

# Renato M Astray

## List of Publications by Year in descending order

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39  
papers

615  
citations

623734

14  
h-index

642732

23  
g-index

40  
all docs

40  
docs citations

40  
times ranked

804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for the Production of Soluble Interferon-Alpha Consensus and Potential Application in Arboviruses and SARS-CoV-2. <i>Life</i> , 2021, 11, 460.	2.4	3
2	Production of Rabies VLPs in Insect Cells by Two Monocistronic Baculoviruses Approach. <i>Molecular Biotechnology</i> , 2021, 63, 1068-1080.	2.4	12
3	Morphology of the Cutaneous Poison and Mucous Glands in Amphibians with Particular Emphasis on Caecilians ( <i>Siphonops annulatus</i> ). <i>Toxins</i> , 2021, 13, 779.	3.4	5
4	Differential gene expression elicited by ZIKV infection in trophoblasts from congenital Zika syndrome discordant twins. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008424.	3.0	18
5	Purification of rabies virus glycoprotein produced in <i>Drosophila melanogaster</i> S2 cells: An efficient immunoaffinity method. <i>Biotechnology Progress</i> , 2020, 36, e3046.	2.6	3
6	Homologous prime-boost with Zika virus envelope protein and poly (I:C) induces robust specific humoral and cellular immune responses. <i>Vaccine</i> , 2020, 38, 3653-3664.	3.8	17
7	Semliki Forest Virus replicon particles production in serum-free medium BHK-21 cell cultures and their use to express different proteins. <i>Cytotechnology</i> , 2019, 71, 949-962.	1.6	6
8	An optimization study for expression of the rabies virus glycoprotein (RVGP) in mammalian cell lines using the Semliki Forest virus (SFV). <i>Journal of Biotechnology</i> , 2019, 304, 63-69.	3.8	0
9	Discordant congenital Zika syndrome twins show differential in vitro viral susceptibility of neural progenitor cells. <i>Nature Communications</i> , 2018, 9, 475.	12.8	86
10	Zika Virus Selectively Kills Aggressive Human Embryonal CNS Tumor Cells <i>In Vitro</i> and <i>In Vivo</i> . <i>Cancer Research</i> , 2018, 78, 3363-3374.	0.9	54
11	Intracellular Delivery of HCV NS3p gene using vectored particles. <i>Journal of Biotechnology</i> , 2018, 274, 33-39.	3.8	1
12	Production of Recombinant Rabies Virus Glycoprotein by Insect Cells in a Single-Use Fixed-Bed Bioreactor. <i>Methods in Molecular Biology</i> , 2018, 1674, 87-94.	0.9	0
13	DROSOPHILA S2 cell culture in a WAVE Bioreactor: potential for scaling up the production of the recombinant rabies virus glycoprotein. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4773-4783.	3.6	7
14	Rabies vaccine development by expression of recombinant viral glycoprotein. <i>Archives of Virology</i> , 2017, 162, 323-332.	2.1	23
15	Approach toward an efficient inoculum preparation stage for suspension BHK-21 cell culture. <i>Cytotechnology</i> , 2016, 68, 95-104.	1.6	5
16	Expression of Viral Envelope Glycoproteins in <i>Drosophila melanogaster</i> S2 Cells. <i>Methods in Molecular Biology</i> , 2016, 1432, 103-118.	0.9	0
17	Impact of recombinant <i>Drosophila</i> S2 cell population enrichment on expression of rabies virus glycoprotein. <i>Cytotechnology</i> , 2016, 68, 2605-2611.	1.6	7
18	Insect cell entrapment, growth and recovering using a single-use fixed-bed bioreactor. Scaling up and recombinant protein production. <i>Journal of Biotechnology</i> , 2015, 216, 110-115.	3.8	15

