

Korneel Rabaey

List of Publications by Year in descending order

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Version: 2024-02-01

245
papers

34,889
citations

5430

85
h-index

4035

182
g-index

253
all docs

253
docs citations

253
times ranked

17425
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia recovery from brines originating from a municipal wastewater ion exchange process and valorization of recovered nitrogen into microbial protein. <i>Chemical Engineering Journal</i> , 2022, 427, 130896.	6.6	24
2	Electrochemical codeposition of arsenic from acidic copper sulfate baths: The implications for sustainable copper electrometallurgy. <i>Minerals Engineering</i> , 2022, 176, 107312.	1.8	9
3	Production of microbial protein from fermented grass. <i>Chemical Engineering Journal</i> , 2022, 433, 133631.	6.6	13
4	Valorization of the organic fraction of municipal solid waste for fumaric acid production and electrochemical membrane extraction using <i>Candida blankii</i> . <i>Bioresource Technology Reports</i> , 2022, 17, 100900.	1.5	0
5	A review on ion-exchange nanofiber membranes: properties, structure and application in electrochemical (waste)water treatment. <i>Separation and Purification Technology</i> , 2022, 287, 120529.	3.9	39
6	Methylotrophs: from C1 compounds to food. <i>Current Opinion in Biotechnology</i> , 2022, 75, 102685.	3.3	10
7	In silico assessment of household level closed water cycles: Towards extreme decentralization. <i>Environmental Science and Ecotechnology</i> , 2022, 10, 100148.	6.7	4
8	Review "Electrochemical Separation of Organic and Inorganic Contaminants in Wastewater. <i>Journal of the Electrochemical Society</i> , 2022, 169, 033505.	1.3	7
9	Producing microbial-based protein from reactive nitrogen recovered from wastewater. , 2022, , 223-244.		0
10	Resource recovery from municipal wastewater: what and how much is there?. , 2022, , 1-19.		0
11	The third route: A techno-economic evaluation of extreme water and wastewater decentralization. <i>Water Research</i> , 2022, 218, 118408.	5.3	21
12	High rate production of concentrated sulfides from metal bearing wastewater in an expanded bed hydrogenotrophic sulfate reducing bioreactor. <i>Environmental Science and Ecotechnology</i> , 2022, 11, 100173.	6.7	4
13	Pre-incubation conditions determine the fermentation pattern and microbial community structure in fermenters at mild hydrostatic pressure. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1792-1807.	1.7	2
14	Electrified bioreactors: the next power-up for biometallurgical wastewater treatment. <i>Microbial Biotechnology</i> , 2022, 15, 755-772.	2.0	7
15	Lignocellulose Fermentation Products Generated by Giant Panda Gut Microbiomes Depend Ultimately on pH Rather than Portion of Bamboo: A Preliminary Study. <i>Microorganisms</i> , 2022, 10, 978.	1.6	0
16	Assessing the potential for up-cycling recovered resources from anaerobic digestion through microbial protein production. <i>Microbial Biotechnology</i> , 2021, 14, 897-910.	2.0	20
17	Stainless steel substrate pretreatment effects on copper nucleation and stripping during copper electrowinning. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 219-233.	1.5	9
18	Biochar and activated carbon enhance ethanol conversion and selectivity to caproic acid by <i>Clostridium kluyveri</i> . <i>Bioresource Technology</i> , 2021, 319, 124236.	4.8	36

