

# Norma A Valdez-Cruz

## List of Publications by Year in descending order

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34  
papers

1,021  
citations

567281

15  
h-index

434195

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quercetin and 1-methyl-2-oxindole mimic root signaling that promotes spore germination and mycelial growth of <i>Gigaspora margarita</i> . <i>Mycorrhiza</i> , 2022, 32, 177-191.	2.8	2
2	A comprehensive comparison of mixing and mass transfer in shake flasks and their relationship with MAb productivity of CHO cells. <i>Bioprocess and Biosystems Engineering</i> , 2022, , 1.	3.4	0
3	Computational Design of Inhibitors Targeting the Catalytic $\hat{I}^2$ Subunit of <i>Escherichia coli</i> FOF1-ATP Synthase. <i>Antibiotics</i> , 2022, 11, 557.	3.7	3
4	Compartmentalized Proteomic Profiling Outlines the Crucial Role of the Classical Secretory Pathway during Recombinant Protein Production in Chinese Hamster Ovary Cells. <i>ACS Omega</i> , 2021, 6, 12439-12458.	3.5	9
5	Oxygen transfer rate affect polyhydroxybutyrate production and oxidative stress response in submerged cultures of <i>Rhizobium phaseoli</i> . <i>Biochemical Engineering Journal</i> , 2020, 162, 107721.	3.6	4
6	Enrichment of microsomes from Chinese hamster ovary cells by subcellular fractionation for its use in proteomic analysis. <i>PLoS ONE</i> , 2020, 15, e0237930.	2.5	4
7	Nutrient supplementation strategy improves cell concentration and longevity, monoclonal antibody production and lactate metabolism of Chinese hamster ovary cells. <i>Bioengineered</i> , 2020, 11, 463-471.	3.2	18
8	Laccases: structure, function, and potential application in water bioremediation. <i>Microbial Cell Factories</i> , 2019, 18, 200.	4.0	269
9	Recombinant O-mannosylated protein production (PstS-1) from <i>Mycobacterium tuberculosis</i> in <i>Pichia pastoris</i> ( <i>Komagataella phaffii</i> ) as a tool to study tuberculosis infection. <i>Microbial Cell Factories</i> , 2019, 18, 11.	4.0	9
10	Shaken flasks by resonant acoustic mixing in the biosynthesis of alginate by <i>Azotobacter vinelandii</i> with non-Newtonian rheological characteristics. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1159-1168.	3.2	2
11	Recombinant-phospholipase A2 production and architecture of inclusion bodies are affected by pH in <i>Escherichia coli</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 108, 826-836.	7.5	12
12	Standard Instruments for Bioprocess Analysis and Control. , 2017, , 593-626.		3
13	Production of a recombinant phospholipase A2 in <i>Escherichia coli</i> using resonant acoustic mixing that improves oxygen transfer in shake flasks. <i>Microbial Cell Factories</i> , 2017, 16, 129.	4.0	16
14	Effect of Temperature Downshift on the Transcriptomic Responses of Chinese Hamster Ovary Cells Using Recombinant Human Tissue Plasminogen Activator Production Culture. <i>PLoS ONE</i> , 2016, 11, e0151529.	2.5	52
15	Shaken flasks by resonant acoustic mixing versus orbital mixing: Mass transfer coefficient $k_L a$ characterization and <i>Escherichia coli</i> cultures comparison. <i>Biochemical Engineering Journal</i> , 2016, 105, 379-390.	3.6	29
16	Positive effect of reduced aeration rate on growth and stereospecificity of dl-malic acid consumption by <i>Azospirillum brasilense</i> : Improving the shelf life of a liquid inoculant formulation. <i>Journal of Biotechnology</i> , 2015, 195, 74-81.	3.8	9
17	The production, molecular weight and viscosifying power of alginate produced by <i>Azotobacter vinelandii</i> is affected by the carbon source in submerged cultures. <i>DYNA (Colombia)</i> , 2015, 82, 21-26.	0.4	3
18	Influence of pH control in the formation of inclusion bodies during production of recombinant sphingomyelinase-D in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2014, 13, 137.	4.0	42

