

Lucia Baldi

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,394
citations

218381

26
h-index

205818

48
g-index

70
all docs

70
docs citations

70
times ranked

2678
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved process conditions for increasing expression of MHC class II protein from a stable <i>Drosophila</i> S2 cell line. <i>Biotechnology Letters</i> , 2018, 40, 85-92.	1.1	0
2	Disposable orbitally shaken TubeSpin bioreactor 600 for Sf9 cell cultivation in suspension. <i>Analytical Biochemistry</i> , 2016, 505, 26-28.	1.1	9
3	A comparison of orbitally shaken and stirred tank bioreactors: pH modulation and bioreactor type affect CHO cell growth and protein glycosylation. <i>Biotechnology Progress</i> , 2016, 32, 1174-1180.	1.3	16
4	Comparison of three transposons for the generation of highly productive recombinant CHO cell pools and cell lines. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1234-1243.	1.7	53
5	465. Transient Production of Recombinant Adeno-Associated Virus (AAV) Vectors for Gene Therapy Applications Using Suspension-Adapted HEK 293 Cells in Orbital Shaken Bioreactors. <i>Molecular Therapy</i> , 2015, 23, S184-S185.	3.7	0
6	Enhanced plasmid DNA utilization in transiently transfected CHO-DG44 cells in the presence of polar solvents. <i>Biotechnology Progress</i> , 2015, 31, 1571-1578.	1.3	16
7	Transcriptional and post-transcriptional limitations of high-yielding, PEI-mediated transient transfection with CHO and HEK293E cells. <i>Biotechnology Progress</i> , 2015, 31, 541-549.	1.3	22
8	Rapid recombinant protein production from piggyBac transposon-mediated stable CHO cell pools. <i>Journal of Biotechnology</i> , 2015, 200, 61-69.	1.9	50
9	A simple plasmid-based transient gene expression method using High Five cells. <i>Journal of Biotechnology</i> , 2015, 216, 67-75.	1.9	26
10	Virus-free transient protein production in Sf9 cells. <i>Journal of Biotechnology</i> , 2014, 171, 61-70.	1.9	30
11	Arginine-Based Biodegradable Ether-Ester Polymers with Low Cytotoxicity as Potential Gene Carriers. <i>Biomacromolecules</i> , 2014, 15, 2839-2848.	2.6	21
12	Cell Compatible Arginine Containing Cationic Polymer: One-Pot Synthesis and Preliminary Biological Assessment. <i>Advances in Experimental Medicine and Biology</i> , 2014, 807, 59-73.	0.8	5
13	Peptone Supplementation of Culture Medium Has Variable Effects on the Productivity of CHO Cells. <i>International Journal of Molecular and Cellular Medicine</i> , 2014, 3, 146-56.	1.1	17
14	Study of the improved Sf9 transient gene expression process. <i>BMC Proceedings</i> , 2013, 7, P19.	1.8	0
15	Polyethyleneimine-based transient gene expression processes for suspension-adapted HEK-293E and CHO-DG44 cells. <i>Protein Expression and Purification</i> , 2013, 92, 67-76.	0.6	64
16	Disposable 600-mL orbitally shaken bioreactor for mammalian cell cultivation in suspension. <i>Biochemical Engineering Journal</i> , 2013, 76, 6-12.	1.8	24
17	DNA delivery with hyperbranched polylysine: A comparative study with linear and dendritic polylysine. <i>Journal of Controlled Release</i> , 2013, 169, 276-288.	4.8	112
18	Helical-Track Bioreactors for Bacterial, Mammalian and Insect Cell Cultures. <i>Processes</i> , 2013, 1, 3-11.	1.3	0

