

# Biopharmaceutical benchmarks 2014

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Production and binding analyses of a humanised scFv against a cryptic epitope on tumour-associated fibronectin. <i>Protein Expression and Purification</i> , 2013, 88, 157-163.	0.6	4
2	Industry perspective on Chinese hamster ovary cell "omics"™. <i>Pharmaceutical Bioprocessing</i> , 2014, 2, 377-381.	0.8	4
3	Fusion tags for protein solubility, purification and immunogenicity in <i>Escherichia coli</i> : the novel Fh8 system. <i>Frontiers in Microbiology</i> , 2014, 5, 63.	1.5	295
4	Oral delivery of Acid Alpha Glucosidase epitopes expressed in plant chloroplasts suppresses antibody formation in treatment of Pompe mice. <i>Plant Biotechnology Journal</i> , 2015, 13, 1023-1032.	4.1	51
5	Low-cost oral delivery of protein drugs bioencapsulated in plant cells. <i>Plant Biotechnology Journal</i> , 2015, 13, 1017-1022.	4.1	64
6	Multi-omic profiling of EPO-producing Chinese hamster ovary cell panel reveals metabolic adaptation to heterologous protein production. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2373-2387.	1.7	20
7	CRISPR/Cas9-mediated genome engineering of CHO cell factories: Application and perspectives. <i>Biotechnology Journal</i> , 2015, 10, 979-994.	1.8	104
8	Versatile microscale screening platform for improving recombinant protein productivity in Chinese hamster ovary cells. <i>Scientific Reports</i> , 2015, 5, 18016.	1.6	23
9	Selenocystamine improves protein accumulation in chloroplasts of eukaryotic green algae. <i>AMB Express</i> , 2015, 5, 126.	1.4	6
10	Monitorization of pH and OTR using a multiple shake flask platform: A tool for metabolism and cell growth assessment in mammalian cell cultures. <i>BMC Proceedings</i> , 2015, 9, .	1.8	0
11	Development of Flow Imaging Analysis for Subvisible Particle Characterization in Glatiramer Acetate. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3977-3983.	1.6	3
12	Towards next generation CHO cell biology: Bioinformatics methods for RNA-seq based expression profiling. <i>Biotechnology Journal</i> , 2015, 10, 950-966.	1.8	16
13	PEGylation to Improve Protein Stability During Melt Processing. <i>Macromolecular Bioscience</i> , 2015, 15, 1332-1337.	2.1	25
14	Biosimilars in inflammatory bowel disease. <i>Current Opinion in Gastroenterology</i> , 2015, 31, 290-295.	1.0	22
15	Optimizing eukaryotic cell hosts for protein production through systems biotechnology and genome-scale modeling. <i>Biotechnology Journal</i> , 2015, 10, 939-949.	1.8	46
16	Prediction of reversible IgG1 aggregation occurring in a size exclusion chromatography column is enabled through a model based approach. <i>Biotechnology Journal</i> , 2015, 10, 1814-1821.	1.8	4
17	Expression of the human cytomegalovirus pentamer complex for vaccine use in a CHO system. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2505-2515.	1.7	31
18	Integrated cell and process engineering for improved transient production of a "difficult-to-express" fusion protein by CHO cells. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2527-2542.	1.7	56

