

Manuel J T Carrondo

List of Publications by Year in descending order

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184
papers

7,348
citations

50170

46
h-index

79541

73
g-index

187
all docs

187
docs citations

187
times ranked

6348
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioanalytics for Influenza Virus-Like Particle Characterization and Process Monitoring. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 805176.	2.0	4
2	Continuous Affinity Purification of Adeno-Associated Virus Using Periodic Counter-Current Chromatography. <i>Pharmaceutics</i> , 2022, 14, 1346.	2.0	9
3	3D-printed ordered bed structures for chromatographic purification of enveloped and non-enveloped viral particles. <i>Separation and Purification Technology</i> , 2021, 254, 117681.	3.9	20
4	Advances in Lentivirus Purification. <i>Biotechnology Journal</i> , 2021, 16, e2000019.	1.8	35
5	Integrating high cell density cultures with adapted laboratory evolution for improved Gag- α HA virus-like particles production in stable insect cell lines. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2536-2547.	1.7	6
6	Oncolytic virus purification with periodic counter-current chromatography. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3522-3532.	1.7	8
7	Downstream processing for influenza vaccines and candidates: An update. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2845-2869.	1.7	9
8	Improved storage of influenza HA-VLPs using a trehalose-glycerol natural deep eutectic solvent system. <i>Vaccine</i> , 2021, 39, 3279-3286.	1.7	8
9	Adaptive laboratory evolution of stable insect cell lines for improved HIV-Gag VLPs production. <i>Journal of Biotechnology</i> , 2020, 307, 139-147.	1.9	18
10	Current challenges in biotherapeutic particles manufacturing. <i>Expert Opinion on Biological Therapy</i> , 2020, 20, 451-465.	1.4	70
11	Improving Influenza HA-VLPs Production in Insect High Five Cells via Adaptive Laboratory Evolution. <i>Vaccines</i> , 2020, 8, 589.	2.1	13
12	Baculovirus affinity removal in viral-based bioprocesses. <i>Separation and Purification Technology</i> , 2020, 241, 116693.	3.9	8
13	A Flow-Through Chromatographic Strategy for Hepatitis C Virus-Like Particles Purification. <i>Processes</i> , 2020, 8, 85.	1.3	3
14	Unveiling dynamic metabolic signatures in human induced pluripotent and neural stem cells. <i>PLoS Computational Biology</i> , 2020, 16, e1007780.	1.5	5
15	Continuous Chromatography Purification of Virus-Based Biopharmaceuticals: A Shortcut Design Method. <i>Methods in Molecular Biology</i> , 2020, 2095, 367-384.	0.4	6
16	Enabling PAT in insect cell bioprocesses: <i>in situ</i> monitoring of recombinant adeno-associated virus production by fluorescence spectroscopy. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2803-2814.	1.7	23
17	Pseudotyping retrovirus like particles vaccine candidates with Hepatitis C virus envelope protein E2 requires the cellular expression of CD81. <i>AMB Express</i> , 2019, 9, 22.	1.4	5
18	Flexible 3D Cell-Based Platforms for the Discovery and Profiling of Novel Drugs Targeting <i>Plasmodium</i> Hepatic Infection. <i>ACS Infectious Diseases</i> , 2019, 5, 1831-1842.	1.8	25

