# Eduardo J GudiÃ±a

List of Publications by Year
in descending order



| 46 | 3,162 | 186265 | 233421 |
|---|---|---|---|
| papers | citations | 28 h-index | 45 g-index |

| 49 | 49 | 49 | 2912 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bacillus licheniformis: The unexplored alternative for the anaerobic production of lipopeptide biosurfactants?. Biotechnology Advances, 2022, 60, 108013. | 11.7 | 21 |
| 2 | Sustainable Lipase Production by Diutina rugosa NRRL Y-95 Through a Combined Use of Agro-Industrial Residues as Feedstock. Applied Biochemistry and Biotechnology, 2021, 193, 589-605. | 2.9 | 14 |
| 3 | Esterase production by Aureobasidium pullulans URM 7059 in stirred tank and airlift bioreactors using residual biodiesel glycerol as substrate. Biochemical Engineering Journal, 2021, 168, 107954. | 3.6 | 5 |
| 4 | Rhamnolipids inhibit aflatoxins production in Aspergillus flavus by causing structural damages in the fungal hyphae and down-regulating the expression of their biosynthetic genes. International Journal of Food Microbiology, 2021, 348, 109207. | 4.7 | 8 |
| 5 | Sustainable Surfactin Production by Bacillus subtilis Using Crude Glycerol from Different Wastes. Molecules, 2021, 26, 3488. | 3.8 | 35 |
| 6 | Corksorb Enhances Alkane Degradation by Hydrocarbonoclastic Bacteria. Frontiers in Microbiology, 2021, 12, 618270. | 3.5 | 1 |
| 7 | Characterization of levan produced by a Paenibacillus sp. isolated from Brazilian crude oil. International Journal of Biological Macromolecules, 2021, 186, 788-799. | 7.5 | 16 |
| 8 | Improved method for the extraction of high-quality DNA from lignocellulosic compost samples for metagenomic studies. Applied Microbiology and Biotechnology, 2021, 105, 8881-8893. | 3.6 | 9 |
| 9 | Zymomonas mobilis as an emerging biotechnological chassis for the production of industrially relevant compounds. Bioresources and Bioprocessing, 2021, 8, . | 4.2 | 10 |
| 10 | Synergistic effect of hen egg white lysozyme and lysosomotropic surfactants on cell viability and membrane permeability. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110598. | 5.0 | 8 |
| 11 | Multivariate analysis as a tool for selecting the vine pruning pretreatment towards the highest enzymatic hydrolysis yield. Biomass and Bioenergy, 2020, 140, 105653. | 5.7 | 5 |
| 12 | Biotech Green Approaches to Unravel the Potential of Residues into Valuable Products. Nanotechnology in the Life Sciences, 2020, , 97-150. | 0.6 | 3 |
| 13 | Metal-Biosurfactant Complexes Characterization: Binding, Self-Assembly and Interaction with Bovine Serum Albumin. International Journal of Molecular Sciences, 2019, 20, 2864. | 4.1 | 18 |
| 14 | Microbial Surfactants: Alternative to Vegetable Oil Surfactants. Methods in Molecular Biology, 2019, 1995, 383-393. | 0.9 | 2 |
| 15 | The biopolymer produced by Rhizobium viscosum CECT 908 is a promising agent for application in microbial enhanced oil recovery. New Biotechnology, 2019, 49, 144-150. | 4.4 | 32 |
| 16 | Biomolecular interactions of lysosomotropic surfactants with cytochrome c and its effect on the protein conformation: A biophysical approach. International Journal of Biological Macromolecules, 2019, 126, 1177-1185. | 7.5 | 12 |
| 17 | Improvement of biosurfactant production by Wickerhamomyces anomalus CCMA 0358 and its potential application in bioremediation. Journal of Hazardous Materials, 2018, 346, 152-158. | 12.4 | 53 |
| 18 | Vineyard pruning waste as an alternative carbon source to produce novel biosurfactants by Lactobacillus paracasei. Journal of Industrial and Engineering Chemistry, 2017, 55, 40-49. | 5.8 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | New glycolipid biosurfactants produced by the yeast strain Wickerhamomyces anomalus CCMA 0358. Colloids and Surfaces B: Biointerfaces, 2017, 154, 373-382. | 5.0 | 56 |
| 20 | Sodium chloride effect on the aggregation behaviour of rhamnolipids and their antifungal activity. Scientific Reports, 2017, 7, 12907. | 3.3 | 44 |
| 21 | Physicochemical study of biomolecular interactions between lysosomotropic surfactants and bovine serum albumin. Colloids and Surfaces B: Biointerfaces, 2017, 159, 750-758. | 5.0 | 40 |
| 22 | The yeast-like fungus Aureobasidium thailandense LB01 produces a new biosurfactant using olive oil mill wastewater as an inducer. Microbiological Research, 2017, 204, 40-47. | 5.3 | 42 |