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19	Effect of speciation and composition on the kinetics and precipitation of arsenic sulfide from industrial metallurgical wastewater. <i>Journal of Hazardous Materials</i> , 2021, 409, 124418.	6.5	49
20	Production and extraction of medium chain carboxylic acids at a semi-pilot scale. <i>Chemical Engineering Journal</i> , 2021, 416, 127886.	6.6	36
21	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.	5.3	23
22	Separation and recovery of ammonium from industrial wastewater containing methanol using copper hexacyanoferrate (CuHCF) electrodes. <i>Water Research</i> , 2021, 188, 116532.	5.3	13
23	Electrochemical and phylogenetic comparisons of oxygen-reducing electroautotrophic communities. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112700.	5.3	2
24	A Scalable 128-Channel, Time-Multiplexed Potentiostat for Parallel Electrochemical Experiments. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 1068-1079.	3.5	8
25	Cow manure stabilizes anaerobic digestion of cocoa waste. <i>Waste Management</i> , 2021, 126, 508-516.	3.7	14
26	Directional Selection of Microbial Community Reduces Propionate Accumulation in Glycerol and Glucose Anaerobic Bioconversion Under Elevated pCO ₂ . <i>Frontiers in Microbiology</i> , 2021, 12, 675763.	1.5	12
27	Hydrogen peroxide in bioelectrochemical systems negatively affects microbial current generation. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1463-1478.	1.5	5
28	Electrochemical In Situ pH Control Enables Chemical-Free Full Urine Nitrification with Concomitant Nitrate Extraction. <i>Environmental Science & Technology</i> , 2021, 55, 8287-8298.	4.6	9
29	Lignin Aromatics to PHA Polymers: Nitrogen and Oxygen Are the Key Factors for <i>Pseudomonas</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10579-10590.	3.2	18
30	From Biogas and Hydrogen to Microbial Protein Through Co-Cultivation of Methane and Hydrogen Oxidizing Bacteria. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 733753.	2.0	17
31	Copper and zinc extraction from automobile shredder residues via an integrated electrodeposition and crystallization process. <i>Resources, Conservation and Recycling</i> , 2021, 172, 105672.	5.3	11
32	Empowering electroactive microorganisms for soil remediation: Challenges in the bioelectrochemical removal of petroleum hydrocarbons. <i>Chemical Engineering Journal</i> , 2021, 419, 130008.	6.6	30
33	Boron extraction using selective ion exchange resins enables effective magnesium recovery from lithium rich brines with minimal lithium loss. <i>Separation and Purification Technology</i> , 2021, 275, 119177.	3.9	15
34	Continuous H ₂ /CO ₂ fermentation for acetic acid production under transient and continuous sulfide inhibition. <i>Chemosphere</i> , 2021, 285, 131536.	4.2	8
35	Estimation of pathogenic potential of an environmental <i>Pseudomonas aeruginosa</i> isolate using comparative genomics. <i>Scientific Reports</i> , 2021, 11, 1370.	1.6	5
36	Impact of Periodic Polarization on Groundwater Denitrification in Bioelectrochemical Systems. <i>Environmental Science & Technology</i> , 2021, 55, 15371-15379.	4.6	17