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19	Membrane-Based Approach for the Downstream Processing of Influenza Virus-Like Particles. <i>Biotechnology Journal</i> , 2019, 14, e1800570.	1.8	32
20	Exosome-based therapeutics: Purification using semi-continuous multi-column chromatography. <i>Separation and Purification Technology</i> , 2019, 224, 515-523.	3.9	22
21	Efficient filtration strategies for the clarification of influenza virus-like particles derived from insect cells. <i>Separation and Purification Technology</i> , 2019, 218, 81-88.	3.9	21
22	Synthetic biology for bioengineering virus-like particle vaccines. <i>Biotechnology and Bioengineering</i> , 2019, 116, 919-935.	1.7	66
23	Combining stable insect cell lines with baculovirus-mediated expression for multi-HA influenza VLP production. <i>Vaccine</i> , 2018, 36, 3112-3123.	1.7	30
24	Purification of influenza virus-like particles using sulfated cellulose membrane adsorbers. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1988-1996.	1.6	30
25	RMCE-based insect cell platform to produce membrane proteins captured on HIV-1 Gag virus-like particles. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 655-666.	1.7	15
26	Clinical-Grade Oncolytic Adenovirus Purification Using Polysorbate 20 as an Alternative for Cell Lysis. <i>Current Gene Therapy</i> , 2018, 18, 366-374.	0.9	22
27	A detection and quantification label-free tool to speed up downstream processing of model mucins. <i>PLoS ONE</i> , 2018, 13, e0190974.	1.1	15
28	Bioprocess integration for human mesenchymal stem cells: From up to downstream processing scale-up to cell proteome characterization. <i>Journal of Biotechnology</i> , 2017, 248, 87-98.	1.9	61
29	Universal label-free in-process quantification of influenza virus-like particles. <i>Biotechnology Journal</i> , 2017, 12, 1700031.	1.8	26
30	Disclosing the Parameters Leading to High Productivity of Retroviral Producer Cells Lines: Evaluating Random Versus Targeted Integration. <i>Human Gene Therapy Methods</i> , 2017, 28, 78-90.	2.1	4
31	Finding the design space of a filtration-based operation for the concentration of human pluripotent stem cells. <i>Journal of Membrane Science</i> , 2017, 542, 399-407.	4.1	3
32	Metabolic flux profiling of MDCK cells during growth and canine adenovirus vector production. <i>Scientific Reports</i> , 2016, 6, 23529.	1.6	15
33	Bioorthogonal Strategy for Bioprocessing of Specific-Site-Functionalized Enveloped Influenza-Virus-Like Particles. <i>Bioconjugate Chemistry</i> , 2016, 27, 2386-2399.	1.8	17
34	Improving washing strategies of human mesenchymal stem cells using negative mode expanded bed chromatography. <i>Journal of Chromatography A</i> , 2016, 1429, 292-303.	1.8	12
35	Production of oncolytic adenovirus and human mesenchymal stem cells in a single-use, Vertical-Wheel bioreactor system: Impact of bioreactor design on performance of microcarrier-based cell culture processes. <i>Biotechnology Progress</i> , 2015, 31, 1600-1612.	1.3	60
36	Rational development of two flowthrough purification strategies for adenovirus type 5 and retro virus-like particles. <i>Journal of Chromatography A</i> , 2015, 1426, 91-101.	1.8	19

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37	Improving the downstream processing of vaccine and gene therapy vectors with continuous chromatography. <i>Pharmaceutical Bioprocessing</i> , 2015, 3, 489-505.	0.8	14
38	Filtration methodologies for the clarification and concentration of human mesenchymal stem cells. <i>Journal of Membrane Science</i> , 2015, 478, 117-129.	4.1	38
39	Improved virus purification processes for vaccines and gene therapy. <i>Biotechnology and Bioengineering</i> , 2015, 112, 843-857.	1.7	105
40	Exploring analytical proteomics platforms toward the definition of human cardiac stem cells receptome. <i>Proteomics</i> , 2015, 15, 1332-1337.	1.3	14
41	Exploring continuous and integrated strategies for the up- and downstream processing of human mesenchymal stem cells. <i>Journal of Biotechnology</i> , 2015, 213, 97-108.	1.9	47
42	Robust design of adenovirus purification by two-column, simulated moving-bed, size-exclusion chromatography. <i>Journal of Biotechnology</i> , 2015, 213, 109-119.	1.9	35
43	Human amniocyte-derived cells are a promising cell host for adenoviral vector production under serum-free conditions. <i>Biotechnology Journal</i> , 2015, 10, 760-771.	1.8	7
44	Metabolic Flux Analysis: A Powerful Tool in Animal Cell Culture. <i>Cell Engineering</i> , 2015, , 521-539.	0.4	2
45	Metabolic profiling of insect cell lines: Unveiling cell line determinants behind system's productivity. <i>Biotechnology and Bioengineering</i> , 2014, 111, 816-828.	1.7	22
46	Cellular targets for improved manufacturing of virus-based biopharmaceuticals in animal cells. <i>Trends in Biotechnology</i> , 2014, 32, 602-607.	4.9	23
47	Combining Hypoxia and Bioreactor Hydrodynamics Boosts Induced Pluripotent Stem Cell Differentiation Towards Cardiomyocytes. <i>Stem Cell Reviews and Reports</i> , 2014, 10, 786-801.	5.6	65
48	Towards real-time monitoring of therapeutic protein quality in mammalian cell processes. <i>Current Opinion in Biotechnology</i> , 2014, 30, 161-167.	3.3	54
49	Metabolic responses of CHO cells to limitation of key amino acids. <i>Biotechnology and Bioengineering</i> , 2014, 111, 2095-2106.	1.7	76
50	Testing a new formulation for Peste des Petits Ruminants vaccine in Ethiopia. <i>Vaccine</i> , 2014, 32, 2878-2881.	1.7	15
51	Impact of grafting on the design of new membrane adsorbents for adenovirus purification. <i>Journal of Biotechnology</i> , 2014, 181, 1-11.	1.9	20
52	Adenovirus purification by two-column, size-exclusion, simulated countercurrent chromatography. <i>Journal of Chromatography A</i> , 2014, 1347, 111-121.	1.8	48
53	Evaluation of Novel Large Cut-Off Ultrafiltration Membranes for Adenovirus Serotype 5 (Ad5) Concentration. <i>PLoS ONE</i> , 2014, 9, e115802.	1.1	22
54	A cell sorting protocol for selecting high-producing sub-populations of Sf9 and High Five cells. <i>Journal of Biotechnology</i> , 2013, 168, 436-439.	1.9	12

