

# Edgar Salgado

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

319  
citations

840776

11  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of therapeutic proteins in the chloroplast of <i>Chlamydomonas reinhardtii</i> . <i>AMB Express</i> , 2014, 4, 57.	3.0	60
2	Efficient Editing of the Nuclear APT Reporter Gene in <i>Chlamydomonas reinhardtii</i> via Expression of a CRISPR-Cas9 Module. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1247.	4.1	45
3	Trehalose accumulation in <i>Saccharomyces cerevisiae</i> cells: experimental data and structured modeling. <i>Biochemical Engineering Journal</i> , 2004, 17, 129-140.	3.6	29
4	Effects of fluid dynamics on enhanced biohydrogen production in a pilot stirred tank reactor: CFD simulation and experimental studies. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14630-14640.	7.1	26
5	A stoichiometric analysis of biological xylitol production. <i>Biochemical Engineering Journal</i> , 2010, 50, 1-9.	3.6	20
6	Metabolic pathway and flux analysis of H <sub>2</sub> production by an anaerobic mixed culture. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 4069-4082.	7.1	18
7	A two-reservoir, hollow-fiber bioreactor for the study of mixed-population dynamics: Design aspects and validation of the approach. <i>Biotechnology and Bioengineering</i> , 2000, 69, 401-408.	3.3	17
8	Multifractality in intracellular enzymatic reactions. <i>Journal of Theoretical Biology</i> , 2006, 240, 209-217.	1.7	17
9	Biohydrogen Production Based on the Evaluation of Kinetic Parameters of a Mixed Microbial Culture Using Glucose and Fruit "Vegetable Waste as Feedstocks. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 279-293.	2.9	17
10	Controlled Continuous Bio-Hydrogen Production Using Different Biogas Release Strategies. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1737-1751.	2.9	17
11	In Vitro Production of Plant Peroxidases "A Review. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 1644-1660.	2.9	16
12	A New Tool for the Quantification of Microorganism Interaction Dynamics. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 5222-5227.	3.7	7
13	A simple metabolic flux balance analysis of biomass and bioethanol production in <i>Saccharomyces cerevisiae</i> fed-batch cultures. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 13-22.	2.6	7
14	Treatment of wastewater containing high concentrations of terephthalic acid by <i>Clostridium acetobutylicum</i> sp. and <i>Rhodococcus ruber</i> sp.: kinetic and stoichiometric characterization. <i>Water and Environment Journal</i> , 2014, 28, 393-400.	2.2	5
15	Performance intensification of a stirred bioreactor for fermentative biohydrogen production. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 64-74.	1.9	5
16	Hydrogen production by a mixed photoheterotrophic culture: Correlation between gene expression analysis and physiological behavior. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 641-651.	7.1	5
17	Enhanced carotenoid production by <i>Rhodospirillum rubrum</i> ATCC 17001 under low light conditions. <i>Journal of Biotechnology</i> , 2020, 323, 159-165.	3.8	4
18	Metabolic flux distribution and thermodynamic analysis of green fluorescent protein production in recombinant <i>Escherichia coli</i> : The effect of carbon source and CO <sub>2</sub> partial pressure. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 1049-1061.	2.6	3

#	ARTICLE	IF	CITATIONS
19	An agent-based solution of Lagrange equations for adsorption processes. Computers and Chemical Engineering, 2007, 31, 1663-1670.	3.8	1