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37	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.	1.2	4
38	The hydrogen gas bio-based economy and the production of renewable building block chemicals, food and energy. <i>New Biotechnology</i> , 2020, 55, 12-18.	2.4	46
39	Microbial electrosynthesis from CO ₂ : forever a promise?. <i>Current Opinion in Biotechnology</i> , 2020, 62, 48-57.	3.3	232
40	Electrochemical tap water softening: A zero chemical input approach. <i>Water Research</i> , 2020, 169, 115263.	5.3	37
41	Membrane electrolysis for separation of cobalt from terephthalic acid industrial wastewater. <i>Hydrometallurgy</i> , 2020, 191, 105216.	1.8	15
42	Electrochemical treatment of industrial sulfidic spent caustic streams for sulfide removal and caustic recovery. <i>Journal of Hazardous Materials</i> , 2020, 388, 121770.	6.5	25
43	Microbial protein production from methane via electrochemical biogas upgrading. <i>Chemical Engineering Journal</i> , 2020, 391, 123625.	6.6	31
44	The type of microorganism and substrate determines the odor fingerprint of dried bacteria targeting microbial protein production. <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	9
45	The third route: Using extreme decentralization to create resilient urban water systems. <i>Water Research</i> , 2020, 185, 116276.	5.3	39
46	Membrane electrolysis for the removal of Na ⁺ from brines for the subsequent recovery of lithium salts. <i>Separation and Purification Technology</i> , 2020, 252, 117410.	3.9	16
47	Lithium carbonate recovery from brines using membrane electrolysis. <i>Journal of Membrane Science</i> , 2020, 615, 118416.	4.1	25
48	Impact of substrate and growth conditions on microbial protein production and composition. <i>Bioresource Technology</i> , 2020, 317, 124021.	4.8	15
49	Mildly acidic pH selects for chain elongation to caproic acid over alternative pathways during lactic acid fermentation. <i>Water Research</i> , 2020, 186, 116396.	5.3	83
50	Bio-electrochemical COD removal for energy-efficient, maximum and robust nitrogen recovery from urine through membrane aerated nitrification. <i>Water Research</i> , 2020, 185, 116223.	5.3	54
51	Direct and Indirect Effects of Increased CO ₂ Partial Pressure on the Bioenergetics of Syntrophic Propionate and Butyrate Conversion. <i>Environmental Science & Technology</i> , 2020, 54, 12583-12592.	4.6	33
52	Integrating anaerobic digestion and slow pyrolysis improves the product portfolio of a cocoa waste biorefinery. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3712-3725.	2.5	35
53	Ethanol:propionate ratio drives product selectivity in odd-chain elongation with <i>Clostridium kluyveri</i> and mixed communities. <i>Bioresource Technology</i> , 2020, 313, 123651.	4.8	23
54	Open microbiome dominated by <i>Clostridium</i> and <i>Eubacterium</i> converts methanol into i-butyrate and n-butyrate. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5119-5131.	1.7	17

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55	Homoacetogenesis and microbial community composition are shaped by pH and total sulfide concentration. <i>Microbial Biotechnology</i> , 2020, 13, 1026-1038.	2.0	13
56	An Affordable Multichannel Potentiostat with 128 Individual Stimulation and Sensing Channels. , 2020, , .		4
57	Electrochemically Induced Precipitation Enables Fresh Urine Stabilization and Facilitates Source Separation. <i>Environmental Science & Technology</i> , 2020, 54, 3618-3627.	4.6	28
58	Enrichment and characterisation of ethanol chain elongating communities from natural and engineered environments. <i>Scientific Reports</i> , 2020, 10, 3682.	1.6	25
59	Covalent triazine framework/carbon nanotube hybrids enabling selective reduction of CO ₂ to CO at low overpotential. <i>Green Chemistry</i> , 2020, 22, 3095-3103.	4.6	16
60	Microbial electrochemistry for bioremediation. <i>Environmental Science and Ecotechnology</i> , 2020, 1, 100013.	6.7	83
61	Electrifying Enzymatic Bioproduction. <i>Joule</i> , 2020, 4, 16-18.	11.7	2
62	<i>Casimicrobium huifangae</i> gen. nov., sp. nov., a Ubiquitous "Most-Wanted" Core Bacterial Taxon from Municipal Wastewater Treatment Plants. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	26
63	Substrate-Dependent Fermentation of Bamboo in Giant Panda Gut Microbiomes: Leaf Primarily to Ethanol and Pith to Lactate. <i>Frontiers in Microbiology</i> , 2020, 11, 530.	1.5	7
64	High-rate activated sludge systems combined with dissolved air flotation enable effective organics removal and recovery. <i>Bioresource Technology</i> , 2019, 291, 121833.	4.8	35
65	Mainstream Ammonium Recovery to Advance Sustainable Urban Wastewater Management. <i>Environmental Science & Technology</i> , 2019, 53, 11066-11079.	4.6	126
66	Full-scale investigation of in-situ iron and alkalinity generation for efficient sulfide control. <i>Water Research</i> , 2019, 167, 115032.	5.3	19
67	Fruity flavors from waste: A novel process to upgrade crude glycerol to ethyl valerate. <i>Bioresource Technology</i> , 2019, 289, 121574.	4.8	17
68	Direct electrochemical extraction increases microbial succinic acid production from spent sulphite liquor. <i>Green Chemistry</i> , 2019, 21, 2401-2411.	4.6	19
69	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.	2.4	9
70	Reversible Effects of Periodic Polarization on Anodic Electroactive Biofilms. <i>ChemElectroChem</i> , 2019, 6, 1921-1925.	1.7	13
71	Oxygen-reducing microbial cathodes monitoring toxic shocks in tap water. <i>Biosensors and Bioelectronics</i> , 2019, 132, 115-121.	5.3	53
72	Membrane electrolysis for the removal of Mg ²⁺ and Ca ²⁺ from lithium rich brines. <i>Water Research</i> , 2019, 154, 117-124.	5.3	63