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55	Insect cells as a production platform of complex virus-like particles. Expert Review of Vaccines, 2013, 12, 225-236.	2.0	70
56	Metabolic signatures of GSâ€CHO cell clones associated with butyrate treatment and culture phase transition. Biotechnology and Bioengineering, 2013, 110, 3244-3257.	1.7	80
57	On the Effect of Thermodynamic Equilibrium on the Assembly Efficiency of Complex Multi-Layered Virus-Like Particles (VLP): the Case of Rotavirus VLP. PLoS Computational Biology, 2012, 8, e1002367.	1.5	18
58	Downstream Processing of Lentiviral Vectors: Releasing Bottlenecks. Human Gene Therapy Methods, 2012, 23, 255-263.	2.1	71
59	Systems biotechnology of animal cells: the road to prediction. Trends in Biotechnology, 2012, 30, 377-385.	4.9	36
60	How can measurement, monitoring, modeling and control advance cell culture in industrial biotechnology?. Biotechnology Journal, 2012, 7, 1522-1529.	1.8	49
61	Toward system-level understanding of baculovirusâ€™host cell interactions: from molecular fundamental studies to large-scale proteomics approaches. Frontiers in Microbiology, 2012, 3, 391.	1.5	47
62	Human liver cell spheroids in extended perfusion bioreactor culture for repeated-dose drug testing. Hepatology, 2012, 55, 1227-1236.	3.6	195
63	Proteomic analyses of Ehrlichia ruminantium highlight differential expression of MAP1-family proteins. Veterinary Microbiology, 2012, 156, 305-314.	0.8	19
64	In Vitro Approaches for Improved Rotavirus VLPâ€™s Quality. , 2012, , 651-665.		0
65	An Insight into the Physiology of Insect Cells: The Role of Energetic Metabolism on the Cell Density Effect. , 2012, , 299-305.		0
66	The role of glia in neuronal recovery following anoxia: In vitro evidence of neuronal adaptation. Neurochemistry International, 2011, 58, 665-675.	1.9	18
67	Large-scale production and purification of VLP-based vaccines. Journal of Invertebrate Pathology, 2011, 107, S42-S48.	1.5	201
68	Quality control and analytical methods for baculovirus-based products. Journal of Invertebrate Pathology, 2011, 107, S94-S105.	1.5	16
69	Strategies for improved stability of Peste des Petits Ruminants Vaccine. Vaccine, 2011, 29, 4983-4991.	1.7	26
70	Merging bioreactor technology with 3D hepatocyte-fibroblast culturing approaches: Improved in vitro models for toxicological applications. Toxicology in Vitro, 2011, 25, 825-832.	1.1	45
71	Toward Preclinical Predictive Drug Testing for Metabolism and Hepatotoxicity by Using <i>In Vitro</i> Models Derived from Human Embryonic Stem Cells and Human Cell Lines â€™ A Report on the Vitrocellomics EU-project. ATLA Alternatives To Laboratory Animals, 2011, 39, 147-171.	0.7	38
72	Microencapsulation Technology: A Powerful Tool for Integrating Expansion and Cryopreservation of Human Embryonic Stem Cells. PLoS ONE, 2011, 6, e23212.	1.1	151

