

# Bruce E Logan

## List of Publications by Year in descending order

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560  
papers

80,670  
citations

281

140  
h-index

538

265  
g-index

570  
all docs

570  
docs citations

570  
times ranked

24098  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial Fuel Cells: A Methodology and Technology. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5181-5192.	4.6	4,962
2	Exoelectrogenic bacteria that power microbial fuel cells. <i>Nature Reviews Microbiology</i> , 2009, 7, 375-381.	13.6	1,998
3	Electricity Generation Using an Air-Cathode Single Chamber Microbial Fuel Cell in the Presence and Absence of a Proton Exchange Membrane. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4040-4046.	4.6	1,708
4	Electrically conductive bacterial nanowires produced by <i>Shewanella oneidensis</i> strain MR-1 and other microorganisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11358-11363.	3.3	1,629
5	Conversion of Wastes into Bioelectricity and Chemicals by Using Microbial Electrochemical Technologies. <i>Science</i> , 2012, 337, 686-690.	6.0	1,515
6	Production of Electricity during Wastewater Treatment Using a Single Chamber Microbial Fuel Cell. <i>Environmental Science &amp; Technology</i> , 2004, 38, 2281-2285.	4.6	1,347
7	Membrane-based processes for sustainable power generation using water. <i>Nature</i> , 2012, 488, 313-319.	13.7	1,242
8	Graphite Fiber Brush Anodes for Increased Power Production in Air-Cathode Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3341-3346.	4.6	1,100
9	Microbial Electrolysis Cells for High Yield Hydrogen Gas Production from Organic Matter. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8630-8640.	4.6	1,091
10	Direct Biological Conversion of Electrical Current into Methane by Electromethanogenesis. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3953-3958.	4.6	1,033
11	Electricity-producing bacterial communities in microbial fuel cells. <i>Trends in Microbiology</i> , 2006, 14, 512-518.	3.5	1,031
12	Increased performance of single-chamber microbial fuel cells using an improved cathode structure. <i>Electrochemistry Communications</i> , 2006, 8, 489-494.	2.3	978
13	Electrochemically Assisted Microbial Production of Hydrogen from Acetate. <i>Environmental Science &amp; Technology</i> , 2005, 39, 4317-4320.	4.6	913
14	Production of Electricity from Acetate or Butyrate Using a Single-Chamber Microbial Fuel Cell. <i>Environmental Science &amp; Technology</i> , 2005, 39, 658-662.	4.6	892
15	Electroactive microorganisms in bioelectrochemical systems. <i>Nature Reviews Microbiology</i> , 2019, 17, 307-319.	13.6	890
16	Power Generation in Fed-Batch Microbial Fuel Cells as a Function of Ionic Strength, Temperature, and Reactor Configuration. <i>Environmental Science &amp; Technology</i> , 2005, 39, 5488-5493.	4.6	830
17	Microbial Fuel Cells—Challenges and Applications. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5172-5180.	4.6	804
18	The abundance and significance of a class of large, transparent organic particles in the ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993, 40, 1131-1140.	0.6	772

