Lucia Baldi

List of Publications by Year
in descending order

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64 papers	2,394 citations	218592 26 h-index	206029 48 g-index
70 all docs	70 docs citations	70 times ranked	2678 citing authors

#	Article	IF	Citations
1	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
2	CD8Î² Endows CD8 with Efficient Coreceptor Function by Coupling T Cell Receptor/CD3 to Raft-associated CD8/p56lck Complexes. Journal of Experimental Medicine, 2001, 194, 1485-1495.	4.2	189
3	Critical Role for Lysines 21 and 22 in Signal-induced, Ubiquitin-mediated Proteolysis of IκB-Î±. Journal of Biological Chemistry, 1996, 271, 376-379.	1.6	173
4	Transient Gene Expression in Suspension HEK-293 Cells: Application to Large-Scale Protein Production. Biotechnology Progress, 2008, 21, 148-153.	1.3	126
5	A simple high-yielding process for transient gene expression in CHO cells. Journal of Biotechnology, 2011, 153, 22-26.	1.9	120
6	DNA delivery with hyperbranched polylysine: A comparative study with linear and dendritic polylysine. Journal of Controlled Release, 2013, 169, 276-288.	4.8	112
7	Comparative Study on the In Vitro Cytotoxicity of Linear, Dendritic, and Hyperbranched Polylysine Analogues. Biomacromolecules, 2012, 13, 3127-3137.	2.6	101
8	Recombinant therapeutic protein production in cultivated mammalian cells: current status and future prospects. Drug Discovery Today: Technologies, 2008, 5, e37-e42.	4.0	88
9	The PiggyBac 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
10	Polyethyleneimine-based transient gene expression processes for suspension-adapted HEK-293E and CHO-DG44 cells. Protein Expression and Purification, 2013, 92, 67-76.	0.6	64
11	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
12	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. Journal of Immunology, 2004, 172, 5629-5637.	0.4	62
13	Generation of stable, highâ€producing cho cell lines by lentiviral vectorâ€mediated gene transfer in serumâ€free suspension culture. Biotechnology and Bioengineering, 2011, 108, 600-610.	1.7	62
14	Sustained activation and tumor targeting of NKT cells using a CD1dâ€“anti-HER2â€“scFv fusion protein induce antitumor effects in mice. Journal of Clinical Investigation, 2008, 118, 994-1005.	3.9	61
15	Comparison of three transposons for the generation of highly productive recombinant CHO cell pools and cell lines. Biotechnology and Bioengineering, 2016, 113, 1234-1243.	1.7	53
16	Rapid recombinant protein production from piggyBac transposon-mediated stable CHO cell pools. Journal of Biotechnology, 2015, 200, 61-69.	1.9	50
17	The Signal Response of IÎºBÎ± Is Regulated by Transferable N- and C-Terminal Domains. Molecular and Cellular Biology, 1997, 17, 3021-3027.	1.1	47
18	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

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19	Natural anti-FcÎµRIÎ± autoantibodies may interfere with diagnostic tests for autoimmune urticaria. Journal of Autoimmunity, 2004, 22, 43-51.	3.0	37
20	Innovative, Non-stirred Bioreactors in Scales from Milliliters up to 1000 Liters for Suspension Cultures of Cells using Disposable Bags and Containers â€“ A Swiss Contribution. Chimia, 2010, 64, 819.	0.3	37
21	Role of nonâ€specific DNA in reducing coding DNA requirement for transient gene expression with CHO and HEKâ€293E cells. Biotechnology and Bioengineering, 2012, 109, 2271-2278.	1.7	34
22	Large-Scale Transfection of Mammalian Cells. Methods in Molecular Biology, 2012, 801, 13-26.	0.4	31
23	Virus-free transient protein production in Sf9 cells. Journal of Biotechnology, 2014, 171, 61-70.	1.9	30
24	TubeSpin bioreactor 50 for the high-density cultivation of Sf-9 insect cells in suspension. Biotechnology Letters, 2011, 33, 897-902.	1.1	28
25	Glycan variability on a recombinant IgG antibody transiently produced in HEK-293E cells. New Biotechnology, 2012, 29, 471-476.	2.4	28
26	Hyperosmolarity enhances transient recombinant protein yield in Chinese hamster ovary cells. Biotechnology Letters, 2010, 32, 1587-1592.	1.1	26
27	Efficient and reproducible mammalian cell bioprocesses without probes and controllers?. New Biotechnology, 2011, 28, 382-390.	2.4	26
28	A simple plasmid-based transient gene expression method using High Five cells. Journal of Biotechnology, 2015, 216, 67-75.	1.9	26
29	Natural anti-FcÎµRIÎ± autoantibodies isolated from healthy donors and chronic idiopathic urticaria patients reveal a restricted repertoire and autoreactivity on human basophils. Human Antibodies, 2001, 10, 119-126.	0.6	25
30	Disposable 600-mL orbitally shaken bioreactor for mammalian cell cultivation in suspension. Biochemical Engineering Journal, 2013, 76, 6-12.	1.8	24
31	Poly(ethyleneimine)â€Mediated Largeâ€Scale Transient Gene Expression: Influence of Molecular Weight, Polydispersity and Nâ€Propionyl Groups. Macromolecular Bioscience, 2012, 12, 628-636.	2.1	23
32	Reduction of adenovirus E1A mRNA by RNAi results in enhanced recombinant protein expression in transiently transfected HEK293 cells. Gene, 2004, 341, 227-234.	1.0	22
33	Hyperbranched Polylysine: A Versatile, Biodegradable Transfection Agent for the Production of Recombinant Proteins by Transient Gene Expression and the Transfection of Primary Cells. Macromolecular Bioscience, 2012, 12, 794-804.	2.1	22
34	Reduced glutamine concentration improves protein production in growth-arrested CHO-DG44 and HEK-293E cells. Biotechnology Letters, 2012, 34, 619-626.	1.1	22
35	Transcriptional and postâ€transcriptional limitations of highâ€yielding, <scp>PEI</scp>â€mediated transient transfection with <scp>CHO</scp> and <scp>HEKâ€293E</scp> cells. Biotechnology Progress, 2015, 31, 541-549.	1.3	22
36	Glass reflow on 3-dimensional micro-apertures for electrophysiological measurements on-chip. Microfluidics and Nanofluidics, 2006, 3, 109-117.	1.0	21

