

Francesc Godia

List of Publications by Year in descending order

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75
papers

1,549
citations

304743

22
h-index

361022

35
g-index

75
all docs

75
docs citations

75
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	Considerations on the lactate consumption by CHO cells in the presence of galactose. <i>Journal of Biotechnology</i> , 2006, 125, 547-556.	3.8	152
2	Effect of aging on the pluripotential capacity of human CD105+mesenchymal stem cells. <i>European Journal of Heart Failure</i> , 2006, 8, 555-563.	7.1	99
3	Generation of HIV-1 Gag VLPs by transient transfection of HEK 293 suspension cell cultures using an optimized animal-derived component free medium. <i>Journal of Biotechnology</i> , 2013, 166, 152-165.	3.8	99
4	Fluidized-bed bioreactors. <i>Biotechnology Progress</i> , 1995, 11, 479-497.	2.6	70
5	Advancements in mammalian cell transient gene expression (TGE) technology for accelerated production of biologics. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 918-940.	9.0	54
6	Use of a chronic model of articular cartilage and meniscal injury for the assessment of long-term effects after autologous mesenchymal stromal cell treatment in sheep. <i>New Biotechnology</i> , 2014, 31, 492-498.	4.4	51
7	FGF-4 increases <i>in vitro</i> expansion rate of human adult bone marrow-derived mesenchymal stem cells. <i>Growth Factors</i> , 2007, 25, 71-76.	1.7	47
8	Development and validation of a quantitation assay for fluorescently tagged HIV-1 virus-like particles. <i>Journal of Virological Methods</i> , 2013, 193, 85-95.	2.1	43
9	Metabolic engineering of apoptosis in cultured animal cells: implications for the biotechnology industry. <i>Metabolic Engineering</i> , 2003, 5, 124-132.	7.0	41
10	Identification of key patterns in the metabolism of hybridoma cells in culture. <i>Enzyme and Microbial Technology</i> , 1997, 21, 421-428.	3.2	32
11	Selection and optimization of transfection enhancer additives for increased virus-like particle production in HEK293 suspension cell cultures. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9935-9949.	3.6	32
12	Optimized production of HIV-1 virus-like particles by transient transfection in CAP-T cells. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3935-3947.	3.6	32
13	Production of HIV-1-based virus-like particles for vaccination: achievements and limits. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7367-7384.	3.6	30
14	Quality Assessment of Virus-Like Particles at Single Particle Level: A Comparative Study. <i>Viruses</i> , 2020, 12, 223.	3.3	30
15	Analysis of Nutritional Factors and Physical Conditions Affecting Growth and Monoclonal Antibody Production of the Hybridoma KB-26.5 Cell Line. <i>Biotechnology Progress</i> , 1996, 12, 209-216.	2.6	28
16	The protection of hybridoma cells from apoptosis by caspase inhibition allows culture recovery when exposed to non-inducing conditions. <i>Journal of Biotechnology</i> , 2002, 95, 205-214.	3.8	28
17	Distribution of <i>Nitrosomonas europaea</i> and <i>Nitrobacter winogradskyi</i> in an autotrophic nitrifying biofilm reactor as depicted by molecular analyses and mathematical modelling. <i>Water Research</i> , 2008, 42, 1700-1714.	11.3	28
18	IPTG limitation avoids metabolic burden and acetic acid accumulation in induced fed-batch cultures of <i>Escherichia coli</i> M15 under glucose limiting conditions. <i>Biochemical Engineering Journal</i> , 2013, 70, 78-83.	3.6	28