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73	Granular fermentation enables high rate caproic acid production from solid-free thin stillage. <i>Green Chemistry</i> , 2019, 21, 1330-1339.	4.6	60
74	A 64-channel, 1.1-pA-accurate On-chip Potentiostat for Parallel Electrochemical Monitoring. , 2019, , .		6
75	Membrane stripping enables effective electrochemical ammonia recovery from urine while retaining microorganisms and micropollutants. <i>Water Research</i> , 2019, 150, 349-357.	5.3	54
76	Anode materials for sulfide oxidation in alkaline wastewater: An activity and stability performance comparison. <i>Water Research</i> , 2019, 149, 111-119.	5.3	27
77	An <i>Acetobacterium</i> strain isolated with metallic iron as electron donor enhances iron corrosion by a similar mechanism as <i>Sporomusa sphaeroides</i> . <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	39
78	Anaerobic ureolysis of source-separated urine for NH ₃ recovery enables direct removal of divalent ions at the toilet. <i>Water Research</i> , 2019, 148, 97-105.	5.3	21
79	Membrane electrolysis-assisted CO ₂ and H ₂ S extraction as innovative pretreatment method for biological biogas upgrading. <i>Chemical Engineering Journal</i> , 2019, 361, 1479-1486.	6.6	21
80	The Urgent Need to Re-engineer Nitrogen-Efficient Food Production for the Planet. , 2018, , 35-69.		14
81	Reactors for Microbial Electrobiotechnology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 167, 231-271.	0.6	15
82	Growth and current production of mixed culture anodic biofilms remain unaffected by sub-microscale surface roughness. <i>Bioelectrochemistry</i> , 2018, 122, 213-220.	2.4	14
83	Metal recovery by microbial electro-metallurgy. <i>Progress in Materials Science</i> , 2018, 94, 435-461.	16.0	110
84	Upgrading the value of anaerobic digestion <i>via</i> chemical production from grid injected biomethane. <i>Energy and Environmental Science</i> , 2018, 11, 1788-1802.	15.6	88
85	Effect of the anode potential on the physiology and proteome of <i>Shewanella oneidensis</i> MR-1. <i>Bioelectrochemistry</i> , 2018, 119, 172-179.	2.4	22
86	Combined extrusion and alkali pretreatment improves grass storage towards fermentation and anaerobic digestion. <i>Biomass and Bioenergy</i> , 2018, 119, 121-127.	2.9	7
87	Membrane Electrolysis Assisted Gas Fermentation for Enhanced Acetic Acid Production. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	21
88	Interfacing anaerobic digestion with (bio)electrochemical systems: Potentials and challenges. <i>Water Research</i> , 2018, 146, 244-255.	5.3	108
89	Capture“Ferment“Upgrade: A Three-Step Approach for the Valorization of Sewage Organics as Commodities. <i>Environmental Science & Technology</i> , 2018, 52, 6729-6742.	4.6	97
90	Carbon emission avoidance and capture by producing in-reactor microbial biomass based food, feed and slow release fertilizer: Potentials and limitations. <i>Science of the Total Environment</i> , 2018, 644, 1525-1530.	3.9	39

