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	Dynamics of longâ€term continuous culture of Limnospira indica in an airâ€lift photobioreactor. Microbial Biotechnology, 2022, 15, 931-948.	4.2	3
2	Hierarchically controlled ecological life support systems. Computers and Chemical Engineering, 2022, 157, 107625.	3.8	1
3	Differential Nâ€and Oâ€glycosylation signatures of HIVâ€1 Gag virusâ€like particles and coproduced extracellular vesicles. Biotechnology and Bioengineering, 2022, 119, 1207-1221.	3.3	3
4	Optimization, Production, Purification and Characterization of HIV-1 GAG-Based Virus-like Particles Functionalized with SARS-CoV-2. Vaccines, 2022, 10, 250.	4.4	17
5	Micrometric DNA/PEI polyplexes correlate with higher transient gene expression yields in HEK 293 cells. New Biotechnology, 2022, 68, 87-96.	4.4	10
6	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
7	Metaproteomics, Heterotrophic Growth, and Distribution of Nitrosomonas europaea and Nitrobacter winogradskyi after Long-Term Operation of an Autotrophic Nitrifying Biofilm Reactor. Applied Microbiology, 2022, 2, 272-287.	1.6	1
8	The cell density effect in animal cell-based bioprocessing: Questions, insights and perspectives. Biotechnology Advances, 2022, 60, 108017.	11.7	6
9	Accelerating HIVâ€1 VLP production using stable High Five insect cell pools. Biotechnology Journal, 2021, 16, 2000391.	3.5	12
10	Metabolic engineering of HEK293 cells to improve transient transfection and cell budding of HIVâ€1 virusâ€like particles. Biotechnology and Bioengineering, 2021, 118, 1630-1644.	3.3	11
11	Chimeric VLPs Based on HIV-1 Gag and a Fusion Rabies Glycoprotein Induce Specific Antibodies against Rabies and Foot-and-Mouth Disease Virus. Vaccines, 2021, 9, 251.	4.4	14
12	Characterization of HIVâ€1 virusâ€like particles and determination of Gag stoichiometry for different production platforms. Biotechnology and Bioengineering, 2021, 118, 2660-2675.	3.3	16
13	Hierarchical Control of Space Closed Ecosystems: Expanding Microgrid Concepts to Bioastronautics. IEEE Industrial Electronics Magazine, 2021, 15, 16-27.	2.6	7
14	Photobioreactor Limnospira indica Growth Model: Application From the MELiSSA Plant Pilot Scale to ISS Flight Experiment. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	3
15	A Four-Step Purification Process for Gag VLPs: From Culture Supernatant to High-Purity Lyophilized Particles. Vaccines, 2021, 9, 1154.	4.4	9
16	Integration of Nitrifying, Photosynthetic and Animal Compartments at the MELiSSA Pilot Plant. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	4
17	Integrating nanoparticle quantification and statistical design of experiments for efficient HIV-1 virus-like particle production in High Five cells. Applied Microbiology and Biotechnology, 2020, 104, 1569-1582.	3.6	16
18	Application of advanced quantification techniques in nanoparticle-based vaccine development with the Sf9 cell baculovirus expression system. Vaccine, 2020, 38, 1849-1859.	3.8	17

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19	Development of a non-viral platform for rapid virus-like particle production in Sf9 cells. Journal of Biotechnology, 2020, 322, 43-53.	3.8	15
20	Molecular Characterization of the Coproduced Extracellular Vesicles in HEK293 during Virus-Like Particle Production. Journal of Proteome Research, 2020, 19, 4516-4532.	3.7	15
21	PEI-Mediated Transient Transfection of High Five Cells at Bioreactor Scale for HIV-1 VLP Production. Nanomaterials, 2020, 10, 1580.	4.1	12
22	Coupling Microscopy and Flow Cytometry for a Comprehensive Characterization of Nanoparticle Production in Insect Cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 921-932.	1.5	8
23	An Alternative Perfusion Approach for the Intensification of Virus-Like Particle Production in HEK293 Cultures. Frontiers in Bioengineering and Biotechnology, 2020, 8, 617.	4.1	17
24	Quality Assessment of Virus-Like Particles at Single Particle Level: A Comparative Study. Viruses, 2020, 12, 223.	3.3	30