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19	Power Densities Using Different Cathode Catalysts (Pt and CoTMPP) and Polymer Binders (Nafion and) Tj ETQq1 1 0.784314 rgBT /Over 364-369.	4.6	769
20	Hydrogen Production in a Single Chamber Microbial Electrolysis Cell Lacking a Membrane. Environmental Science & Technology, 2008, 42, 3401-3406.	4.6	768
21	Continuous Electricity Generation from Domestic Wastewater and Organic Substrates in a Flat Plate Microbial Fuel Cell. Environmental Science & Technology, 2004, 38, 5809-5814.	4.6	766
22	Electricity generation from swine wastewater using microbial fuel cells. Water Research, 2005, 39, 4961-4968.	5.3	749
23	Scaling up microbial fuel cells and other bioelectrochemical systems. Applied Microbiology and Biotechnology, 2010, 85, 1665-1671.	1.7	726
24	A New Method for Water Desalination Using Microbial Desalination Cells. Environmental Science & Technology, 2009, 43, 7148-7152.	4.6	678
25	Increased Power Generation in a Continuous Flow MFC with Advective Flow through the Porous Anode and Reduced Electrode Spacing. Environmental Science & Technology, 2006, 40, 2426-2432.	4.6	646
26	Ammonia treatment of carbon cloth anodes to enhance power generation of microbial fuel cells. Electrochemistry Communications, 2007, 9, 492-496.	2.3	634
27	Power Generation Using Different Cation, Anion, and Ultrafiltration Membranes in Microbial Fuel Cells. Environmental Science & Technology, 2007, 41, 1004-1009.	4.6	613
28	Sustainable and efficient biohydrogen production via electrohydrogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18871-18873.	3.3	576
29	Cathode Performance as a Factor in Electricity Generation in Microbial Fuel Cells. Environmental Science & Technology, 2004, 38, 4900-4904.	4.6	570
30	Brewery wastewater treatment using air-cathode microbial fuel cells. Applied Microbiology and Biotechnology, 2008, 78, 873-880.	1.7	545
31	Electricity generation using membrane and salt bridge microbial fuel cells. Water Research, 2005, 39, 1675-1686.	5.3	524
32	Hydrogen and electricity production from a food processing wastewater using fermentation and microbial fuel cell technologies. Water Research, 2005, 39, 4673-4682.	5.3	521
33	Bacterial adhesion to glass and metal-oxide surfaces. Colloids and Surfaces B: Biointerfaces, 2004, 36, 81-90.	2.5	501
34	Use of Carbon Mesh Anodes and the Effect of Different Pretreatment Methods on Power Production in Microbial Fuel Cells. Environmental Science & Technology, 2009, 43, 6870-6874.	4.6	486
35	Biological Hydrogen Production Measured in Batch Anaerobic Respirometers. Environmental Science & Technology, 2002, 36, 2530-2535.	4.6	477
36	Treatment of carbon fiber brush anodes for improving power generation in air-cathode microbial fuel cells. Journal of Power Sources, 2010, 195, 1841-1844.	4.0	466

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37	Electricity generation from cysteine in a microbial fuel cell. <i>Water Research</i> , 2005, 39, 942-952.	5.3	449
38	Evaluation of procedures to acclimate a microbial fuel cell for electricity production. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 23-30.	1.7	444
39	The Relative Effectiveness of pH Control and Heat Treatment for Enhancing Biohydrogen Gas Production. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5186-5190.	4.6	427
40	Proton exchange membrane and electrode surface areas as factors that affect power generation in microbial fuel cells. <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 162-169.	1.7	423
41	Assessment of Microbial Fuel Cell Configurations and Power Densities. <i>Environmental Science and Technology Letters</i> , 2015, 2, 206-214.	3.9	423
42	Peer Reviewed: Extracting Hydrogen and Electricity from Renewable Resources. <i>Environmental Science &amp; Technology</i> , 2004, 38, 160A-167A.	4.6	417
43	Performance of a pilot-scale continuous flow microbial electrolysis cell fed winery wastewater. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 2053-2063.	1.7	378
44	Electricity Generation by <i>Rhodopseudomonas palustris</i> DX-1. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4146-4151.	4.6	375
45	Electricity generation and microbial community analysis of alcohol powered microbial fuel cells. <i>Bioresource Technology</i> , 2007, 98, 2568-2577.	4.8	369
46	Effectiveness of domestic wastewater treatment using microbial fuel cells at ambient and mesophilic temperatures. <i>Bioresource Technology</i> , 2010, 101, 469-475.	4.8	363
47	Power generation using an activated carbon and metal mesh cathode in a microbial fuel cell. <i>Electrochemistry Communications</i> , 2009, 11, 2177-2179.	2.3	358
48	Voltage reversal during microbial fuel cell stack operation. <i>Journal of Power Sources</i> , 2007, 167, 11-17.	4.0	348
49	Biohydrogen gas production from food processing and domestic wastewaters. <i>International Journal of Hydrogen Energy</i> , 2005, 30, 1535-1542.	3.8	334
50	The role of particulate carbohydrate exudates in the flocculation of diatom blooms. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1994, 41, 335-357.	0.6	328
51	Settling Velocities of Fractal Aggregates. <i>Environmental Science &amp; Technology</i> , 1996, 30, 1911-1918.	4.6	302
52	Batteries for Efficient Energy Extraction from a Water Salinity Difference. <i>Nano Letters</i> , 2011, 11, 1810-1813.	4.5	302
53	Production of hydrogen from domestic wastewater using a bioelectrochemically assisted microbial reactor (BEAMR). <i>International Journal of Hydrogen Energy</i> , 2007, 32, 2296-2304.	3.8	299
54	Separator Characteristics for Increasing Performance of Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8456-8461.	4.6	291