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91	A Novel <i>Shewanella</i> Isolate Enhances Corrosion by Using Metallic Iron as the Electron Donor with Fumarate as the Electron Acceptor. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	52
92	A novel high-throughput method for kinetic characterisation of anaerobic bioproduction strains, applied to <i>Clostridium kluyveri</i> . <i>Scientific Reports</i> , 2018, 8, 9724.	1.6	44
93	Porous nickel hollow fiber cathodes coated with CNTs for efficient microbial electrosynthesis of acetate from CO ₂ using <i>Sporomusa ovata</i> . <i>Journal of Materials Chemistry A</i> , 2018, 6, 17201-17211.	5.2	100
94	Ionic liquid ion exchange: exclusion from strong interactions condemns cations to the most weakly interacting anions and dictates reaction equilibrium. <i>Green Chemistry</i> , 2018, 20, 4277-4286.	4.6	35
95	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.	5.3	49
96	Sanitation of blackwater via sequential wetland and electrochemical treatment. <i>Npj Clean Water</i> , 2018, 1, .	3.1	24
97	Anode potential selection for sulfide removal in contaminated marine sediments. <i>Journal of Hazardous Materials</i> , 2018, 360, 498-503.	6.5	8
98	Cocoa residues as viable biomass for renewable energy production through anaerobic digestion. <i>Bioresource Technology</i> , 2018, 265, 568-572.	4.8	28
99	Decoupling Livestock from Land Use through Industrial Feed Production Pathways. <i>Environmental Science & Technology</i> , 2018, 52, 7351-7359.	4.6	124
100	Rapid and Quantitative Assessment of Redox Conduction Across Electroactive Biofilms by using Double Potential Step Chronoamperometry. <i>ChemElectroChem</i> , 2017, 4, 1026-1036.	1.7	41
101	Electrobioremediation of oil spills. <i>Water Research</i> , 2017, 114, 351-370.	5.3	119
102	Electrochemical oxidation of iron and alkalinity generation for efficient sulfide control in sewers. <i>Water Research</i> , 2017, 118, 114-120.	5.3	45
103	Nitrogen cycling in Bioregenerative Life Support Systems: Challenges for waste refinery and food production processes. <i>Progress in Aerospace Sciences</i> , 2017, 91, 87-98.	6.3	65
104	The type of ion selective membrane determines stability and production levels of microbial electrosynthesis. <i>Bioresource Technology</i> , 2017, 224, 358-364.	4.8	47
105	Simultaneous use of caustic and oxygen for efficient sulfide control in sewers. <i>Science of the Total Environment</i> , 2017, 601-602, 776-783.	3.9	23
106	Microbes and the Next Nitrogen Revolution. <i>Environmental Science & Technology</i> , 2017, 51, 7297-7303.	4.6	85
107	Continuous long-term electricity-driven bioproduction of carboxylates and isopropanol from CO ₂ with a mixed microbial community. <i>Journal of CO₂ Utilization</i> , 2017, 20, 141-149.	3.3	138
108	A Gibbs Free Energy-Based Assessment of Microbial Electrocatalysis. <i>Trends in Biotechnology</i> , 2017, 35, 393-406.	4.9	37