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37	Arginine-Based Biodegradable Etherâ€“Ester Polymers with Low Cytotoxicity as Potential Gene Carriers. Biomacromolecules, 2014, 15, 2839-2848.	2.6	21
38	ka as a predictor for successful probe-independent mammalian cell bioprocesses in orbitally shaken bioreactors. New Biotechnology, 2012, 29, 387-394.	2.4	19
39	Respiratory syncytial virus subunit vaccine based on a recombinant fusion protein expressed transiently in mammalian cells. Vaccine, 2009, 27, 6415-6419.	1.7	18
40	Peptone Supplementation of Culture Medium Has Variable Effects on the Productivity of CHO Cells. International Journal of Molecular and Cellular Medicine, 2014, 3, 146-56.	1.1	17
41	Enhanced plasmid DNA utilization in transiently transfected CHOâ€“DG44 cells in the presence of polar solvents. Biotechnology Progress, 2015, 31, 1571-1578.	1.3	16
42	A comparison of orbitallyâ€shaken and stirredâ€tank bioreactors: pH modulation and bioreactor type affect CHO cell growth and protein glycosylation. Biotechnology Progress, 2016, 32, 1174-1180.	1.3	16
43	Disposable orbitally shaken TubeSpin bioreactor 600 for Sf9 cell cultivation in suspension. Analytical Biochemistry, 2016, 505, 26-28.	1.1	9
44	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. Clinical Immunology and Immunopathology, 1995, 77, 162-171.	2.1	7
45	Rapid recombinant protein production from pools of transposon-generated CHO cells. BMC Proceedings, 2011, 5, P34.	1.8	7
46	Transient gene expression with CHO cells in conditioned medium: a study using TubeSpinÂ®bioreactors. BMC Proceedings, 2011, 5, P38.	1.8	6
47	Hydrodynamic stress in orbitally shaken bioreactors. BMC Proceedings, 2011, 5, P39.	1.8	6
48	Cell Compatible Arginine Containing Cationic Polymer: One-Pot Synthesis and Preliminary Biological Assessment. Advances in Experimental Medicine and Biology, 2014, 807, 59-73.	0.8	5
49	CHO cell lines generated by PiggyBac transposition. BMC Proceedings, 2011, 5, P31.	1.8	4
50	1000 Non-instrumented Bioreactors in a Week. , 2007, , 489-495.		4
51	Clinical Diversity of Raynaud's in Childhood: Report of Six Cases. Lupus, 1993, 2, 183-186.	0.8	2
52	Transposon mediated co-integration and co-expression of transgenes in CHO-DG44 cells. BMC Proceedings, 2011, 5, P32.	1.8	2
53	The use of filler DNA for improved transfection and reduced DNA needs in transient gene expression with CHO and HEK cells. BMC Proceedings, 2011, 5, P33.	1.8	2
54	Influence of glutamine on transient and stable recombinant protein production in CHO and HEK-293 cells. BMC Proceedings, 2011, 5, P35.	1.8	2

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55	A NanoDrop-based method for rapid determination of viability decline in suspension cultures of animal cells. Analytical Biochemistry, 2012, 430, 138-140.	1.1	2
56	Recombinant Antibody Yield Over 2Âg/L by Transient Transfection of HEK 293 EBNA Cells in a Fed-Batch Process. , 2012, , 497-500.		2
57	kLa as a predictor for probe-independent mammalian cell bioprocesses in orbitally shaken bioreactors. BMC Proceedings, 2011, 5, P36.	1.8	0
58	Study of the improved Sf9 transient gene expression process. BMC Proceedings, 2013, 7, P19.	1.8	0
59	Helical-Track Bioreactors for Bacterial, Mammalian and Insect Cell Cultures. Processes, 2013, 1, 3-11.	1.3	0
60	465. Transient Production of Recombinant Adeno-Associated Virus (AAV) Vectors for Gene Therapy Applications Using Suspension-Adapted HEK 293 Cells in Orbital Shaken Bioreactors. Molecular Therapy, 2015, 23, S184-S185.	3.7	0
61	Improved process conditions for increasing expression of MHC class II protein from a stable Drosophila S2 cell line. Biotechnology Letters, 2018, 40, 85-92.	1.1	0
62	A Serum-Free, Transient Transfection System for Enhancing Production of Recombinant Antibodies in Mammalian Cells. , 2010, , 229-232.		0
63	Cellular Proteins in Conditioned Medium Inhibit Polyethylenimine-Mediated Transfection of CHO Cells. , 2012, , 135-138.		0
64	Quantification of Polyethylenimine in Transient Gene Expression: On the Way to GMP Compliance. , 2012, , 71-75.		0