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55	Electricity generation and treatment of paper recycling wastewater using a microbial fuel cell. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 349-355.	1.7	285
56	Microbial fuel cell performance with non-Pt cathode catalysts. <i>Journal of Power Sources</i> , 2007, 171, 275-281.	4.0	281
57	Increasing power generation for scaling up single-chamber air cathode microbial fuel cells. <i>Bioresource Technology</i> , 2011, 102, 4468-4473.	4.8	281
58	Inhibition of Biohydrogen Production by Undissociated Acetic and Butyric Acids. <i>Environmental Science &amp; Technology</i> , 2005, 39, 9351-9356.	4.6	273
59	Hydrogen production from cellulose in a two-stage process combining fermentation and electrohydrogenesis. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 6201-6210.	3.8	272
60	The use of stainless steel and nickel alloys as low-cost cathodes in microbial electrolysis cells. <i>Journal of Power Sources</i> , 2009, 190, 271-278.	4.0	271
61	Isolation of the Exoelectrogenic Bacterium <i>Ochrobactrum anthropi</i> YZ-1 by Using a U-Tube Microbial Fuel Cell. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3130-3137.	1.4	268
62	Energy from algae using microbial fuel cells. <i>Biotechnology and Bioengineering</i> , 2009, 103, 1068-1076.	1.7	266
63	Integrated hydrogen production process from cellulose by combining dark fermentation, microbial fuel cells, and a microbial electrolysis cell. <i>Bioresource Technology</i> , 2011, 102, 4137-4143.	4.8	263
64	Fractal dimensions of aggregates determined from steady-state size distributions. <i>Environmental Science &amp; Technology</i> , 1991, 25, 2031-2038.	4.6	262
65	Using microbial desalination cells to reduce water salinity prior to reverse osmosis. <i>Energy and Environmental Science</i> , 2010, 3, 1114.	15.6	262
66	The electric picnic: synergistic requirements for exoelectrogenic microbial communities. <i>Current Opinion in Biotechnology</i> , 2011, 22, 378-385.	3.3	259
67	Hydrogen and methane production from swine wastewater using microbial electrolysis cells. <i>Water Research</i> , 2009, 43, 1480-1488.	5.3	257
68	Scale-up of membrane-free single-chamber microbial fuel cells. <i>Journal of Power Sources</i> , 2008, 179, 274-279.	4.0	255
69	Long-term performance of activated carbon air cathodes with different diffusion layer porosities in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011, 30, 49-55.	5.3	255
70	Analysis of ammonia loss mechanisms in microbial fuel cells treating animal wastewater. <i>Biotechnology and Bioengineering</i> , 2008, 99, 1120-1127.	1.7	252
71	Production of Electricity from Proteins Using a Microbial Fuel Cell. <i>Water Environment Research</i> , 2006, 78, 531-537.	1.3	249
72	Anode microbial communities produced by changing from microbial fuel cell to microbial electrolysis cell operation using two different wastewaters. <i>Bioresource Technology</i> , 2011, 102, 388-394.	4.8	249

