Juan Pablo Busalmen

List of Publications by Year
in descending order

42	1,645	331670 21	289244 40
papers	citations	h-index	g-index

44	44	44	1581
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unraveling Anaerobic Metabolisms in a Hypersaline Sediment. Frontiers in Microbiology, 2022, 13, 811432.	3.5	4
2	Thermodynamic approach to simulate current densities of energy-harvesting microbial electrochemical systems fed with human urine. Bioresource Technology Reports, 2022, 18, 101058.	2.7	1
3	Energetics, electron uptake mechanisms and limitations of electroautotrophs growing on biocathodes â€“ A review. Bioresource Technology, 2021, 342, 125893.	9.6	12
4	Electrochemistry of R. palustris Azul during phototrophic growth. Electrochimica Acta, 2020, 355, 136757.	5.2	6
5	Transmission Electron Microscopy As A Relevant Tool In The Characterization Of Hybrid Nanostructures Of Au Bio-Mineralization By Electroactive Bacteria. Microscopy and Microanalysis, 2020, 26, 189-190.	0.4	0
6	Respiratory Au nucleation and microelectrode techniques reveal key features of bacterial conductive matrix. Environmental Science: Nano, 2020, 7, 3189-3200.	4.3	2
7	Biofilms of Halobacterium salinarum as a tool for phenanthrene bioremediation. Biofouling, 2020, 36, 564-575.	2.2	3
8	Open circuit potentiometry reports on internal redox states of cells in G.ÂSulfurreducens biofilms. Electrochimica Acta, 2019, 303, 176-182.	5.2	10
9	Layer-to-layer distance determines the performance of 3D bio-electrochemical lamellar anodes in microbial energy transduction processes. Journal of Materials Chemistry A, 2018, 6, 10019-10027.	10.3	13
10	Proving Geobacter biofilm connectivity with confocal Raman microscopy. Journal of Electroanalytical Chemistry, 2017, 793, 99-103.	3.8	21
11	Non-Carbonaceous Electrodes for Microbial Electrochemical Systems. , 2017, , 475-522.		1
12	The relay network of Geobacter biofilms. Energy and Environmental Science, 2016, 9, 2677-2681.	30.8	22
13	Biochemical Capacitance of Geobacter Sulfurreducens Biofilms. ChemSusChem, 2015, 8, 2492-2495.	6.8	6
14	New ceramic electrodes allow reaching the target current density in bioelectrochemical systems. Energy and Environmental Science, 2015, 8, 2707-2712.	30.8	43
15	Physiological Stratification in Electricityâ€Producing Biofilms of Geobacter sulfurreducens. ChemSusChem, 2014, 7, 598-603.	6.8	36
16	Hyperhalophilic archaeal biofilms: growth kinetics, structure, and antagonistic interaction in continuous culture. Biofouling, 2014, 30, 237-245.	2.2	8
17	Crystallographic orientation and electrode nature are key factors for electric current generation by Geobacter sulfurreducens. Bioelectrochemistry, 2014, 98, 11-19.	4.6	14
18	Spectroscopic Slicing to Reveal Internal Redox Gradients in Electricityâ€Producing Biofilms. Angewandte Chemie - International Edition, 2013, 52, 925-928.	13.8	75

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19	Limitations for Current Production in Geobacter sulfurreducens Biofilms. ChemSusChem, 2013, 6, 711-720.	6.8	69
20	Stepping stones in the electron transport from cells to electrodes in Geobacter sulfurreducens biofilms. Physical Chemistry Chemical Physics, 2013, 15, 10300.	2.8	58
21	A long way to the electrode: how do Geobacter cells transport their electrons?. Biochemical Society Transactions, 2012, 40, 1274-1279.	3.4	33
22	Charge accumulation and electron transfer kinetics in Geobacter sulfurreducens biofilms. Energy and Environmental Science, 2012, 5, 6188.	30.8	105
23	Evaluation of potato-processing wastewater treatment in a microbial fuel cell. Bioresource Technology, 2012, 105, 81-87.	9.6	63
24	Opportunities behind the unusual ability of geobacter sulfurreducens for exocellular respiration and electricity production. Energy and Environmental Science, 2011, 4, 2066.	30.8	28
25	Electrochemical insight into the mechanism of electron transport in biofilms of Geobacter sulfurreducens. Electrochimica Acta, 2011, 56, 10791-10795.	5.2	109
26	ATR-SEIRAs characterization of surface redox processes in G. sulfurreducens. Bioelectrochemistry, 2010, 78, 25-29.	4.6	61
27	Metabolic turnover and catalase activity of biofilms of Pseudomonas fluorescens (ATCC 17552) as related to copper corrosion. Water Research, 2010, 44, 2592-2600.	11.3	11
28	Câ€Type Cytochromes Wire Electricityâ€Producing Bacteria to Electrodes. Angewandte Chemie - International Edition, 2008, 47, 4874-4877.	13.8	209
29	Whole Cell Electrochemistry of Electricity-Producing Microorganisms Evidence an Adaptation for Optimal Exocellular Electron Transport. Environmental Science & Technology, 2008, 42, 2445-2450.	10.0	155
30	Spectroelectrochemical Examination of the Interaction between Bacterial Cells and Gold Electrodes. Langmuir, 2007, 23, 6459-6466.	3.5	38
31	Stainless Steels Can Be Cathodically Protected Using Energy Stored at the Marine Sediment/Seawater Interface. Environmental Science & Technology, 2006, 40, 6473-6478.	10.0	24
32	Electrochemical Polarization-Induced Changes in the Growth of Individual Cells and Biofilms of Pseudomonas fluorescens (ATCC 17552). Applied and Environmental Microbiology, 2005, 71, 6235-6240.	3.1	62
33	Importance of Surface Chemistry in Bacterial Adhesion to Metals and Biocorrosion. Corrosion Reviews, 2004, 22, 277-306.	2.0	9
34	Changes in the electrochemical interface as a result of the growth ofPseudomonas fluorescensbiofilms on gold. Biotechnology and Bioengineering, 2003, 82, 619-624.	3.3	10
35	Influence of surface oxides on the adhesion of a wild strain of Pseudomonas sp. to aluminium brass. International Biodeterioration and Biodegradation, 2003, 52, 13-19.	3.9	11
36	The influence of the surface condition on the adhesion of Pseudomonas fluorescens (ATCC 17552) to copper and aluminium brass. International Biodeterioration and Biodegradation, 2002, 50, 61-66.	3.9	34

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37	New evidences on the catalase mechanism of microbial corrosion. Electrochimica Acta, 2002, 47, 1857-1865.	5.2	108
38	Adhesion of Pseudomonas fluorescens(ATCC 17552) to Nonpolarized and Polarized Thin Films of Gold. Applied and Environmental Microbiology, 2001, 67, 3188-3194.	3.1	55
39	Hydrocarbon bioremediation of a mineral-base contaminated waste from crude oil extraction by indigenous bacteria. International Biodeterioration and Biodegradation, 2001, 47, 233-238.	3.9	48
40	Influence of pH and ionic strength on adhesion of a wild strain of Pseudomonas sp. to titanium. Journal of Industrial Microbiology and Biotechnology, 2001, 26, 303-308.	3.0	31
41	Post-Mortem Changes in Adenosine Triphosphate and Related Compounds in Mantle of Squid(Illex) Tj ETQq1 1 0.784314 rgBT /Overlock 1997, 6, 43-56.	1.4	12
42	Changes in lipids and biochemical properties of actomyosin from pre- and post-spawned hake (Merluccius hubbsi Marini). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1995, 112, 743-748.	1.6	11