25	Multiplexed Quantitative Proteomic Analysis of HEK293 Provides Insights into Molecular Changes Associated with the Cell Density Effect, Transient Transfection, and Virus-Like Particle Production. Journal of Proteome Research, 2020, 19, 1085-1099.	3.7	23
26	Quantification of the HIVâ€1 virusâ€like particle production process by superâ€resolution imaging: From VLP budding to nanoparticle analysis. Biotechnology and Bioengineering, 2020, 117, 1929-1945.	3.3	15
27	Extended gene expression for Gag VLP production achieved at bioreactor scale. Journal of Chemical Technology and Biotechnology, 2019, 94, 302-308.	3.2	14
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. Biochemical Engineering Journal, 2019, 151, 107323.	3.6	18
29	Production of HIV-1-based virus-like particles for vaccination: achievements and limits. Applied Microbiology and Biotechnology, 2019, 103, 7367-7384.	3.6	30
30	Atâ€line multiâ€angle light scattering detector for faster process development in enveloped virusâ€like particle purification. Journal of Separation Science, 2019, 42, 2640-2649.	2.5	16
31	A statistical approach to improve compound screening in cell culture media. Engineering in Life Sciences, 2019, 19, 315-327.	3.6	17
32	Advancements in mammalian cell transient gene expression (TGE) technology for accelerated production of biologics. Critical Reviews in Biotechnology, 2018, 38, 918-940.	9.0	54
33	Enhancement of HIV-1 VLP production using gene inhibition strategies. Applied Microbiology and Biotechnology, 2018, 102, 4477-4487.	3.6	7
34	Transient gene expression optimization and expression vector comparison to improve HIV-1 VLP production in HEK293 cell lines. Applied Microbiology and Biotechnology, 2018, 102, 165-174.	3.6	17
35	Continuous manufacturing of viral particles. Current Opinion in Chemical Engineering, 2018, 22, 107-114.	7.8	16
36	Nanoscale characterization coupled to multi-parametric optimization of Hi5 cell transient gene expression. Applied Microbiology and Biotechnology, 2018, 102, 10495-10510.	3.6	18

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37	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
38	Intracellular characterization of Gag VLP production by transient transfection of HEK 293 cells. Biotechnology and Bioengineering, 2017, 114, 2507-2517.	3.3	26
39	Optimized production of HIV-1 virus-like particles by transient transfection in CAP-T cells. Applied Microbiology and Biotechnology, 2016, 100, 3935-3947.	3.6	32
40	Identification of HIV-1â€“Based Virus-like Particles by Multifrequency Atomic Force Microscopy. Biophysical Journal, 2016, 111, 1173-1179.	0.5	21
41	Extended gene expression by medium exchange and repeated transient transfection for recombinant protein production enhancement. Biotechnology and Bioengineering, 2015, 112, 934-946.	3.3	23
42	Selection and optimization of transfection enhancer additives for increased virus-like particle production in HEK293 suspension cell cultures. Applied Microbiology and Biotechnology, 2015, 99, 9935-9949.	3.6	32
43	BHRF1 exerts an antiapoptotic effect and cell cycle arrest via Bcl-2 in murine hybridomas. Journal of Biotechnology, 2015, 209, 58-67.	3.8	11
44	Production and characterization of HIV-1 virus-like particles using transient gene expression in mammalian cells. New Biotechnology, 2014, 31, S42.	4.4	0
45	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. New Biotechnology, 2014, 31, 492-498.	4.4	51
46	Development and validation of a quantitation assay for fluorescently tagged HIV-1 virus-like particles. Journal of Virological Methods, 2013, 193, 85-95.	2.1	43
47	Characterization and quantitation of fluorescent Gag virus-like particles. BMC Proceedings, 2013, 7, .	1.6	3
48	Generation of HIV-1 Gag VLPs by transient transfection of HEK 293 suspension cell cultures using an optimized animal-derived component free medium. Journal of Biotechnology, 2013, 166, 152-165.	3.8	99
49	Comparison of control strategies for fedâ€batch culture of hybridoma cells based on onâ€line monitoring of oxygen uptake rate, optical cell density and glucose concentration. Journal of Chemical Technology and Biotechnology, 2013, 88, 1680-1689.	3.2	20