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19	Fingerprint detection and process prediction by multivariate analysis of fedâ€batch monoclonal antibody cell culture data. <i>Biotechnology Progress</i> , 2015, 31, 1633-1644.	1.3	37
20	Enhanced Intracellular Protein Transduction by Sequence Defined Tetraâ€Oleoyl Oligoaminoamides Targeted for Cancer Therapy. <i>Advanced Functional Materials</i> , 2015, 25, 6627-6636.	7.8	38
21	A New Recombinant PACAP-Derived Peptide Efficiently Promotes Corneal Wound Repairing and Lacrimal Secretion. , 2015, 56, 4336.		23
22	A Monoclonal Antibody to Human DLK1 Reveals Differential Expression in Cancer and Absence in Healthy Tissues. <i>Antibodies</i> , 2015, 4, 71-87.	1.2	3
23	Antibody Fragments and Their Purification by Protein L Affinity Chromatography. <i>Antibodies</i> , 2015, 4, 259-277.	1.2	79
24	Identification and Functional Characterization of Glycosylation of Recombinant Human Platelet-Derived Growth Factor-BB in <i>Pichia pastoris</i> . <i>PLoS ONE</i> , 2015, 10, e0145419.	1.1	19
25	Optimization of Heavy Chain and Light Chain Signal Peptides for High Level Expression of Therapeutic Antibodies in CHO Cells. <i>PLoS ONE</i> , 2015, 10, e0116878.	1.1	83
26	The Role of Aggregates of Therapeutic Protein Products in Immunogenicity: An Evaluation by Mathematical Modeling. <i>Journal of Immunology Research</i> , 2015, 2015, 1-14.	0.9	18
27	Protein freeze concentration and micro-segregation analysed in a temperature-controlled freeze container. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015, 6, 108-111.	2.1	21
28	Plantâ€made oral vaccines against human infectious diseasesâ€Are we there yet?. <i>Plant Biotechnology Journal</i> , 2015, 13, 1056-1070.	4.1	116
29	Recent advances in 2D-LC for bioanalysis. <i>Bioanalysis</i> , 2015, 7, 3125-3142.	0.6	42
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35	<i>Chlamydomonas</i> as a model for biofuels and bioâ€products production. <i>Plant Journal</i> , 2015, 82, 523-531.	2.8	206
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38	Low cost industrial production of coagulation factor IX bioencapsulated in lettuce cells for oral tolerance induction in hemophilia B. <i>Biomaterials</i> , 2015, 70, 84-93.	5.7	124
39	What Is a Biosimilar?. <i>Frontiers of Gastrointestinal Research</i> , 0, , 104-106.	0.1	0
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41	Advanced drug delivery systems for local treatment of the oral cavity. <i>Therapeutic Delivery</i> , 2015, 6, 595-608.	1.2	104
42	Cellular Disulfide Bond Formation in Bioactive Peptides and Proteins. <i>International Journal of Molecular Sciences</i> , 2015, 16, 1791-1805.	1.8	47
43	Engineered CHO cells for production of diverse, homogeneous glycoproteins. <i>Nature Biotechnology</i> , 2015, 33, 842-844.	9.4	213
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56	Development of a quantitative mass spectrometry multi-attribute method for characterization, quality control testing and disposition of biologics. <i>MAbs</i> , 2015, 7, 881-890.	2.6	170

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64	Applications of Hydrogen/Deuterium Exchange MS from 2012 to 2014. <i>Analytical Chemistry</i> , 2015, 87, 99-118.	3.2	131
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66	Fc gamma receptors: glycobiology and therapeutic prospects. <i>Journal of Inflammation Research</i> , 2016, Volume 9, 209-219.	1.6	71
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75	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.	1.8	63
76	Identifying the differences in mechanisms of mycophenolic acid controlling fucose content of glycoproteins expressed in different CHO cell lines. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2367-2376.	1.7	15
77	Characterization of the co-elution of host cell proteins with monoclonal antibodies during protein A purification. <i>Biotechnology Progress</i> , 2016, 32, 708-717.	1.3	51
78	Oral Delivery of Protein Drugs Bioencapsulated in Plant Cells. <i>Molecular Therapy</i> , 2016, 24, 1342-1350.	3.7	73
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80	Comprehensive genome and epigenome characterization of CHO cells in response to evolutionary pressures and over time. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2241-2253.	1.7	112
81	Implementation of an analytical microfluidic device for the quantification of protein concentrations in high-throughput format. <i>Engineering in Life Sciences</i> , 2016, 16, 515-524.	2.0	1
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87	Acetate- and Citrate-Specific Ion Effects on Unfolding and Temperature-Dependent Aggregation Rates of Anti-Streptavidin IgG1. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1066-1073.	1.6	31
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89	Proteomic differences in recombinant CHO cells producing two similar antibody fragments. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1902-1912.	1.7	29
90	Recent Advances in Application of Pharmacogenomics for Biotherapeutics. <i>AAPS Journal</i> , 2016, 18, 605-611.	2.2	5
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113	Redox-Sensitive and Intrinsically Fluorescent Photoclick Hyaluronic Acid Nanogels for Traceable and Targeted Delivery of Cytochrome <i>c</i> to Breast Tumor in Mice. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21155-21162.	4.0	79
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115	Quantitative definition and monitoring of the host cell protein proteome using iTRAQ – a study of an industrial mAb producing CHO cell line. <i>Biotechnology Journal</i> , 2016, 11, 1014-1024.	1.8	29
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124	Protein partition coefficients can be estimated efficiently by hybrid shortcut calculations. <i>Journal of Biotechnology</i> , 2016, 233, 151-159.	1.9	5
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130	Targeted Reconstitution of Cytokine Activity upon Antigen Binding using Split Cytokine Antibody Fusion Proteins. <i>Journal of Biological Chemistry</i> , 2016, 291, 18139-18147.	1.6	35
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133	Organophosphate-Hydrolyzing Enzymes as First-Line of Defence Against Nerve Agent-Poisoning: Perspectives and the Road Ahead. Protein Journal, 2016, 35, 424-439.	0.7	18
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159	Chromatographic, Electrophoretic, and Mass Spectrometric Methods for the Analytical Characterization of Protein Biopharmaceuticals. <i>Analytical Chemistry</i> , 2016, 88, 480-507.	3.2	205
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