

Antonin PrÃ©votEAU

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,790
citations

331670

21
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1973
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering electrodes for microbial electrocatalysis. <i>Current Opinion in Biotechnology</i> , 2015, 33, 149-156.	6.6	248
2	Microbial electrosynthesis from CO ₂ : forever a promise?. <i>Current Opinion in Biotechnology</i> , 2020, 62, 48-57.	6.6	232
3	Integrated Production, Extraction, and Concentration of Acetic Acid from CO ₂ through Microbial Electrosynthesis. <i>Environmental Science and Technology Letters</i> , 2015, 2, 325-328.	8.7	161
4	Flame Oxidation of Stainless Steel Felt Enhances Anodic Biofilm Formation and Current Output in Bioelectrochemical Systems. <i>Environmental Science & Technology</i> , 2014, 48, 7151-7156.	10.0	131
5	A novel tubular microbial electrolysis cell for high rate hydrogen production. <i>Journal of Power Sources</i> , 2017, 356, 484-490.	7.8	107
6	The electron donating capacity of biochar is dramatically underestimated. <i>Scientific Reports</i> , 2016, 6, 32870.	3.3	106
7	Electroactive Biofilms for Sensing: Reflections and Perspectives. <i>ACS Sensors</i> , 2017, 2, 1072-1085.	7.8	79
8	Oxygen reduction on redox mediators may affect glucose biosensors based on "wired" enzymes. <i>Electrochimica Acta</i> , 2012, 68, 128-133.	5.2	66
9	Membrane electrolysis for the removal of Mg ²⁺ and Ca ²⁺ from lithium rich brines. <i>Water Research</i> , 2019, 154, 117-124.	11.3	63
10	Deglycosylation of glucose oxidase to improve biosensors and biofuel cells. <i>Electrochemistry Communications</i> , 2010, 12, 213-215.	4.7	53
11	Oxygen-reducing microbial cathodes monitoring toxic shocks in tap water. <i>Biosensors and Bioelectronics</i> , 2019, 132, 115-121.	10.1	53
12	Electrochemical sulfide removal and caustic recovery from spent caustic streams. <i>Water Research</i> , 2016, 92, 38-43.	11.3	51
13	Periodic polarization of electroactive biofilms increases current density and charge carriers concentration while modifying biofilm structure. <i>Biosensors and Bioelectronics</i> , 2018, 121, 183-191.	10.1	49
14	Surfactant treatment of carbon felt enhances anodic microbial electrocatalysis in bioelectrochemical systems. <i>Electrochemistry Communications</i> , 2014, 39, 1-4.	4.7	46
15	Electrochemical oxidation of iron and alkalinity generation for efficient sulfide control in sewers. <i>Water Research</i> , 2017, 118, 114-120.	11.3	45
16	Rapid and Quantitative Assessment of Redox Conduction Across Electroactive Biofilms by using Double Potential Step Chronoamperometry. <i>ChemElectroChem</i> , 2017, 4, 1026-1036.	3.4	41
17	How the reduction of O ₂ on enzymes and/or redox mediators affects the calibration curve of "wired" glucose oxidase and glucose dehydrogenase biosensors. <i>Electrochimica Acta</i> , 2013, 112, 318-326.	5.2	30
18	Hydrodynamic chronoamperometry for probing kinetics of anaerobic microbial metabolism " case study of <i>Faecalibacterium prausnitzii</i> . <i>Scientific Reports</i> , 2015, 5, 11484.	3.3	29

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19	Effect of Degree of Glycosylation on Charge of Glucose Oxidase and Redox Hydrogel Catalytic Efficiency. <i>ChemPhysChem</i> , 2010, 11, 2795-2797.	2.1	28
20	Anode materials for sulfide oxidation in alkaline wastewater: An activity and stability performance comparison. <i>Water Research</i> , 2019, 149, 111-119.	11.3	27
21	Lithium carbonate recovery from brines using membrane electrolysis. <i>Journal of Membrane Science</i> , 2020, 615, 118416.	8.2	25
22	A chip-based 128-channel potentiostat for high-throughput studies of bioelectrochemical systems: Optimal electrode potentials for anodic biofilms. <i>Biosensors and Bioelectronics</i> , 2021, 174, 112813.	10.1	23
23	Impact of Periodic Polarization on Groundwater Denitrification in Bioelectrochemical Systems. <i>Environmental Science & Technology</i> , 2021, 55, 15371-15379.	10.0	17
24	Growth and current production of mixed culture anodic biofilms remain unaffected by sub-microscale surface roughness. <i>Bioelectrochemistry</i> , 2018, 122, 213-220.	4.6	14
25	Reversible Effects of Periodic Polarization on Anodic Electroactive Biofilms. <i>ChemElectroChem</i> , 2019, 6, 1921-1925.	3.4	13
26	Effect of onion-type multilamellar liposomes on <i>Trametes versicolor</i> laccase activity and stability. <i>Biochimie</i> , 2012, 94, 59-65.	2.6	12
27	A Current-Driven Six-Channel Potentiostat for Rapid Performance Characterization of Microbial Electrolysis Cells. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 4694-4702.	4.7	9
28	Stainless steel substrate pretreatment effects on copper nucleation and stripping during copper electrowinning. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 219-233.	2.9	9
29	Electrochemical codeposition of arsenic from acidic copper sulfate baths: The implications for sustainable copper electrometallurgy. <i>Minerals Engineering</i> , 2022, 176, 107312.	4.3	9
30	Hydrogen peroxide in bioelectrochemical systems negatively affects microbial current generation. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1463-1478.	2.9	5
31	Disinfection of constructed wetland effluent by <i>in situ</i> electrochemical chlorine production for water reuse. <i>Environmental Science: Water Research and Technology</i> , 2021, 8, 98-107.	2.4	4
32	Electrochemical and phylogenetic comparisons of oxygen-reducing electroautotrophic communities. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112700.	10.1	2