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73	Microbial desalination cells for energy production and desalination. <i>Desalination</i> , 2013, 308, 122-130.	4.0	246
74	A Two-Stage Microbial Fuel Cell and Anaerobic Fluidized Bed Membrane Bioreactor (MFC-AFMBR) System for Effective Domestic Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2014, 48, 4199-4206.	4.6	244
75	Simultaneous Cellulose Degradation and Electricity Production by <i>Enterobacter cloacae</i> in a Microbial Fuel Cell. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3673-3678.	1.4	238
76	Energy Capture from Thermolytic Solutions in Microbial Reverse-Electrodialysis Cells. <i>Science</i> , 2012, 335, 1474-1477.	6.0	232
77	Ionic Resistance and Permselectivity Tradeoffs in Anion Exchange Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 10294-10301.	4.0	232
78	High Surface Area Stainless Steel Brushes as Cathodes in Microbial Electrolysis Cells. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2179-2183.	4.6	230
79	Probing Bacterial Electrosteric Interactions Using Atomic Force Microscopy. <i>Environmental Science &amp; Technology</i> , 2000, 34, 3354-3362.	4.6	226
80	Low Energy Desalination Using Battery Electrode Deionization. <i>Environmental Science and Technology Letters</i> , 2017, 4, 444-449.	3.9	224
81	Substrate-Enhanced Microbial Fuel Cells for Improved Remote Power Generation from Sediment-Based Systems. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4053-4058.	4.6	221
82	Electrochemical technologies for wastewater treatment and resource reclamation. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 800-831.	1.2	220
83	Effect of Molecular Scale Roughness of Glass Beads on Colloidal and Bacterial Deposition. <i>Environmental Science &amp; Technology</i> , 2002, 36, 184-189.	4.6	217
84	Influence of Fluid Velocity and Cell Concentration on the Transport of Motile and Nonmotile Bacteria in Porous Media. <i>Environmental Science &amp; Technology</i> , 1998, 32, 1699-1708.	4.6	215
85	Increased biological hydrogen production with reduced organic loading. <i>Water Research</i> , 2005, 39, 3819-3826.	5.3	214
86	Biological hydrogen production by <i>Clostridium acetobutylicum</i> in an unsaturated flow reactor. <i>Water Research</i> , 2006, 40, 728-734.	5.3	214
87	A monetary comparison of energy recovered from microbial fuel cells and microbial electrolysis cells fed winery or domestic wastewaters. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8855-8861.	3.8	213
88	Rapid formation and sedimentation of large aggregates is predictable from coagulation rates (half-lives) of transparent exopolymer particles (TEP). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 203-214.	0.6	212
89	High hydrogen production from glycerol or glucose by electrohydrogenesis using microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5373-5381.	3.8	209
90	COD removal characteristics in air-cathode microbial fuel cells. <i>Bioresource Technology</i> , 2015, 176, 23-31.	4.8	209

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91	Long-term cathode performance and the microbial communities that develop in microbial fuel cells fed different fermentation endproducts. <i>Bioresource Technology</i> , 2011, 102, 361-366.	4.8	206
92	Analysis of polarization methods for elimination of power overshoot in microbial fuel cells. <i>Electrochemistry Communications</i> , 2011, 13, 54-56.	2.3	201
93	Hydrogen production with effluent from an ethanolâ€H2-coproducing fermentation reactor using a single-chamber microbial electrolysis cell. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3055-3060.	5.3	197
94	Hydrogenase-independent uptake and metabolism of electrons by the archaeon <i>Methanococcus maripaludis</i> . <i>ISME Journal</i> , 2014, 8, 1673-1681.	4.4	196
95	A Review of Chlorate- and Perchlorate-Respiring Microorganisms. <i>Bioremediation Journal</i> , 1998, 2, 69-79.	1.0	195
96	Comparison of Electrode Reduction Activities of <i>Geobacter sulfurreducens</i> and an Enriched Consortium in an Air-Cathode Microbial Fuel Cell. <i>Applied and Environmental Microbiology</i> , 2008, 74, 7348-7355.	1.4	192
97	Phosphate recovery as struvite within a single chamber microbial electrolysis cell. <i>Bioresource Technology</i> , 2012, 107, 110-115.	4.8	192
98	Electricity Production from Steam-Exploded Corn Stover Biomass. <i>Energy &amp; Fuels</i> , 2006, 20, 1716-1721.	2.5	190
99	Power generation using an activated carbon fiber felt cathode in an upflow microbial fuel cell. <i>Journal of Power Sources</i> , 2010, 195, 1130-1135.	4.0	190
100	Convergent development of anodic bacterial communities in microbial fuel cells. <i>ISME Journal</i> , 2012, 6, 2002-2013.	4.4	190
101	Contributions of Bacterial Surface Polymers, Electrostatics, and Cell Elasticity to the Shape of AFM Force Curves. <i>Langmuir</i> , 2002, 18, 5256-5262.	1.6	187
102	Source of methane and methods to control its formation in single chamber microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 3653-3658.	3.8	187
103	Microbial Electrodialysis Cell for Simultaneous Water Desalination and Hydrogen Gas Production. <i>Environmental Science &amp; Technology</i> , 2010, 44, 9578-9583.	4.6	185
104	Enhanced Activated Carbon Cathode Performance for Microbial Fuel Cell by Blending Carbon Black. <i>Environmental Science &amp; Technology</i> , 2014, 48, 2075-2081.	4.6	185
105	Fractal geometry of marine snow and other biological aggregates. <i>Limnology and Oceanography</i> , 1990, 35, 130-136.	1.6	184
106	A Novel Anaerobic Electrochemical Membrane Bioreactor (AnEMBR) with Conductive Hollow-fiber Membrane for Treatment of Low-Organic Strength Solutions. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12833-12841.	4.6	183
107	Hydrogen Production by <i>Geobacter</i> Species and a Mixed Consortium in a Microbial Electrolysis Cell. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7579-7587.	1.4	181
108	Hydrogen production with nickel powder cathode catalysts in microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 428-437.	3.8	180

