

# Luis Rosa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/323477/publications.pdf>

Version: 2024-02-01

19  
papers

504  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrifying White Biotechnology: Engineering and Economic Potential of Electricity-Driven Bio-Production. <i>ChemSusChem</i> , 2015, 8, 758-766.	6.8	81
2	Electrochemical CO <sub>2</sub> reduction to formate at indium electrodes with high efficiency and selectivity in pH neutral electrolytes. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 546-556.	20.2	76
3	A framework for modeling electroactive microbial biofilms performing direct electron transfer. <i>Bioelectrochemistry</i> , 2015, 106, 194-206.	4.6	68
4	Resting <i>Escherichia coli</i> as Chassis for Microbial Electrosynthesis: Production of Chiral Alcohols. <i>ChemSusChem</i> , 2019, 12, 1631-1634.	6.8	44
5	Paving the way for bioelectrotechnology: Integrating electrochemistry into bioreactors. <i>Engineering in Life Sciences</i> , 2017, 17, 77-85.	3.6	32
6	A Microbial Biosensor Platform for Inline Quantification of Acetate in Anaerobic Digestion: Potential and Challenges. <i>Chemical Engineering and Technology</i> , 2016, 39, 637-642.	1.5	31
7	Piezoelectric biosensors for biorecognition analysis: Application to the kinetic study of HIV-1 Vif protein binding to recombinant antibodies. <i>Journal of Biotechnology</i> , 2007, 132, 142-148.	3.8	25
8	Recombinant single-chain variable fragment and single domain antibody piezoimmunosensors for detection of HIV1 virion infectivity factor. <i>Biosensors and Bioelectronics</i> , 2007, 23, 384-392.	10.1	18
9	Integrating Electrochemistry Into Bioreactors: Effect of the Upgrade Kit on Mass Transfer, Mixing Time and Sterilizability. <i>Frontiers in Energy Research</i> , 2019, 7, .	2.3	18
10	Reactors for Microbial Electrobiotechnology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 167, 231-271.	1.1	15
11	Electrochemical characterization of bed electrodes using voltammetry of single granules. <i>Electrochemistry Communications</i> , 2018, 90, 78-82.	4.7	14
12	Crystal Structure of Dihydro-Heme d1 Dehydrogenase NirN from <i>Pseudomonas aeruginosa</i> Reveals Amino Acid Residues Essential for Catalysis. <i>Journal of Molecular Biology</i> , 2019, 431, 3246-3260.	4.2	14
13	Insufficient oxygen diffusion leads to distortions of microbial growth parameters assessed by isothermal microcalorimetry. <i>RSC Advances</i> , 2014, 4, 32730-32737.	3.6	13
14	How Comparable are Microbial Electrochemical Systems around the Globe? An Electrochemical and Microbiological Cross-Laboratory Study. <i>ChemSusChem</i> , 2021, 14, 2313-2330.	6.8	13
15	Acoustic detection of cell adhesion on a quartz crystal microbalance. <i>Biotechnology and Applied Biochemistry</i> , 2012, 59, 411-419.	3.1	10
16	Engineering electrochemical CO <sub>2</sub> reduction to formate under bioprocess-compatible conditions to bioreactor scale. <i>ChemElectroChem</i> , 2019, 6, 3731-3735.	3.4	10
17	Electron harvest and treatment of amendment free municipal wastewater using microbial anodes: A case study. <i>Journal of Power Sources</i> , 2017, 356, 319-323.	7.8	6
18	Response-Surface-Optimized and Scaled-Up Microbial Electrosynthesis of Chiral Alcohols. <i>ChemSusChem</i> , 2020, 13, 1808-1816.	6.8	6

#	ARTICLE	IF	CITATIONS
19	Monitoring stratification of anode biofilms in bioelectrochemical laminar flow reactors using flow cytometry. Environmental Science and Ecotechnology, 2020, 4, 100062.	13.5	5