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109	A novel tubular microbial electrolysis cell for high rate hydrogen production. <i>Journal of Power Sources</i> , 2017, 356, 484-490.	4.0	107
110	Upgrading syngas fermentation effluent using <i>Clostridium kluyveri</i> in a continuous fermentation. <i>Biotechnology for Biofuels</i> , 2017, 10, 83.	6.2	94
111	The Chemical Route to a Carbon Dioxide Neutral World. <i>ChemSusChem</i> , 2017, 10, 1039-1055.	3.6	174
112	Concomitant Leaching and Electrochemical Extraction of Rare Earth Elements from Monazite. <i>Environmental Science & Technology</i> , 2017, 51, 1654-1661.	4.6	98
113	Bridging spatially segregated redox zones with a microbial electrochemical snorkel triggers biogeochemical cycles in oil-contaminated River Tyne (UK) sediments. <i>Water Research</i> , 2017, 127, 11-21.	5.3	30
114	Electrochemical Production of Magnetite Nanoparticles for Sulfide Control in Sewers. <i>Environmental Science & Technology</i> , 2017, 51, 12229-12234.	4.6	12
115	Electroactive Biofilms for Sensing: Reflections and Perspectives. <i>ACS Sensors</i> , 2017, 2, 1072-1085.	4.0	79
116	Electrochemical Ammonia Recovery from Source-Separated Urine for Microbial Protein Production. <i>Environmental Science & Technology</i> , 2017, 51, 13143-13150.	4.6	89
117	Efficient molasses fermentation under high salinity by inocula of marine and terrestrial origin. <i>Biotechnology for Biofuels</i> , 2017, 10, 23.	6.2	19
118	Successive parabolic interpolation as extremum seeking control for microbial fuel & electrolysis cells. , 2017, , .		2
119	A <i>Clostridium</i> Group IV Species Dominates and Suppresses a Mixed Culture Fermentation by Tolerance to Medium Chain Fatty Acids Products. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 8.	2.0	71
120	Electricity-assisted production of caproic acid from grass. <i>Biotechnology for Biofuels</i> , 2017, 10, 180.	6.2	75
121	Materials and Their Surface Modification for Use as Anode in Microbial Bioelectrochemical Systems. , 2017, , 403-427.		5
122	Biofilm Formation by <i>Clostridium ljungdahlii</i> Is Induced by Sodium Chloride Stress: Experimental Evaluation and Transcriptome Analysis. <i>PLoS ONE</i> , 2017, 12, e0170406.	1.1	60
123	Enhanced Product Recovery from Glycerol Fermentation into 3-Carbon Compounds in a Bioelectrochemical System Combined with In Situ Extraction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 73.	2.0	19
124	Genome-centric resolution of microbial diversity, metabolism and interactions in anaerobic digestion. <i>Environmental Microbiology</i> , 2016, 18, 3144-3158.	1.8	123
125	Direct anodic hydrochloric acid and cathodic caustic production during water electrolysis. <i>Scientific Reports</i> , 2016, 6, 20494.	1.6	15
126	Anode potential influences the structure and function of anodic electrode and electrolyte-associated microbiomes. <i>Scientific Reports</i> , 2016, 6, 39114.	1.6	57

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127	Pyrolytic carbon-coated stainless steel felt as a high-performance anode for bioelectrochemical systems. <i>Bioresource Technology</i> , 2016, 211, 664-668.	4.8	45
128	Electro-Fermentation – Merging Electrochemistry with Fermentation in Industrial Applications. <i>Trends in Biotechnology</i> , 2016, 34, 866-878.	4.9	235
129	High salinity in molasses wastewaters shifts anaerobic digestion to carboxylate production. <i>Water Research</i> , 2016, 98, 293-301.	5.3	57
130	Production of carboxylates from high rate activated sludge through fermentation. <i>Bioresource Technology</i> , 2016, 217, 165-172.	4.8	30
131	Acetate accumulation enhances mixed culture fermentation of biomass to lactic acid. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8337-8348.	1.7	19
132	A review of sustainable sanitation systems in Africa. <i>Reviews in Environmental Science and Biotechnology</i> , 2016, 15, 465-478.	3.9	45
133	Product Diversity Linked to Substrate Usage in Chain Elongation by Mixed-Culture Fermentation. <i>Environmental Science & Technology</i> , 2016, 50, 6467-6476.	4.6	105
134	The electron donating capacity of biochar is dramatically underestimated. <i>Scientific Reports</i> , 2016, 6, 32870.	1.6	106
135	Extraction and Esterification of Low-Titer Short-Chain Volatile Fatty Acids from Anaerobic Fermentation with Ionic Liquids. <i>ChemSusChem</i> , 2016, 9, 2059-2063.	3.6	32
136	Redox dependent metabolic shift in <i>Clostridium autoethanogenum</i> by extracellular electron supply. <i>Biotechnology for Biofuels</i> , 2016, 9, 249.	6.2	65
137	Anoxic metabolism and biochemical production in <i>Pseudomonas putida</i> F1 driven by a bioelectrochemical system. <i>Biotechnology for Biofuels</i> , 2016, 9, 39.	6.2	82
138	Electrochemical sulfide removal and caustic recovery from spent caustic streams. <i>Water Research</i> , 2016, 92, 38-43.	5.3	51
139	Anodes Stimulate Anaerobic Toluene Degradation via Sulfur Cycling in Marine Sediments. <i>Applied and Environmental Microbiology</i> , 2016, 82, 297-307.	1.4	74
140	Evaluating the potential impact of proton carriers on syntrophic propionate oxidation. <i>Scientific Reports</i> , 2015, 5, 18364.	1.6	23
141	Electrochemically and Bioelectrochemically Induced Ammonium Recovery. <i>Journal of Visualized Experiments</i> , 2015, , 52405.	0.2	14
142	Digestion of high rate activated sludge coupled to biochar formation for soil improvement in the tropics. <i>Water Research</i> , 2015, 81, 216-222.	5.3	22
143	Electrolytic extraction drives volatile fatty acid chain elongation through lactic acid and replaces chemical pH control in thin stillage fermentation. <i>Biotechnology for Biofuels</i> , 2015, 8, 221.	6.2	96
144	Electrochemical Nutrient Recovery Enables Ammonia Toxicity Control and Biogas Desulfurization in Anaerobic Digestion. <i>Environmental Science & Technology</i> , 2015, 49, 948-955.	4.6	72

