

# Jorge Bolivar

## List of Publications by Year in descending order

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36  
papers

888  
citations

623188

14  
h-index

476904

29  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Enzymatic Bottlenecks for the Aerobic Production of Malate from Glycerol by the Systematic Gene Overexpression of Anaplerotic Enzymes in <i>Escherichia coli</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2266.	1.8	3
2	Co-overexpression of the malate dehydrogenase (Mdh) and the malic enzyme A (MaeA) in several <i>Escherichia coli</i> mutant backgrounds increases malate redirection towards hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 15337-15350.	3.8	5
3	Platforms for Production of Protein-Based Vaccines: From Classical to Next-Generation Strategies. <i>Biomolecules</i> , 2021, 11, 1072.	1.8	53
4	<i>Escherichia coli</i> , the workhorse cell factory for the production of chemicals. , 2021, , 115-137.		3
5	Versatile method to obtain protein- and/or amino acid-enriched extracts from fresh biomass of recalcitrant microalgae without mechanical pretreatment. <i>Algal Research</i> , 2020, 50, 102010.	2.4	15
6	Optimization of the Biocatalysis for D-DIBOA Synthesis Using a Quick and Sensitive New Spectrophotometric Quantification Method. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8523.	1.8	2
7	A novel PKC activating molecule promotes neuroblast differentiation and delivery of newborn neurons in brain injuries. <i>Cell Death and Disease</i> , 2020, 11, 262.	2.7	17
8	Main Variables Affecting a Chemical-Enzymatic Method to Obtain Protein and Amino Acids from Resistant Microalgae. <i>Journal of Chemistry</i> , 2019, 2019, 1-10.	0.9	12
9	A genetically engineered <i>Escherichia coli</i> strain overexpressing the nitroreductase NfsB is capable of producing the herbicide D-DIBOA with 100% molar yield. <i>Microbial Cell Factories</i> , 2019, 18, 86.	1.9	6
10	Metabolic engineering for the optimization of hydrogen production in <i>Escherichia coli</i> : A review. <i>Biotechnology Advances</i> , 2019, 37, 616-633.	6.0	29
11	Evidence for <i>Escherichia coli</i> DcuD carrier dependent FOF1-ATPase activity during fermentation of glycerol. <i>Scientific Reports</i> , 2019, 9, 4279.	1.6	7
12	Overexpression of the nitroreductase NfsB in an <i>E. coli</i> strain as a whole-cell biocatalyst for the production of chlorinated analogues of the natural herbicide DIBOA. <i>New Biotechnology</i> , 2019, 50, 9-19.	2.4	6
13	The atheroma plaque secretome stimulates the mobilization of endothelial progenitor cells ex vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 105, 12-23.	0.9	14
14	Heterologous expression of the human Phosphoenol Pyruvate Carboxykinase (hPEPCK-M) improves hydrogen and ethanol synthesis in the <i>Escherichia coli</i> dcuD mutant when grown in a glycerol-based medium. <i>New Biotechnology</i> , 2017, 35, 1-12.	2.4	7
15	Nitric oxide synthase-dependent immune response against gram negative bacteria in a crustacean, <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2016, 50, 50-55.	1.6	23
16	Identification of enhanced hydrogen and ethanol <i>Escherichia coli</i> producer strains in a glycerol-based medium by screening in single-knock out mutant collections. <i>Microbial Cell Factories</i> , 2015, 14, 93.	1.9	22
17	A systematic analysis of TCA <i>Escherichia coli</i> mutants reveals suitable genetic backgrounds for enhanced hydrogen and ethanol production using glycerol as main carbon source. <i>Biotechnology Journal</i> , 2015, 10, 1750-1761.	1.8	16
18	N-glycosylation profile analysis of Trastuzumab biosimilar candidates by Normal Phase Liquid Chromatography and MALDI-TOF MS approaches. <i>Journal of Proteomics</i> , 2015, 127, 225-233.	1.2	40

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19	A brain circuit that synchronizes growth and maturation revealed through Dilp8 binding to Lgr3. <i>Science</i> , 2015, 350, aac6767.	6.0	155
20	Study of the role of Escherichia coli central metabolism pathways related genes in the synthesis of hydrogen and ethanol by using glycerol as carbon source. <i>New Biotechnology</i> , 2014, 31, S165.	2.4	0
21	NOA36 Protein Contains a Highly Conserved Nucleolar Localization Signal Capable of Directing Functional Proteins to the Nucleolus, in Mammalian Cells. <i>PLoS ONE</i> , 2013, 8, e59065.	1.1	11
22	Study of the role played by NfsA, NfsB nitroreductase and NemaA flavin reductase from Escherichia coli in the conversion of ethyl 2-(2-nitrophenoxy)acetate to 4-hydroxy-(2H)-1,4-benzoxazin-3(4H)-one (D-DIBOA), a benzohydroxamic acid with interesting biological properties. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 163-171.	1.7	18
23	Applicability of enzymatic extracts obtained by solid state fermentation on grape pomace and orange peels mixtures in must clarification. <i>LWT - Food Science and Technology</i> , 2011, 44, 840-846.	2.5	25
24	New aspects concerning to the characterization and the relationship with the immune response in vivo of the spiny lobster Panulirus argus nitric oxide synthase. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 25, 396-406.	1.2	14
25	An inducible nitric oxide synthase (NOS) is expressed in hemocytes of the spiny lobster Panulirus argus: Cloning, characterization and expression analysis. <i>Fish and Shellfish Immunology</i> , 2010, 29, 469-479.	1.6	32
26	NOA36/ZNF330 is a conserved cystein-rich protein with proapoptotic activity in human cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1876-1885.	1.9	8
27	Epigenetic silencers and Notch collaborate to promote malignant tumours by Rb silencing. <i>Nature</i> , 2006, 439, 430-436.	13.7	197
28	Genetic dissection of a stem cell niche: The case of the Drosophila ovary. <i>Developmental Dynamics</i> , 2006, 235, 2969-2979.	0.8	78
29	Short Communication: Molecular Analysis of the 5' Region of Human Ribosomal Transcription Factor UBF. <i>DNA Sequence</i> , 2001, 12, 267-272.	0.7	0
30	Genomic structure and chromosome location of the human gene encoding the zinc finger autoantigen ZNF330. <i>Cytogenetic and Genome Research</i> , 2001, 93, 234-238.	0.6	6
31	Immunohistochemical Detection of Ribosomal Transcription Factor UBF and AgNOR Staining Identify Apoptotic Events in Neoplastic Cells of Hodgkin's Disease and in Other Lymphoid Cells. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 1521-1529.	1.3	13
32	Molecular Cloning of a Zinc Finger Autoantigen Transiently Associated with Interphase Nucleolus and Mitotic Centromeres and Midbodies. <i>Journal of Biological Chemistry</i> , 1999, 274, 36456-36464.	1.6	23
33	Immunohistochemical detection of ribosomal transcription factor UBF: diagnostic value in malignant specimens. <i>Journal of Pathology</i> , 1998, 184, 77-82.	2.1	6
34	The Fragile-X-related Gene FXR1 Is a Human Autoantigen Processed during Apoptosis. <i>Journal of Biological Chemistry</i> , 1998, 273, 17122-17127.	1.6	13
35	Cloning and sequencing of the genes encoding the hamster ribosomal transcription factors UBF1 and UBF2. <i>Gene</i> , 1996, 176, 257-258.	1.0	7
36	Immunodetection of the Ribosomal Transcription Factor UBF at the Nucleolus Organizer Regions of Fish Cells. <i>Cell Structure and Function</i> , 1994, 19, 153-158.	0.5	2