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73	Production and purification of lentiviral vectors generated in 293T suspension cells with baculoviral vectors. <i>Gene Therapy</i> , 2011, 18, 531-538.	2.3	58
74	Rational design and optimization of downstream processes of virus particles for biopharmaceutical applications: Current advances. <i>Biotechnology Advances</i> , 2011, 29, 869-878.	6.0	59
75	Hybrid metabolic flux analysis: combining stoichiometric and statistical constraints to model the formation of complex recombinant products. <i>BMC Systems Biology</i> , 2011, 5, 34.	3.0	41
76	Cell functional enviromics: Unravelling the function of environmental factors. <i>BMC Systems Biology</i> , 2011, 5, 92.	3.0	17
77	Fluorescence-based tools to improve biopharmaceutical process development. <i>BMC Proceedings</i> , 2011, 5, O5.	1.8	0
78	Extracellular purine and pyrimidine catabolism in cell culture. <i>Biotechnology Progress</i> , 2011, 27, 1373-1382.	1.3	3
79	Perfusion of 3D encapsulated hepatocytesâ€”A synergistic effect enhancing longâ€”term functionality in bioreactors. <i>Biotechnology and Bioengineering</i> , 2011, 108, 41-49.	1.7	71
80	Impact of ligand density on the optimization of ionâ€”exchange membrane chromatography for viral vector purification. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1347-1359.	1.7	32
81	Synchronous fluorescence spectroscopy as a novel tool to enable PAT applications in bioprocesses. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1852-1861.	1.7	32
82	Downâ€”regulation of CD81 tetraspanin in human cells producing retroviralâ€”based particles: Tailoring vector composition. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2623-2633.	1.7	8
83	High-throughput analysis of animal cell cultures using two-dimensional fluorometry. <i>Journal of Biotechnology</i> , 2011, 151, 255-260.	1.9	13
84	Quantitative Proteomics of <i>Spodoptera frugiperda</i> Cells during Growth and Baculovirus Infection. <i>PLoS ONE</i> , 2011, 6, e26444.	1.1	30
85	Virus-like particles in vaccine development. <i>Expert Review of Vaccines</i> , 2010, 9, 1149-1176.	2.0	671
86	Analysis of adsorption of a baculovirus bioreaction bulk on an ion-exchange surface by surface plasmon resonance. <i>Journal of Biotechnology</i> , 2010, 148, 171-181.	1.9	9
87	Improving expansion of pluripotent human embryonic stem cells in perfused bioreactors through oxygen control. <i>Journal of Biotechnology</i> , 2010, 148, 208-215.	1.9	135
88	Modeling protein binding and elution over a chromatographic surface probed by surface plasmon resonance. <i>Journal of Chromatography A</i> , 2010, 1217, 2032-2041.	1.8	16
89	Improving baculovirus production at high cell density through manipulation of energy metabolism. <i>Metabolic Engineering</i> , 2010, 12, 39-52.	3.6	77
90	Modeling electrostatic interactions of baculovirus vectors for ion-exchange process development. <i>Journal of Chromatography A</i> , 2010, 1217, 3754-3764.	1.8	12