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109	Isolation of the exoelectrogenic denitrifying bacterium <i>Comamonas denitrificans</i> based on dilution to extinction. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1575-1587.	1.7	179
110	Influence of Chemical and Physical Properties of Activated Carbon Powders on Oxygen Reduction and Microbial Fuel Cell Performance. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6704-6710.	4.6	178
111	Optimal Set Anode Potentials Vary in Bioelectrochemical Systems. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6036-6041.	4.6	177
112	Essential Data and Techniques for Conducting Microbial Fuel Cell and other Types of Bioelectrochemical System Experiments. <i>ChemSusChem</i> , 2012, 5, 988-994.	3.6	177
113	Biological hydrogen production using a membrane bioreactor. <i>Biotechnology and Bioengineering</i> , 2004, 87, 119-127.	1.7	175
114	Temporal-Spatial Changes in Viabilities and Electrochemical Properties of Anode Biofilms. <i>Environmental Science &amp; Technology</i> , 2015, 49, 5227-5235.	4.6	175
115	A logical data representation framework for electricity-driven bioproduction processes. <i>Biotechnology Advances</i> , 2015, 33, 736-744.	6.0	174
116	Emerging electrochemical and membrane-based systems to convert low-grade heat to electricity. <i>Energy and Environmental Science</i> , 2018, 11, 276-285.	15.6	172
117	Microbial Community Composition Is Unaffected by Anode Potential. <i>Environmental Science &amp; Technology</i> , 2014, 48, 1352-1358.	4.6	171
118	Observation of Changes in Bacterial Cell Morphology Using Tapping Mode Atomic Force Microscopy. <i>Langmuir</i> , 2000, 16, 4563-4572.	1.6	167
119	Series Assembly of Microbial Desalination Cells Containing Stacked Electrodialysis Cells for Partial or Complete Seawater Desalination. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5840-5845.	4.6	167
120	Adaptation to high current using low external resistances eliminates power overshoot in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011, 28, 71-76.	5.3	166
121	Enrichment of Microbial Electrolysis Cell Biocathodes from Sediment Microbial Fuel Cell Bioanodes. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5212-5219.	1.4	165
122	A thermally regenerative ammonia-based battery for efficient harvesting of low-grade thermal energy as electrical power. <i>Energy and Environmental Science</i> , 2015, 8, 343-349.	15.6	165
123	High hydrogen production rate of microbial electrolysis cell (MEC) with reduced electrode spacing. <i>Bioresource Technology</i> , 2011, 102, 3571-3574.	4.8	164
124	Specific ion effects on membrane potential and the permselectivity of ion exchange membranes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21673-21681.	1.3	160
125	Hydrogen production from inexhaustible supplies of fresh and salt water using microbial reverse-electrodialysis electrolysis cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16176-16181.	3.3	159
126	Simultaneous water desalination and electricity generation in a microbial desalination cell with electrolyte recirculation for pH control. <i>Bioresource Technology</i> , 2012, 106, 89-94.	4.8	159