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19	Application of immobilized yeast cells to sparkling wine fermentation. <i>Biotechnology Progress</i> , 1991, 7, 468-470.	2.6	27
20	Intracellular characterization of Gag VLP production by transient transfection of HEK 293 cells. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2507-2517.	3.3	26
21	Protective Effect of Viral Homologues of bcl-2 on Hybridoma Cells under Apoptosis-Inducing Conditions. <i>Biotechnology Progress</i> , 2003, 19, 84-89.	2.6	24
22	Extended gene expression by medium exchange and repeated transient transfection for recombinant protein production enhancement. <i>Biotechnology and Bioengineering</i> , 2015, 112, 934-946.	3.3	23
23	Multiplexed Quantitative Proteomic Analysis of HEK293 Provides Insights into Molecular Changes Associated with the Cell Density Effect, Transient Transfection, and Virus-Like Particle Production. <i>Journal of Proteome Research</i> , 2020, 19, 1085-1099.	3.7	23
24	Dynamics and steady state operation of a nitrifying fixed bed biofilm reactor: mathematical model based description. <i>Process Biochemistry</i> , 2005, 40, 2359-2369.	3.7	21
25	Identification of HIV-1-Based Virus-like Particles by Multifrequency Atomic Force Microscopy. <i>Biophysical Journal</i> , 2016, 111, 1173-1179.	0.5	21
26	Comparison of control strategies for fed-batch culture of hybridoma cells based on online monitoring of oxygen uptake rate, optical cell density and glucose concentration. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1680-1689.	3.2	20
27	Nanoscale characterization coupled to multi-parametric optimization of Hi5 cell transient gene expression. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10495-10510.	3.6	18
28	Continuous controlled long-term operation and modeling of a closed loop connecting an air-lift photobioreactor and an animal compartment for the development of a life support system. <i>Biochemical Engineering Journal</i> , 2019, 151, 107323.	3.6	18
29	Transient gene expression optimization and expression vector comparison to improve HIV-1 VLP production in HEK293 cell lines. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 165-174.	3.6	17
30	A statistical approach to improve compound screening in cell culture media. <i>Engineering in Life Sciences</i> , 2019, 19, 315-327.	3.6	17
31	Application of advanced quantification techniques in nanoparticle-based vaccine development with the Sf9 cell baculovirus expression system. <i>Vaccine</i> , 2020, 38, 1849-1859.	3.8	17
32	An Alternative Perfusion Approach for the Intensification of Virus-Like Particle Production in HEK293 Cultures. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 617.	4.1	17
33	Optimization, Production, Purification and Characterization of HIV-1 GAG-Based Virus-like Particles Functionalized with SARS-CoV-2. <i>Vaccines</i> , 2022, 10, 250.	4.4	17
34	Continuous manufacturing of viral particles. <i>Current Opinion in Chemical Engineering</i> , 2018, 22, 107-114.	7.8	16
35	Online multi-angle light scattering detector for faster process development in enveloped virus-like particle purification. <i>Journal of Separation Science</i> , 2019, 42, 2640-2649.	2.5	16
36	Integrating nanoparticle quantification and statistical design of experiments for efficient HIV-1 virus-like particle production in High Five cells. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1569-1582.	3.6	16

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37	Characterization of HIV-1 virus-like particles and determination of Gag stoichiometry for different production platforms. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2660-2675.	3.3	16
38	Gas-liquid mass transfer in an up-flow cocurrent packed-bed biofilm reactor. <i>Biochemical Engineering Journal</i> , 2006, 31, 188-196.	3.6	15
39	Development of a non-viral platform for rapid virus-like particle production in Sf9 cells. <i>Journal of Biotechnology</i> , 2020, 322, 43-53.	3.8	15
40	Molecular Characterization of the Coproduced Extracellular Vesicles in HEK293 during Virus-Like Particle Production. <i>Journal of Proteome Research</i> , 2020, 19, 4516-4532.	3.7	15
41	Quantification of the HIV-1 virus-like particle production process by super-resolution imaging: From VLP budding to nanoparticle analysis. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1929-1945.	3.3	15
42	Extended gene expression for Gag VLP production achieved at bioreactor scale. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 302-308.	3.2	14
43	Chimeric VLPs Based on HIV-1 Gag and a Fusion Rabies Glycoprotein Induce Specific Antibodies against Rabies and Foot-and-Mouth Disease Virus. <i>Vaccines</i> , 2021, 9, 251.	4.4	14
44	PEI-Mediated Transient Transfection of High Five Cells at Bioreactor Scale for HIV-1 VLP Production. <i>Nanomaterials</i> , 2020, 10, 1580.	4.1	12
45	Accelerating HIV-1 VLP production using stable High Five insect cell pools. <i>Biotechnology Journal</i> , 2021, 16, 2000391.	3.5	12
46	BHRF1 exerts an antiapoptotic effect and cell cycle arrest via Bcl-2 in murine hybridomas. <i>Journal of Biotechnology</i> , 2015, 209, 58-67.	3.8	11
47	Metabolic engineering of HEK293 cells to improve transient transfection and cell budding of HIV-1 virus-like particles. <i>Biotechnology and Bioengineering</i> , 2021, 118, 1630-1644.	3.3	11
48	A Simple Structured Model for Continuous Production of a Hybrid Antibiotic by <i>Streptomyces lividans</i> Pellets in a Fluidized-Bed Bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 1999, 80, 39-50.	2.9	10
49	Micrometric DNA/PEI polyplexes correlate with higher transient gene expression yields in HEK 293 cells. <i>New Biotechnology</i> , 2022, 68, 87-96.	4.4	10
50	Continuous perfusion culture of encapsulated hybridoma cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1555-1564.	3.2	9
51	A Four-Step Purification Process for Gag VLPs: From Culture Supernatant to High-Purity Lyophilized Particles. <i>Vaccines</i> , 2021, 9, 1154.	4.4	9
52	Expression of BHRF1 improves survival of murine hybridoma cultures in batch and continuous modes. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 43-57.	3.6	8
53	Coupling Microscopy and Flow Cytometry for a Comprehensive Characterization of Nanoparticle Production in Insect Cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 921-932.	1.5	8
54	Enhancement of HIV-1 VLP production using gene inhibition strategies. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4477-4487.	3.6	7

