatory elements for enhancing transient gene expression levels in CHO K1 and HEK293 cells. *Protein Expression and Purification*, **2010**, 69, 9-15	2	38
7	Evaluating regulatory elements of human cytomegalovirus major immediate early gene for enhancing transgene expression levels in CHO K1 and HEK293 cells. *Journal of Biotechnology*, **2010**, 147, 160-3	3.7	18
6	DNA methylation contributes to loss in productivity of monoclonal antibody-producing CHO cell lines. *Journal of Biotechnology*, **2010**, 147, 180-5	3.7	91
5	Mutated polyadenylation signals for controlling expression levels of multiple genes in mammalian cells. *Biotechnology and Bioengineering*, **2009**, 102, 1152-60	4.9	25
4	A study of monoclonal antibody-producing CHO cell lines: what makes a stable high producer?. *Biotechnology and Bioengineering*, **2009**, 102, 1182-96	4.9	229
3	Determination of carbon dioxide production rates for mammalian cells in 24-well plates. *BioTechniques*, **2004**, 36, 286-90, 292, 294-5	2.5	5
2	96-well plate assay for sublethal metabolic activity. *Assay and Drug Development Technologies*, **2004** , 2, 353-61	2.1	10
1	24-well plate spectrophotometric assay for preliminary screening of metabolic activity. *Assay and Drug Development Technologies*, **2003**, 1, 461-8	2.1	8