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127	Tubular Membrane Cathodes for Scalable Power Generation in Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3347-3353.	4.6	156
128	Microbial Fuel Cell Cathodes With Poly(dimethylsiloxane) Diffusion Layers Constructed around Stainless Steel Mesh Current Collectors. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1490-1495.	4.6	155
129	Peer Reviewed: Assessing the outlook for perchlorate remediation. <i>Environmental Science &amp; Technology</i> , 2001, 35, 482A-487A.	4.6	154
130	Microbial Degradation of Perchlorate: Principles and Applications. <i>Environmental Engineering Science</i> , 2003, 20, 405-422.	0.8	151
131	The use and optimization of stainless steel mesh cathodes in microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12020-12028.	3.8	151
132	Particle size spectra between 1 $\mu$ m and 1 cm at Monterey Bay determined using multiple instruments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 1739-1767.	0.6	149
133	Bioaugmentation for Electricity Generation from Corn Stover Biomass Using Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6088-6093.	4.6	149
134	Syntrophic interactions drive the hydrogen production from glucose at low temperature in microbial electrolysis cells. <i>Bioresource Technology</i> , 2012, 124, 68-76.	4.8	149
135	Enhanced transport of bacteria in porous media by sediment-phase and aqueous-phase natural organic matter. <i>Water Research</i> , 1996, 30, 923-931.	5.3	148
136	Inhibition of biohydrogen production by ammonia. <i>Water Research</i> , 2006, 40, 1167-1172.	5.3	147
137	Enhanced hydrogen and 1,3-propanediol production from glycerol by fermentation using mixed cultures. <i>Biotechnology and Bioengineering</i> , 2009, 104, 1098-1106.	1.7	147
138	Power production in MFCs inoculated with <i>Shewanella oneidensis</i> MR-1 or mixed cultures. <i>Biotechnology and Bioengineering</i> , 2010, 105, 489-498.	1.7	147
139	Permeability of Fractal Aggregates. <i>Water Research</i> , 2001, 35, 3373-3380.	5.3	146
140	Effect of Set Potential on Hexavalent Chromium Reduction and Electricity Generation from Biocathode Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5025-5031.	4.6	146
141	Single-Step Fabrication Using a Phase Inversion Method of Poly(vinylidene fluoride) (PVDF) Activated Carbon Air Cathodes for Microbial Fuel Cells. <i>Environmental Science and Technology Letters</i> , 2014, 1, 416-420.	3.9	145
142	Capturing power at higher voltages from arrays of microbial fuel cells without voltage reversal. <i>Energy and Environmental Science</i> , 2011, 4, 4662.	15.6	143
143	Long-Term Performance of Chemically and Physically Modified Activated Carbons in Air Cathodes of Microbial Fuel Cells. <i>ChemElectroChem</i> , 2014, 1, 1859-1866.	1.7	143
144	A Hybrid Microbial Fuel Cell Membrane Bioreactor with a Conductive Ultrafiltration Membrane Biocathode for Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11821-11828.	4.6	142

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145	Adaptively Evolving Bacterial Communities for Complete and Selective Reduction of Cr(VI), Cu(II), and Cd(II) in Biocathode Bioelectrochemical Systems. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9914-9924.	4.6	140
146	Fractal dimensions of aggregates formed in different fluid mechanical environments. <i>Water Research</i> , 1995, 29, 443-453.	5.3	139
147	Electricity generation from model organic wastewater in a cassette-electrode microbial fuel cell. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 325-30.	1.7	137
148	Enhanced start-up of anaerobic facultatively autotrophic biocathodes in bioelectrochemical systems. <i>Journal of Biotechnology</i> , 2013, 168, 478-485.	1.9	137
149	Molecular Size Distributions of Dissolved Organic Matter. <i>Journal of Environmental Engineering, ASCE</i> , 1990, 116, 1046-1062.	0.7	134
150	Kinetics of Perchlorate- and Chlorate-Respiring Bacteria. <i>Applied and Environmental Microbiology</i> , 2001, 67, 2499-2506.	1.4	134
151	Ion Exchange Membrane Cathodes for Scalable Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6967-6972.	4.6	134
152	The use of nylon and glass fiber filter separators with different pore sizes in air-cathode single-chamber microbial fuel cells. <i>Energy and Environmental Science</i> , 2010, 3, 659.	15.6	134
153	Wastewater treatment, energy recovery and desalination using a forward osmosis membrane in an air-cathode microbial osmotic fuel cell. <i>Journal of Membrane Science</i> , 2013, 428, 116-122.	4.1	131
154	<i>Methanobacterium</i> Dominates Biocathodic Archaeal Communities in Methanogenic Microbial Electrolysis Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1668-1676.	3.2	130
155	Removal of Odors from Swine Wastewater by Using Microbial Fuel Cells. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2540-2543.	1.4	129
156	Electrochemical struvite precipitation from digestate with a fluidized bed cathode microbial electrolysis cell. <i>Water Research</i> , 2014, 54, 297-306.	5.3	129
157	Impact of electrode configurations on retention time and domestic wastewater treatment efficiency using microbial fuel cells. <i>Water Research</i> , 2015, 80, 41-46.	5.3	129
158	Advanced Materials, Technologies, and Complex Systems Analyses: Emerging Opportunities to Enhance Urban Water Security. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10274-10281.	4.6	129
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