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145	A logical data representation framework for electricity-driven bioproduction processes. <i>Biotechnology Advances</i> , 2015, 33, 736-744.	6.0	174
146	Hydrodynamic chronoamperometry for probing kinetics of anaerobic microbial metabolism – case study of <i>Faecalibacterium prausnitzii</i> . <i>Scientific Reports</i> , 2015, 5, 11484.	1.6	29
147	Selective Enrichment Establishes a Stable Performing Community for Microbial Electrosynthesis of Acetate from CO ₂ . <i>Environmental Science & Technology</i> , 2015, 49, 8833-8843.	4.6	243
148	Heat-treated stainless steel felt as scalable anode material for bioelectrochemical systems. <i>Bioresource Technology</i> , 2015, 195, 46-50.	4.8	69
149	Temperature and solids retention time control microbial population dynamics and volatile fatty acid production in replicated anaerobic digesters. <i>Scientific Reports</i> , 2015, 5, 8496.	1.6	104
150	In-line and selective phase separation of medium-chain carboxylic acids using membrane electrolysis. <i>Chemical Communications</i> , 2015, 51, 6847-6850.	2.2	117
151	Engineering electrodes for microbial electrocatalysis. <i>Current Opinion in Biotechnology</i> , 2015, 33, 149-156.	3.3	248
152	Development of bioelectrocatalytic activity stimulates mixed-culture reduction of glycerol in a bioelectrochemical system. <i>Microbial Biotechnology</i> , 2015, 8, 483-489.	2.0	34
153	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.	3.9	161
154	Electrochemically driven extraction and recovery of ammonia from human urine. <i>Water Research</i> , 2015, 87, 367-377.	5.3	116
155	Scaling-Free Electrochemical Production of Caustic and Oxygen for Sulfide Control in Sewers. <i>Environmental Science & Technology</i> , 2015, 49, 11395-11402.	4.6	9
156	Use of SWATH mass spectrometry for quantitative proteomic investigation of <i>Shewanella oneidensis</i> MR-1 biofilms grown on graphite cloth electrodes. <i>Systematic and Applied Microbiology</i> , 2015, 38, 135-139.	1.2	36
157	Electrochemical Abatement of Hydrogen Sulfide from Waste Streams. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 1555-1578.	6.6	75
158	Low temperature calcium hydroxide treatment enhances anaerobic methane production from (extruded) biomass. <i>Bioresource Technology</i> , 2015, 176, 181-188.	4.8	48
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