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91	Extending Hepatocyte Functionality for Drug-Testing Applications Using High-Viscosity Alginate-Encapsulated Three-Dimensional Cultures in Bioreactors. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1223-1232.	1.1	85
92	In Vitro Disassembly and Reassembly of Triple-Layered Rotavirus-Like Particles. , 2010, , 313-318.		0
93	Error assessment in recombinant baculovirus titration: Evaluation of different methods. <i>Journal of Virological Methods</i> , 2009, 159, 69-80.	1.0	71
94	Advances in on-line monitoring and control of mammalian cell cultures: Supporting the PAT initiative. <i>Biotechnology Advances</i> , 2009, 27, 726-732.	6.0	176
95	In situ 2D fluorometry and chemometric monitoring of mammalian cell cultures. <i>Biotechnology and Bioengineering</i> , 2009, 102, 1098-1106.	1.7	84
96	Cell density effect in the baculovirus-insect cells system: A quantitative analysis of energetic metabolism. <i>Biotechnology and Bioengineering</i> , 2009, 104, 162-180.	1.7	110
97	Impact of physicochemical parameters on in vitro assembly and disassembly kinetics of recombinant triple-layered rotavirus-like particles. <i>Biotechnology and Bioengineering</i> , 2009, 104, 674-686.	1.7	25
98	293 cell cycle synchronisation adenovirus vector production. <i>Biotechnology Progress</i> , 2009, 25, 235-243.	1.3	21
99	Baculovirus production for gene therapy: the role of cell density, multiplicity of infection and medium exchange. <i>Applied Microbiology and Biotechnology</i> , 2009, 81, 1041-1049.	1.7	52
100	Purification of recombinant baculoviruses for gene therapy using membrane processes. <i>Gene Therapy</i> , 2009, 16, 766-775.	2.3	79
101	Stirred bioreactors for the expansion of adult pancreatic stem cells. <i>Annals of Anatomy</i> , 2009, 191, 104-115.	1.0	32
102	Virus Production for Clinical Gene Therapy. <i>Methods in Molecular Biology</i> , 2009, 542, 447-470.	0.4	10
103	Towards an Extended Functional Hepatocyte <i>In Vitro</i> Culture. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 157-167.	1.1	74
104	Removal of envelope protein-free retroviral vectors by anion-exchange chromatography to improve product quality. <i>Journal of Separation Science</i> , 2008, 31, 3509-3518.	1.3	12
105	Towards purification of adenoviral vectors based on membrane technology. <i>Biotechnology Progress</i> , 2008, 24, 1290-1296.	1.3	56
106	Purification of recombinant rotavirus VP7 glycoprotein for the study of in vitro rotavirus-like particles assembly. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 874, 89-94.	1.2	16
107	Anion-exchange membrane chromatography for purification of rotavirus-like particles. <i>Journal of Membrane Science</i> , 2008, 311, 270-283.	4.1	83
108	Stochastic simulation of protein expression in the baculovirus/insect cells system. <i>Computers and Chemical Engineering</i> , 2008, 32, 68-77.	2.0	17

