

# Eduardo J Gudiña

## List of Publications by Year in descending order

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46  
papers

3,162  
citations

212478

28  
h-index

263392

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacillus licheniformis: The unexplored alternative for the anaerobic production of lipopeptide biosurfactants?. <i>Biotechnology Advances</i> , 2022, 60, 108013.	6.0	21
2	Sustainable Lipase Production by <i>Diutina rugosa</i> NRRL Y-95 Through a Combined Use of Agro-Industrial Residues as Feedstock. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 589-605.	1.4	14
3	Esterase production by <i>Aureobasidium pullulans</i> URM 7059 in stirred tank and airlift bioreactors using residual biodiesel glycerol as substrate. <i>Biochemical Engineering Journal</i> , 2021, 168, 107954.	1.8	5
4	Rhamnolipids inhibit aflatoxins production in <i>Aspergillus flavus</i> by causing structural damages in the fungal hyphae and down-regulating the expression of their biosynthetic genes. <i>International Journal of Food Microbiology</i> , 2021, 348, 109207.	2.1	8
5	Sustainable Surfactin Production by <i>Bacillus subtilis</i> Using Crude Glycerol from Different Wastes. <i>Molecules</i> , 2021, 26, 3488.	1.7	35
6	Corksorb Enhances Alkane Degradation by Hydrocarbonoclastic Bacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 618270.	1.5	1
7	Characterization of levan produced by a <i>Paenibacillus</i> sp. isolated from Brazilian crude oil. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 788-799.	3.6	16
8	Improved method for the extraction of high-quality DNA from lignocellulosic compost samples for metagenomic studies. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 8881-8893.	1.7	9
9	<i>Zymomonas mobilis</i> as an emerging biotechnological chassis for the production of industrially relevant compounds. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	10
10	Synergistic effect of hen egg white lysozyme and lysosomotropic surfactants on cell viability and membrane permeability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110598.	2.5	8
11	Multivariate analysis as a tool for selecting the vine pruning pretreatment towards the highest enzymatic hydrolysis yield. <i>Biomass and Bioenergy</i> , 2020, 140, 105653.	2.9	5
12	Biotech Green Approaches to Unravel the Potential of Residues into Valuable Products. <i>Nanotechnology in the Life Sciences</i> , 2020, , 97-150.	0.4	3
13	Metal-Biosurfactant Complexes Characterization: Binding, Self-Assembly and Interaction with Bovine Serum Albumin. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2864.	1.8	18
14	Microbial Surfactants: Alternative to Vegetable Oil Surfactants. <i>Methods in Molecular Biology</i> , 2019, 1995, 383-393.	0.4	2
15	The biopolymer produced by <i>Rhizobium viscosum</i> CECT 908 is a promising agent for application in microbial enhanced oil recovery. <i>New Biotechnology</i> , 2019, 49, 144-150.	2.4	32
16	Biomolecular interactions of lysosomotropic surfactants with cytochrome c and its effect on the protein conformation: A biophysical approach. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1177-1185.	3.6	12
17	Improvement of biosurfactant production by <i>Wickerhamomyces anomalus</i> CCMA 0358 and its potential application in bioremediation. <i>Journal of Hazardous Materials</i> , 2018, 346, 152-158.	6.5	53
18	Vineyard pruning waste as an alternative carbon source to produce novel biosurfactants by <i>Lactobacillus paracasei</i> . <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 55, 40-49.	2.9	53