| 23 | HC-0C-03: Biological Treatments to Improve the Quality of Heavy Crude Oils. Environmental Footprints and Eco-design of Products and Processes, 2017, , 337-351. | 1.1 | 4 |
| 24 | Biosurfactants Produced by Marine Microorganisms with Therapeutic Applications. Marine Drugs, 2016, 14, 38. | 4.6 | 129 |
| 25 | Structure and mode of action of cyclic lipopeptide pseudofactin II with divalent metal ions. Colloids and Surfaces B: Biointerfaces, 2016, 146, 498-506. | 5.0 | 32 |
| 26 | Valorization of agro-industrial wastes towards the production of rhamnolipids. Bioresource Technology, 2016, 212, 144-150. | 9.6 | 127 |
| 27 | Microbiology of Petroleum Reservoirs. , 2016, , 461-482. | | 0 |
| 28 | Biosurfactant production by Bacillus subtilis using corn steep liquor as culture medium. Frontiers in Microbiology, 2015, 6, 59. | 3.5 | 141 |
| 29 | Novel bioemulsifier produced by a Paenibacillus strain isolated from crude oil. Microbial Cell Factories, 2015, 14, 14. | 4.0 | 57 |
| 30 | Antimicrobial and anti-adhesive activities of cell-bound biosurfactant from Lactobacillus agilis CCUG31450. RSC Advances, 2015, 5, 90960-90968. | 3.6 | 101 |
| 31 | Bioconversion of agro-industrial by-products in rhamnolipids toward applications in enhanced oil recovery and bioremediation. Bioresource Technology, 2015, 177, 87-93. | 9.6 | 165 |
| 32 | Effects of biosurfactants on the viability and proliferation of human breast cancer cells. AMB Express, 2014, 4, 40. | 3.0 | 89 |
| 33 | Biosurfactant-producing and oil-degrading Bacillus subtilis strains enhance oil recovery in laboratory sand-pack columns. Journal of Hazardous Materials, 2013, 261, 106-113. | 12.4 | 125 |
| 34 | Potential therapeutic applications of biosurfactants. Trends in Pharmacological Sciences, 2013, 34, 667-675. | 8.7 | 293 |
| 35 | Optimization and characterization of biosurfactant production by Bacillus subtilis isolates towards microbial enhanced oil recovery applications. Fuel, 2013, 111, 259-268. | 6.4 | 287 |
| 36 | Partial Characterization of Biosurfactant fromLactobacillus pentosusand Comparison with Sodium Dodecyl Sulphate for the Bioremediation of Hydrocarbon Contaminated Soil. BioMed Research International, 2013, 2013, 1-6. | 1.9 | 52 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Characterization by Electrospray Ionization and Tandem Mass Spectrometry of Rhamnolipids Produced by Two Pseudomonas Aeruginosa Strains Isolated from Brazilian Crude Oil. European Journal of Mass Spectrometry, 2012, 18, 399-406. | 1.0 | 22 |
| 38 | Isolation and study of microorganisms from oil samples for application in Microbial Enhanced Oil Recovery. International Biodeterioration and Biodegradation, 2012, 68, 56-64. | 3.9 | 164 |
| 39 | Performance of a biosurfactant produced by a Bacillus subtilis strain isolated from crude oil samples as compared to commercial chemical surfactants. Colloids and Surfaces B: Biointerfaces, 2012, 89, 167-174. | 5.0 | 137 |
| 40 | Biosurfactant-Producing Lactobacilli: Screening, Production Profiles, and Effect of Medium Composition. Applied and Environmental Soil Science, 2011, 2011, 1-9. | 1.7 | 74 |
| 41 | Poly(dimethyl siloxane) surface modification with biosurfactants isolated from probiotic strains. Journal of Biomedical Materials Research - Part A, 2011, 98A, 535-543. | 4.0 | 18 |
| 42 | Isolation and functional characterization of a biosurfactant produced by Lactobacillus paracasei. Colloids and Surfaces B: Biointerfaces, 2010, 76, 298-304. | 5.0 | 223 |
| 43 | Antimicrobial and antiadhesive properties of a biosurfactant isolated fromLactobacillus paracaseissp.paracaseiA20. Letters in Applied Microbiology, 2010, 50, 419-424. | 2.2 | 203 |
| 44 | Conversion of Î²-carotene into astaxanthin: Two separate enzymes or a bifunctional hydroxylase-ketolase protein?. Microbial Cell Factories, 2008, 7, 3. | 4.0 | 82 |
| 45 | The crtS gene of Xanthophyllomyces dendrorhous encodes a novel cytochrome-P450 hydroxylase involved in the conversion of Î²-carotene into astaxanthin and other xanthophylls. Fungal Genetics and Biology, 2006, 43, 261-272. | 2.1 | 92 |
| 46 | Agrobacterium tumefaciens-mediated transformation of the antitumor clavaric acid-producing basidiomycete Hypholoma sublateritium. Current Genetics, 2004, 46, 287-294. | 1.7 | 41 |