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19	Influence of aeration-homogenization system in stirred tank bioreactors, dissolved oxygen concentration and pH control mode on BHK-21 cell growth and metabolism. <i>Cytotechnology</i> , 2014, 66, 605-17.	1.6	5
20	Rabies virus glycoprotein and immune response pattern using recombinant protein or recombinant RNA viral vectors. <i>Vaccine</i> , 2014, 32, 2829-2832.	3.8	10
21	A multivariate calibration procedure for UV/VIS spectrometric monitoring of BHK-21 cell metabolism and growth. <i>Biotechnology Progress</i> , 2014, 30, 241-248.	2.6	12
22	Transient expression of rabies virus glycoprotein (RVGP) in <i>Drosophila melanogaster</i> Schneider 2 (S2) cells. <i>Journal of Biotechnology</i> , 2014, 192, 255-262.	3.8	11
23	Quantitative RT-PCR for titration of replication-defective recombinant Semliki Forest virus. <i>Journal of Virological Methods</i> , 2013, 193, 647-652.	2.1	21
24	Kinetic studies of recombinant rabies virus glycoprotein (RVGP) cDNA transcription and mRNA translation in <i>Drosophila melanogaster</i> S2 cell populations. <i>Cytotechnology</i> , 2013, 65, 829-838.	1.6	5
25	Semliki forest virus as a vector: pros and cons for its use in biopharmaceuticals production. <i>Brazilian Archives of Biology and Technology</i> , 2013, 56, 859-866.	0.5	4
26	Effect of hypothermic temperatures on production of rabies virus glycoprotein by recombinant <i>Drosophila melanogaster</i> S2 cells cultured in suspension. <i>Journal of Biotechnology</i> , 2012, 161, 328-335.	3.8	11
27	<i>Drosophila melanogaster</i> S2 cells for expression of heterologous genes: From gene cloning to bioprocess development. <i>Biotechnology Advances</i> , 2012, 30, 613-628.	11.7	52
28	Behavior of Wild-type and Transfected S2 Cells Cultured in Two Different Media. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 1-13.	2.9	6
29	Recombinant rabies virus glycoprotein synthesis in bioreactor by transfected <i>Drosophila melanogaster</i> S2 cells carrying a constitutive or an inducible promoter. <i>Journal of Biotechnology</i> , 2010, 146, 169-172.	3.8	21
30	Study of kinetic parameters for the production of recombinant rabies virus glycoprotein. <i>Cytotechnology</i> , 2009, 60, 143-151.	1.6	5
31	High-level expression of rabies virus glycoprotein with the RNA-based Semliki Forest Virus expression vector. <i>Journal of Biotechnology</i> , 2009, 139, 283-290.	3.8	16
32	Rabies virus glycoprotein expression in <i>Drosophila</i> S2 cells. I: Design of expression/selection vectors, subpopulations selection and influence of sodium butyrate and culture medium on protein expression. <i>Journal of Biotechnology</i> , 2009, 143, 103-110.	3.8	22
33	Bioreactor culture of recombinant <i>Drosophila melanogaster</i> S2 cells: characterization of metabolic features related to cell growth and production of the rabies virus glycoprotein. <i>Cytotechnology</i> , 2008, 57, 61-66.	1.6	12
34	Enhanced production of recombinant rabies virus glycoprotein (rRVGP) by <i>Drosophila melanogaster</i> S2 cells through control of culture conditions. <i>Cytotechnology</i> , 2008, 57, 67-72.	1.6	17
35	Growth of recombinant <i>Drosophila melanogaster</i> Schneider 2 cells producing rabies virus glycoprotein in bioreactor employing serum-free medium. <i>Cytotechnology</i> , 2008, 57, 73-81.	1.6	16
36	Enhancing effect of a protein from <i>Lonomia obliqua</i> hemolymph on recombinant protein production. <i>Cytotechnology</i> , 2008, 57, 83-91.	1.6	19

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37	Characterization of growth and metabolism of <i>Drosophila melanogaster</i> cells transfected with the rabies-virus glycoprotein gene. <i>Biotechnology and Applied Biochemistry</i> , 2008, 49, 41.	3.1	13
38	Analytical approach for the extraction of recombinant membrane viral glycoprotein from stably transfected <i>Drosophila melanogaster</i> cells. <i>Biotechnology Journal</i> , 2008, 3, 98-103.	3.5	32
39	Rabies virus glycoprotein expression in <i>Drosophila</i> S2 cells. I. Functional recombinant protein in stable co-transfected cell line. <i>Biotechnology Journal</i> , 2007, 2, 102-109.	3.5	43