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55	Hierarchical Control of Space Closed Ecosystems: Expanding Microgrid Concepts to Bioastronautics. IEEE Industrial Electronics Magazine, 2021, 15, 16-27.	2.6	7
56	Use of immobilized microbial membrane fragments to remove oxygen and favor the acetone-butanol fermentation. Biotechnology Progress, 1990, 6, 210-213.	2.6	6
57	Overproduction and purification of an agarase of bacterial origin. Journal of Biotechnology, 1997, 58, 59-66.	3.8	6
58	The cell density effect in animal cell-based bioprocessing: Questions, insights and perspectives. Biotechnology Advances, 2022, 60, 108017.	11.7	6
59	Production of HIV virus-like particles by transient transfection of CAP-T cells at bioreactor scale avoiding medium replacement. Journal of Biotechnology, 2017, 263, 11-20.	3.8	5
60	Stable Sf9 cell pools as a system for rapid HIV virus-like particle production. Journal of Chemical Technology and Biotechnology, 0, , .	3.2	4
61	Integration of Nitrifying, Photosynthetic and Animal Compartments at the MELISSA Pilot Plant. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	4
62	Characterization and quantitation of fluorescent Gag virus-like particles. BMC Proceedings, 2013, 7, .	1.6	3
63	Dynamics of long-term continuous culture of <i>Limnospira indica</i> in an air-lift photobioreactor. Microbial Biotechnology, 2022, 15, 931-948.	4.2	3
64	Photobioreactor <i>Limnospira indica</i> Growth Model: Application From the MELISSA Plant Pilot Scale to ISS Flight Experiment. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	3
65	Differential N- and O-glycosylation signatures of HIV-1 Gag virus-like particles and coproduced extracellular vesicles. Biotechnology and Bioengineering, 2022, 119, 1207-1221.	3.3	3
66	Transduction of HEK293 Cells with BacMam Baculovirus Is an Efficient System for the Production of HIV-1 Virus-like Particles. Viruses, 2022, 14, 636.	3.3	3
67	Importance of growth form on production of hybrid antibiotic by <i>Streptomyces lividans</i> TK21 by fed-batch and continuous fermentation. Applied Biochemistry and Biotechnology, 1998, 75, 235-248.	2.9	2
68	An effectiveness factor you can see. Applied Biochemistry and Biotechnology, 1991, 30, 121-128.	2.9	1
69	Selection of an Immobilization Method for a Perfusion Bioreactor with Hybridoma Cells. , 1997, , 423-428.		1
70	Analysis of Glucose and Glutamine Metabolism of Hybridoma Cells by Continuous Culture Experiments. , 1997, , 785-789.		1
71	Hierarchically controlled ecological life support systems. Computers and Chemical Engineering, 2022, 157, 107625.	3.8	1
72	Metaproteomics, Heterotrophic Growth, and Distribution of <i>Nitrosomonas europaea</i> and <i>Nitrobacter winogradskyi</i> after Long-Term Operation of an Autotrophic Nitrifying Biofilm Reactor. Applied Microbiology, 2022, 2, 272-287.	1.6	1

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73	Production and characterization of HIV-1 virus-like particles using transient gene expression in mammalian cells. <i>New Biotechnology</i> , 2014, 31, S42.	4.4	0
74	Dissecting the Mechanism of Action of BHRF1 for the Protection Against Apoptosis in MAb-Producing Cell Lines. , 2012, , 61-65.		0
75	On-Line Monitoring of Glutamine and Ammonium in Mammalian-Cell Cultures. , 1997, , 429-434.		0