50	IPTG limitation avoids metabolic burden and acetic acid accumulation in induced fed-batch cultures of Escherichia coli M15 under glucose limiting conditions. Biochemical Engineering Journal, 2013, 70, 78-83.	3.6	28
51	Dissecting the Mechanism of Action of BHRF1 for the Protection Against Apoptosis in MAb-Producing Cell Lines. , 2012, , 61-65.		0
52	Continuous perfusion culture of encapsulated hybridoma cells. Journal of Chemical Technology and Biotechnology, 2011, 86, 1555-1564.	3.2	9
53	Expression of BHRF1 improves survival of murine hybridoma cultures in batch and continuous modes. Applied Microbiology and Biotechnology, 2009, 83, 43-57.	3.6	8
54	Distribution of Nitrosomonas europaea and Nitrobacter winogradskyi in an autotrophic nitrifying biofilm reactor as depicted by molecular analyses and mathematical modelling. Water Research, 2008, 42, 1700-1714.	11.3	28

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55	FGF-4 increasesin vitroexpansion rate of human adult bone marrow-derived mesenchymal stem cells. Growth Factors, 2007, 25, 71-76.	1.7	47
56	Considerations on the lactate consumption by CHO cells in the presence of galactose. Journal of Biotechnology, 2006, 125, 547-556.	3.8	152
57	Gasâ€“liquid mass transfer in an up-flow cocurrent packed-bed biofilm reactor. Biochemical Engineering Journal, 2006, 31, 188-196.	3.6	15
58	Effect of aging on the pluripotential capacity of human CD105+mesenchymal stem cells. European Journal of Heart Failure, 2006, 8, 555-563.	7.1	99
59	Dynamics and steady state operation of a nitrifying fixed bed biofilm reactor: mathematical model based description. Process Biochemistry, 2005, 40, 2359-2369.	3.7	21
60	Protective Effect of Viral Homologues of bcl-2 on Hybridoma Cells under Apoptosis-Inducing Conditions. Biotechnology Progress, 2003, 19, 84-89.	2.6	24
61	Metabolic engineering of apoptosis in cultured animal cells: implications for the biotechnology industry. Metabolic Engineering, 2003, 5, 124-132.	7.0	41
62	The protection of hybridoma cells from apoptosis by caspase inhibition allows culture recovery when exposed to non-inducing conditions. Journal of Biotechnology, 2002, 95, 205-214.	3.8	28
63	A Simple Structured Model for Continuous Production of a Hybrid Antibiotic by Streptomyces lividans Pellets in a Fluidized-Bed Bioreactor. Applied Biochemistry and Biotechnology, 1999, 80, 39-50.	2.9	10
64	Importance of growth form on production of hybrid antibiotic byStreptomyces lividans TK21 by fed-batch and continuous fermentation. Applied Biochemistry and Biotechnology, 1998, 75, 235-248.	2.9	2
65	Overproduction and purification of an agarase of bacterial origin. Journal of Biotechnology, 1997, 58, 59-66.	3.8	6
66	Identification of key patterns in the metabolism of hybridoma cells in culture. Enzyme and Microbial Technology, 1997, 21, 421-428.	3.2	32
67	On-Line Monitoring of Glutamine and Ammonium in Mammalian-Cell Cultures. , 1997, , 429-434.		0
68	Selection of an Immobilization Method for a Perfusion Bioreactor with Hybridoma Cells. , 1997, , 423-428.		1
69	Analysis of Glucose and Glutamine Metabolism of Hybridoma Cells by Continuous Culture Experiments. , 1997, , 785-789.		1
70	Analysis of Nutritional Factors and Physical Conditions Affecting Growth and Monoclonal Antibody Production of the Hybridoma KB-26.5 Cell Line. Biotechnology Progress, 1996, 12, 209-216.	2.6	28
71	Fluidized-bed bioreactors. Biotechnology Progress, 1995, 11, 479-497.	2.6	70
72	An effectiveness factor you can see. Applied Biochemistry and Biotechnology, 1991, 30, 121-128.	2.9	1

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73	Application of immobilized yeast cells to sparkling wine fermentation. Biotechnology Progress, 1991, 7, 468-470.	2.6	27
74	Use of immobilized microbial membrane fragments to remove oxygen and favor the acetone-butanol fermentation. Biotechnology Progress, 1990, 6, 210-213.	2.6	6
75	Stable Sf9 cell pools as a system for rapid HIV â€1 virusâ€like particle production. Journal of Chemical Technology and Biotechnology, 0, , .	3.2	4