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109	Purification and Characterization of an Anti-Apoptotic Protein Isolated from <i>Lonomia obliqua</i> Hemolymph. <i>Biotechnology Progress</i> , 2008, 21, 99-105.	1.3	24
110	Scalable culture systems using different cell lines for the production of Peste des Petits ruminants vaccine. <i>Vaccine</i> , 2008, 26, 3305-3311.	1.7	27
111	Impact of Retroviral Vector Components Stoichiometry on Packaging Cell Lines: Effects on Productivity and Vector Quality. <i>Human Gene Therapy</i> , 2008, 19, 199-210.	1.4	15
112	Effect of the purification process and the storage conditions on the efficacy of an inactivated vaccine against heartwater. <i>Vaccine</i> , 2007, 25, 4903-4913.	1.7	21
113	Downstream processing of triple layered rotavirus like particles. <i>Journal of Biotechnology</i> , 2007, 127, 452-461.	1.9	100
114	Modeling rotavirus-like particles production in a baculovirus expression vector system: Infection kinetics, baculovirus DNA replication, mRNA synthesis and protein production. <i>Journal of Biotechnology</i> , 2007, 128, 875-894.	1.9	45
115	Effect of ammonia production on intracellular pH: Consequent effect on adenovirus vector production. <i>Journal of Biotechnology</i> , 2007, 129, 433-438.	1.9	27
116	Hybrid semi-parametric mathematical systems: Bridging the gap between systems biology and process engineering. <i>Journal of Biotechnology</i> , 2007, 132, 418-425.	1.9	30
117	Purification of retroviral vectors for clinical application: Biological implications and technological challenges. <i>Journal of Biotechnology</i> , 2007, 127, 520-541.	1.9	91
118	Cryopreservation in micro-volumes: Impact upon caco-2 colon adenocarcinoma cell proliferation and differentiation. <i>Biotechnology and Bioengineering</i> , 2007, 98, 155-166.	1.7	5
119	Scaleable purification process for gene therapy retroviral vectors. <i>Journal of Gene Medicine</i> , 2007, 9, 233-243.	1.4	33
120	Stirred vessel cultures of rat brain cells aggregates: Characterization of major metabolic pathways and cell population dynamics. <i>Journal of Neuroscience Research</i> , 2007, 85, 3386-3397.	1.3	15
121	Novel culture strategy for human stem cell proliferation and neuronal differentiation. <i>Journal of Neuroscience Research</i> , 2007, 85, 3557-3566.	1.3	25
122	Hybrid elementary flux analysis/nonparametric modeling: application for bioprocess control. <i>BMC Bioinformatics</i> , 2007, 8, 30.	1.2	77
123	Process development for the mass production of <i>Ehrlichia ruminantium</i> . <i>Vaccine</i> , 2006, 24, 1716-1725.	1.7	26
124	A novel recombinant virus-like particle vaccine for prevention of porcine parvovirus-induced reproductive failure. <i>Vaccine</i> , 2006, 24, 5481-5490.	1.7	71
125	Bioprocess Iterative Batch-to-Batch Optimization Based on Hybrid Parametric/Nonparametric Models. <i>Biotechnology Progress</i> , 2006, 22, 247-258.	1.3	37
126	Hybrid metabolic flux analysis/data-driven modelling of bioprocesses. <i>Computer Aided Chemical Engineering</i> , 2006, 21, 1667-1672.	0.3	1

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127	Screening of Novel Excipients for Improving the Stability of Retroviral and Adenoviral Vectors. <i>Biotechnology Progress</i> , 2006, 22, 568-576.	1.3	39
128	The importance of 293 cell cycle phase on adenovirus vector production. <i>Enzyme and Microbial Technology</i> , 2006, 39, 1328-1332.	1.6	15
129	Screening anion-exchange chromatographic matrices for isolation of onco-retroviral vectors. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 837, 59-68.	1.2	41
130	Catalase effect on cell death for the improvement of recombinant protein production in baculovirus-insect cell system. <i>Bioprocess and Biosystems Engineering</i> , 2006, 29, 409-414.	1.7	8
131	Retrovirus producer cell line metabolism: implications on viral productivity. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 1125-1135.	1.7	18
132	Intracellular dynamics in rotavirus-like particles production: Evaluation of multigene and monocistronic infection strategies. <i>Process Biochemistry</i> , 2006, 41, 2188-2199.	1.8	17
133	Purification of adenoviral vectors using expanded bed chromatography. <i>Journal of Virological Methods</i> , 2006, 132, 121-126.	1.0	34
134	Effect of medium sugar source on the production of retroviral vectors for gene therapy. <i>Biotechnology and Bioengineering</i> , 2006, 94, 24-36.	1.7	28
135	Effect of osmotic pressure on the production of retroviral vectors: Enhancement in vector stability. <i>Biotechnology and Bioengineering</i> , 2006, 94, 322-329.	1.7	30
136	Relationship between retroviral vector membrane and vector stability. <i>Journal of General Virology</i> , 2006, 87, 1349-1356.	1.3	19
137	Rotavirus-like particle production: Simulation of protein production and particle assembly. <i>Computer Aided Chemical Engineering</i> , 2006, , 1673-1678.	0.3	0
138	Quantification of Ehrlichia ruminantium by real time PCR. <i>Veterinary Microbiology</i> , 2005, 107, 273-278.	0.8	23
139	Characterization of Ehrlichia ruminantium replication and release kinetics in endothelial cell cultures. <i>Veterinary Microbiology</i> , 2005, 110, 87-96.	0.8	29
140	Cultures of rat astrocytes challenged with a steady supply of glutamate: New model to study flux distribution in the glutamate-glutamine cycle. <i>Glia</i> , 2005, 51, 286-296.	2.5	46
141	Culturing primary brain astrocytes under a fully controlled environment in a novel bioreactor. <i>Journal of Neuroscience Research</i> , 2005, 79, 26-32.	1.3	23
142	Two Different Serum-free Media and Osmolality Effect Upon Human 293 Cell Growth and Adenovirus Production. <i>Biotechnology Letters</i> , 2005, 27, 1809-1813.	1.1	22
143	On-Line Detection of Microbial Contaminations in Animal Cell Reactor Cultures Using an Electronic Nose Device. <i>Cytotechnology</i> , 2005, 48, 41-58.	0.7	17
144	Effect of refeed strategies and non-ammoniagenic medium on adenovirus production at high cell densities. <i>Journal of Biotechnology</i> , 2005, 119, 272-280.	1.9	45