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19	Comparative Study on the In Vitro Cytotoxicity of Linear, Dendritic, and Hyperbranched Polylysine Analogues. <i>Biomacromolecules</i> , 2012, 13, 3127-3137.	2.6	101
20	A NanoDrop-based method for rapid determination of viability decline in suspension cultures of animal cells. <i>Analytical Biochemistry</i> , 2012, 430, 138-140.	1.1	2
21	Large-Scale Transfection of Mammalian Cells. <i>Methods in Molecular Biology</i> , 2012, 801, 13-26.	0.4	31
22	Recombinant Antibody Yield Over 2Âg/L by Transient Transfection of HEK 293 EBNA Cells in a Fed-Batch Process. , 2012, , 497-500.		2
23	Poly(ethyleneimine)-Mediated Large-Scale Transient Gene Expression: Influence of Molecular Weight, Polydispersity and <i>N</i> -Propionyl Groups. <i>Macromolecular Bioscience</i> , 2012, 12, 628-636.	2.1	23
24	Hyperbranched Polylysine: A Versatile, Biodegradable Transfection Agent for the Production of Recombinant Proteins by Transient Gene Expression and the Transfection of Primary Cells. <i>Macromolecular Bioscience</i> , 2012, 12, 794-804.	2.1	22
25	Role of non-specific DNA in reducing coding DNA requirement for transient gene expression with CHO and HEK-293E cells. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2271-2278.	1.7	34
26	ka as a predictor for successful probe-independent mammalian cell bioprocesses in orbitally shaken bioreactors. <i>New Biotechnology</i> , 2012, 29, 387-394.	2.4	19
27	Glycan variability on a recombinant IgG antibody transiently produced in HEK-293E cells. <i>New Biotechnology</i> , 2012, 29, 471-476.	2.4	28
28	Reduced glutamine concentration improves protein production in growth-arrested CHO-DG44 and HEK-293E cells. <i>Biotechnology Letters</i> , 2012, 34, 619-626.	1.1	22
29	Cellular Proteins in Conditioned Medium Inhibit Polyethylenimine-Mediated Transfection of CHO Cells. , 2012, , 135-138.		0
30	Quantification of Polyethylenimine in Transient Gene Expression: On the Way to GMP Compliance. , 2012, , 71-75.		0
31	TubeSpin bioreactor 50 for the high-density cultivation of Sf-9 insect cells in suspension. <i>Biotechnology Letters</i> , 2011, 33, 897-902.	1.1	28
32	CHO cell lines generated by PiggyBac transposition. <i>BMC Proceedings</i> , 2011, 5, P31.	1.8	4
33	Transposon mediated co-integration and co-expression of transgenes in CHO-DG44 cells. <i>BMC Proceedings</i> , 2011, 5, P32.	1.8	2
34	The use of filler DNA for improved transfection and reduced DNA needs in transient gene expression with CHO and HEK cells. <i>BMC Proceedings</i> , 2011, 5, P33.	1.8	2
35	Rapid recombinant protein production from pools of transposon-generated CHO cells. <i>BMC Proceedings</i> , 2011, 5, P34.	1.8	7
36	Influence of glutamine on transient and stable recombinant protein production in CHO and HEK-293 cells. <i>BMC Proceedings</i> , 2011, 5, P35.	1.8	2