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19	New glycolipid biosurfactants produced by the yeast strain <i>Wickerhamomyces anomalus</i> CCMA 0358. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 154, 373-382.	2.5	56
20	Sodium chloride effect on the aggregation behaviour of rhamnolipids and their antifungal activity. <i>Scientific Reports</i> , 2017, 7, 12907.	1.6	44
21	Physicochemical study of biomolecular interactions between lysosomotropic surfactants and bovine serum albumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 750-758.	2.5	40
22	The yeast-like fungus <i>Aureobasidium thailandense</i> LB01 produces a new biosurfactant using olive oil mill wastewater as an inducer. <i>Microbiological Research</i> , 2017, 204, 40-47.	2.5	42
23	HC-OC-03: Biological Treatments to Improve the Quality of Heavy Crude Oils. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2017, , 337-351.	0.7	4
24	Biosurfactants Produced by Marine Microorganisms with Therapeutic Applications. <i>Marine Drugs</i> , 2016, 14, 38.	2.2	129
25	Structure and mode of action of cyclic lipopeptide pseudofactin II with divalent metal ions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 498-506.	2.5	32
26	Valorization of agro-industrial wastes towards the production of rhamnolipids. <i>Bioresource Technology</i> , 2016, 212, 144-150.	4.8	127
27	Microbiology of Petroleum Reservoirs. , 2016, , 461-482.		0
28	Biosurfactant production by <i>Bacillus subtilis</i> using corn steep liquor as culture medium. <i>Frontiers in Microbiology</i> , 2015, 6, 59.	1.5	141
29	Novel bioemulsifier produced by a <i>Paenibacillus</i> strain isolated from crude oil. <i>Microbial Cell Factories</i> , 2015, 14, 14.	1.9	57
30	Antimicrobial and anti-adhesive activities of cell-bound biosurfactant from <i>Lactobacillus agilis</i> CCUG31450. <i>RSC Advances</i> , 2015, 5, 90960-90968.	1.7	101
31	Bioconversion of agro-industrial by-products in rhamnolipids toward applications in enhanced oil recovery and bioremediation. <i>Bioresource Technology</i> , 2015, 177, 87-93.	4.8	165
32	Effects of biosurfactants on the viability and proliferation of human breast cancer cells. <i>AMB Express</i> , 2014, 4, 40.	1.4	89
33	Biosurfactant-producing and oil-degrading <i>Bacillus subtilis</i> strains enhance oil recovery in laboratory sand-pack columns. <i>Journal of Hazardous Materials</i> , 2013, 261, 106-113.	6.5	125
34	Potential therapeutic applications of biosurfactants. <i>Trends in Pharmacological Sciences</i> , 2013, 34, 667-675.	4.0	293
35	Optimization and characterization of biosurfactant production by <i>Bacillus subtilis</i> isolates towards microbial enhanced oil recovery applications. <i>Fuel</i> , 2013, 111, 259-268.	3.4	287
36	Partial Characterization of Biosurfactant from <i>Lactobacillus pentosus</i> and Comparison with Sodium Dodecyl Sulphate for the Bioremediation of Hydrocarbon Contaminated Soil. <i>BioMed Research International</i> , 2013, 2013, 1-6.	0.9	52

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37	Characterization by Electrospray Ionization and Tandem Mass Spectrometry of Rhamnolipids Produced by Two <i>Pseudomonas Aeruginosa</i> Strains Isolated from Brazilian Crude Oil. <i>European Journal of Mass Spectrometry</i> , 2012, 18, 399-406.	0.5	22
38	Isolation and study of microorganisms from oil samples for application in Microbial Enhanced Oil Recovery. <i>International Biodeterioration and Biodegradation</i> , 2012, 68, 56-64.	1.9	164
39	Performance of a biosurfactant produced by a <i>Bacillus subtilis</i> strain isolated from crude oil samples as compared to commercial chemical surfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 167-174.	2.5	137
40	Biosurfactant-Producing Lactobacilli: Screening, Production Profiles, and Effect of Medium Composition. <i>Applied and Environmental Soil Science</i> , 2011, 2011, 1-9.	0.8	74
41	Poly(dimethyl siloxane) surface modification with biosurfactants isolated from probiotic strains. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 535-543.	2.1	18
42	Isolation and functional characterization of a biosurfactant produced by <i>Lactobacillus paracasei</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 298-304.	2.5	223
43	Antimicrobial and antiadhesive properties of a biosurfactant isolated from <i>Lactobacillus paracasei</i> ssp. <i>paracasei</i> A20. <i>Letters in Applied Microbiology</i> , 2010, 50, 419-424.	1.0	203
44	Conversion of $\beta$ -carotene into astaxanthin: Two separate enzymes or a bifunctional hydroxylase-ketolase protein?. <i>Microbial Cell Factories</i> , 2008, 7, 3.	1.9	82
45	The crtS gene of <i>Xanthophyllomyces dendrorhous</i> encodes a novel cytochrome-P450 hydroxylase involved in the conversion of $\beta$ -carotene into astaxanthin and other xanthophylls. <i>Fungal Genetics and Biology</i> , 2006, 43, 261-272.	0.9	92
46	<i>Agrobacterium tumefaciens</i> -mediated transformation of the antitumor clavarinic acid-producing basidiomycete <i>Hypholoma sublateritium</i> . <i>Current Genetics</i> , 2004, 46, 287-294.	0.8	41