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145	Triple layered rotavirus VLP production: Kinetics of vector replication, mRNA stability and recombinant protein production. <i>Journal of Biotechnology</i> , 2005, 120, 72-82.	1.9	91
146	Modelling and optimization of a recombinant BHK-21 cultivation process using hybrid grey-box systems. <i>Journal of Biotechnology</i> , 2005, 118, 290-303.	1.9	55
147	Quantitation of MLV-based retroviral vectors using real-time RT-PCR. <i>Journal of Virological Methods</i> , 2004, 119, 115-119.	1.0	32
148	Biochemical engineering. <i>Current Opinion in Biotechnology</i> , 2004, 15, 441-443.	3.3	0
149	Scale-up of virus-like particles production: effects of sparging, agitation and bioreactor scale on cell growth, infection kinetics and productivity. <i>Journal of Biotechnology</i> , 2004, 107, 55-64.	1.9	54
150	Virus-like particle production at low multiplicities of infection with the baculovirus insect cell system. <i>Biotechnology and Bioengineering</i> , 2003, 84, 245-253.	1.7	67
151	Enhancement of Sf-9 Cell Growth and Longevity through Supplementation of Culture Medium with Hemolymph. <i>Biotechnology Progress</i> , 2003, 19, 58-63.	1.3	26
152	Cell Growth Arrest by Nucleotides, Nucleosides and Bases as a Tool for Improved Production of Recombinant Proteins. <i>Biotechnology Progress</i> , 2003, 19, 69-83.	1.3	60
153	Culture Methods for Mass Production of Ruminant Endothelial Cells. <i>ACS Symposium Series</i> , 2003, , 124-141.	0.5	5
154	Production of Core and Virus-Like Particles with Baculovirus Infected Insect Cells. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2002, 74, 183-206.	0.6	24
155	Metabolic changes during cell growth inhibition by the IRF-1 system. <i>Enzyme and Microbial Technology</i> , 2002, 30, 95-109.	1.6	12
156	Insect Cell Culture Medium Supplementation with Fetal Bovine Serum and Bovine Serum Albumin: Effects on Baculovirus Adsorption and Infection Kinetics. <i>Biotechnology Progress</i> , 2002, 18, 855-861.	1.3	8
157	Strategies to modulate BHK cell proliferation by the regulation of IRF-1 expression. <i>Journal of Biotechnology</i> , 2001, 92, 47-59.	1.9	10
158	Effect of ethanol on the metabolism of primary astrocytes studied by ¹³ C- and ³¹ P-NMR spectroscopy. <i>Journal of Neuroscience Research</i> , 2001, 66, 803-811.	1.3	16
159	Two-dimensional versus three-dimensional culture systems: Effects on growth and productivity of BHK cells. , 2000, 52, 429-432.		22
160	Metabolic shifts do not influence the glycosylation patterns of a recombinant fusion protein expressed in BHK cells. , 2000, 69, 129-139.		16
161	NMR studies on energy metabolism of immobilized primary neurons and astrocytes during hypoxia, ischemia and hypoglycemia. <i>NMR in Biomedicine</i> , 2000, 13, 438-448.	1.6	31
162	Effects of ammonia and lactate on growth, metabolism, and productivity of BHK cells. <i>Enzyme and Microbial Technology</i> , 2000, 27, 43-52.	1.6	136

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