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19	The role of volumetric power input in the growth, morphology, and production of a recombinant glycoprotein by <i>Streptomyces lividans</i> in shake flasks. <i>Biochemical Engineering Journal</i> , 2014, 90, 224-233.	3.6	9
20	Conservation of the mycelia of the medicinal mushroom <i>Humphreya coffeata</i> (Berk.) Stey. in sterile distilled water. <i>MethodsX</i> , 2014, 1, 19-22.	1.6	6
21	Scale-up from shake flasks to pilot-scale production of the plant growth-promoting bacterium <i>Azospirillum brasilense</i> for preparing a liquid inoculant formulation. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9665-9674.	3.6	40
22	Scale-up from shake flasks to bioreactor, based on power input and <i>Streptomyces lividans</i> morphology, for the production of recombinant APA (45/47 kDa protein) from <i>Mycobacterium tuberculosis</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1421-1429.	3.6	19
23	Isolation, amino acid sequence and biological characterization of an $\alpha$ -aspartic-49-phospholipase A2 from <i>Bothrops (Rhinoceros) ammodyroides</i> venom. <i>Toxicon</i> , 2012, 60, 1314-1323.	1.6	11
24	The O-mannosylation and production of recombinant APA (45/47 kDa) protein from <i>Mycobacterium tuberculosis</i> in <i>Streptomyces lividans</i> is affected by culture conditions in shake flasks. <i>Microbial Cell Factories</i> , 2011, 10, 110.	4.0	18
25	Production of recombinant proteins in <i>E. coli</i> by the heat inducible expression system based on the phage lambda pL and/or pR promoters. <i>Microbial Cell Factories</i> , 2010, 9, 18.	4.0	130
26	Mycelial Submerged Culture of New Medicinal Mushroom, <i>Humphreya coffeata</i> (Berk.) Stey. (Aphyllorphomycetidae) for the Production of Valuable Bioactive Metabolites with Cytotoxicity, Genotoxicity, and Antioxidant Activity. <i>International Journal of Medicinal Mushrooms</i> , 2009, 11, 335-350.	1.5	4
27	Sequence analysis and phylogenetic relationship of genes encoding heterodimeric phospholipases A2 from the venom of the scorpion <i>Anuroctonus phaiodactylus</i> . <i>Gene</i> , 2007, 396, 149-158.	2.2	23
28	Co-Expression of the Mosquitocidal Toxins Cyt1Aa and Cry11Aa from <i>Bacillus thuringiensis</i> Subsp. <i>israelensis</i> in <i>Asticcacaulis excentricus</i> . <i>Current Microbiology</i> , 2007, 54, 58-62.	2.2	5
29	Anuroctoxin, a New Scorpion Toxin of the $\hat{\pm}$ -KTx 6 Subfamily, Is Highly Selective for Kv1.3 over IKCa1 Ion Channels of Human T Lymphocytes. <i>Molecular Pharmacology</i> , 2005, 67, 1034-1044.	2.3	58
30	Phaiodactylipin, a glycosylated heterodimeric phospholipase A2 from the venom of the scorpion <i>Anuroctonus phaiodactylus</i> . <i>FEBS Journal</i> , 2004, 271, 1453-1464.	0.2	59
31	Phaiodotoxin, a novel structural class of insect-toxin isolated from the venom of the Mexican scorpion <i>Anuroctonus phaiodactylus</i> . <i>FEBS Journal</i> , 2004, 271, 4753-4761.	0.2	27
32	Biochemical, genetic and physiological characterization of venom components from two species of scorpions: <i>Centruroides exilicauda</i> Wood and <i>Centruroides sculpturatus</i> Ewing. <i>Biochimie</i> , 2004, 86, 387-396.	2.6	35
33	A large number of novel Ergtoxin-like genes and ERG K <sup>+</sup> -channels blocking peptides from scorpions of the genus <i>Centruroides</i> . <i>FEBS Letters</i> , 2002, 532, 121-126.	2.8	54
34	Genes and peptides from the scorpion <i>Centruroides sculpturatus</i> Ewing, that recognize Na <sup>+</sup> -channels. <i>Toxicon</i> , 2001, 39, 1893-1898.	1.6	37