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37	kLa as a predictor for probe-independent mammalian cell bioprocesses in orbitally shaken bioreactors. BMC Proceedings, 2011, 5, P36.	1.8	0
38	Transient gene expression with CHO cells in conditioned medium: a study using TubeSpin®bioreactors. BMC Proceedings, 2011, 5, P38.	1.8	6
39	Hydrodynamic stress in orbitally shaken bioreactors. BMC Proceedings, 2011, 5, P39.	1.8	6
40	Generation of stable, high-producing cho cell lines by lentiviral vector-mediated gene transfer in serum-free suspension culture. Biotechnology and Bioengineering, 2011, 108, 600-610.	1.7	62
41	The <i>PiggyBac</i> transposon enhances the frequency of CHO stable cell line generation and yields recombinant lines with superior productivity and stability. Biotechnology and Bioengineering, 2011, 108, 2141-2150.	1.7	85
42	Efficient and reproducible mammalian cell bioprocesses without probes and controllers?. New Biotechnology, 2011, 28, 382-390.	2.4	26
43	A simple high-yielding process for transient gene expression in CHO cells. Journal of Biotechnology, 2011, 153, 22-26.	1.9	120
44	Innovative, Non-stirred Bioreactors in Scales from Milliliters up to 1000 Liters for Suspension Cultures of Cells using Disposable Bags and Containers – A Swiss Contribution. Chimia, 2010, 64, 819.	0.3	37
45	Hyperosmolarity enhances transient recombinant protein yield in Chinese hamster ovary cells. Biotechnology Letters, 2010, 32, 1587-1592.	1.1	26
46	Valproic acid enhances recombinant mRNA and protein levels in transiently transfected Chinese hamster ovary cells. Journal of Biotechnology, 2010, 148, 128-132.	1.9	63
47	A Serum-Free, Transient Transfection System for Enhancing Production of Recombinant Antibodies in Mammalian Cells. , 2010, , 229-232.		0
48	Respiratory syncytial virus subunit vaccine based on a recombinant fusion protein expressed transiently in mammalian cells. Vaccine, 2009, 27, 6415-6419.	1.7	18
49	Transient Gene Expression in Suspension HEK-293 Cells: Application to Large-Scale Protein Production. Biotechnology Progress, 2008, 21, 148-153.	1.3	126
50	Recombinant therapeutic protein production in cultivated mammalian cells: current status and future prospects. Drug Discovery Today: Technologies, 2008, 5, e37-e42.	4.0	88
51	Sustained activation and tumor targeting of NKT cells using a CD1d-anti-HER2-scFv fusion protein induce antitumor effects in mice. Journal of Clinical Investigation, 2008, 118, 994-1005.	3.9	61
52	Recombinant protein production by large-scale transient gene expression in mammalian cells: state of the art and future perspectives. Biotechnology Letters, 2007, 29, 677-684.	1.1	246
53	High-titer, serum-free production of adeno-associated virus vectors by polyethyleneimine-mediated plasmid transfection in mammalian suspension cells. Biotechnology Letters, 2007, 29, 1713-1721.	1.1	39
54	1000 Non-instrumented Bioreactors in a Week. , 2007, , 489-495.		4

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55	Glass reflow on 3-dimensional micro-apertures for electrophysiological measurements on-chip. <i>Microfluidics and Nanofluidics</i> , 2006, 3, 109-117.	1.0	21
56	Specific Recognition of the Viral Protein UL18 by CD85j/LIR-1/ILT2 on CD8+ T Cells Mediates the Non-MHC-Restricted Lysis of Human Cytomegalovirus-Infected Cells. <i>Journal of Immunology</i> , 2004, 172, 5629-5637.	0.4	62
57	Reduction of adenovirus E1A mRNA by RNAi results in enhanced recombinant protein expression in transiently transfected HEK293 cells. <i>Gene</i> , 2004, 341, 227-234.	1.0	22
58	Natural anti-FcÎµRIÎ± autoantibodies may interfere with diagnostic tests for autoimmune urticaria. <i>Journal of Autoimmunity</i> , 2004, 22, 43-51.	3.0	37
59	Natural anti-FcÎµRIÎ± autoantibodies isolated from healthy donors and chronic idiopathic urticaria patients reveal a restricted repertoire and autoreactivity on human basophils. <i>Human Antibodies</i> , 2001, 10, 119-126.	0.6	25
60	CD8Î² Endows CD8 with Efficient Coreceptor Function by Coupling T Cell Receptor/CD3 to Raft-associated CD8/p56lck Complexes. <i>Journal of Experimental Medicine</i> , 2001, 194, 1485-1495.	4.2	189
61	The Signal Response of Î²BÎ± Is Regulated by Transferable N- and C-Terminal Domains. <i>Molecular and Cellular Biology</i> , 1997, 17, 3021-3027.	1.1	47
62	Critical Role for Lysines 21 and 22 in Signal-induced, Ubiquitin-mediated Proteolysis of IÎ±BÎ±. <i>Journal of Biological Chemistry</i> , 1996, 271, 376-379.	1.6	173
63	Production of Inflammatory Cytokines by Epstein-Barr Virus (EBV)-Infected Lymphoblastoid Cell Lines Spontaneously Originated from the Peripheral Blood of Patients with Human Immunodeficiency Virus (HIV) Infection. <i>Clinical Immunology and Immunopathology</i> , 1995, 77, 162-171.	2.1	7
64	Clinical Diversity of Raynaud's in Childhood: Report of Six Cases. <i>Lupus</i> , 1993, 2, 183-186.	0.8	2