

# Baikun Li

## List of Publications by Year in descending order

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151  
papers

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22153  
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39675  
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167  
docs citations

167  
times ranked

7526  
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise control of water and wastewater treatment systems with non-ideal heterogeneous mixing models and high-fidelity sensing. Chemical Engineering Journal, 2022, 430, 132819.	12.7	5
2	Enhancing long-term accuracy and durability of wastewater monitoring using electrosprayed ultra-thin solid-state ion selective membrane sensors. Journal of Membrane Science, 2022, 643, 119997.	8.2	14
3	Citizen Science and the Sustainable Development Goals: Building Social and Technical Capacity through Data Collection in the Upper Blue Nile Basin, Ethiopia. Sustainability, 2022, 14, 3647.	3.2	6
4	A Literature Review on the Human Dimension in Water-Energy Nexus. , 2022, , .		0
5	Enhancing the Understanding of Soil Nitrogen Fate Using a 3D-Electrospray Sensor Roll Casted with a Thin-Layer Hydrogel. Environmental Science & Technology, 2022, 56, 4905-4914.	10.0	14
6	Forward-Looking Roadmaps for Long-Term Continuous Water Quality Monitoring: Bottlenecks, Innovations, and Prospects in a Critical Review. Environmental Science & Technology, 2022, 56, 5334-5354.	10.0	26
7	Ion selective nano-mesh electrode for long-term continuous monitoring of wastewater quality fabricated using template-guided membrane immobilization. Environmental Science: Nano, 2022, 9, 2149-2160.	4.3	5
8	Electrospraying Zwitterionic Copolymers as an Effective Biofouling Control for Accurate and Continuous Monitoring of Wastewater Dynamics in a Real-Time and Long-Term Manner. Environmental Science & Technology, 2022, 56, 8176-8186.	10.0	9
9	Recent progress in the detection of emerging contaminants PFASs. Journal of Hazardous Materials, 2021, 408, 124437.	12.4	72
10	Editorial perspective: Viruses in wastewater: Wading into the knowns and unknowns. Environmental Research, 2021, 196, 110255.	7.5	7
11	An integrated E-Tube cap for sample preparation, isothermal amplification and label-free electrochemical detection of DNA. Biosensors and Bioelectronics, 2021, 186, 113306.	10.1	12
12	Exposure, health effects, sensing, and remediation of the emerging PFAS contaminants – Scientific challenges and potential research directions. Science of the Total Environment, 2021, 780, 146399.	8.0	42
13	Machine Learning: New Ideas and Tools in Environmental Science and Engineering. Environmental Science & Technology, 2021, 55, 12741-12754.	10.0	140
14	Multiplexed colorimetric detection of SARS-CoV-2 and other pathogens in wastewater on a 3D printed integrated microfluidic chip. Sensors and Actuators B: Chemical, 2021, 344, 130242.	7.8	51
15	Miniature microbial fuel cells integrated with triggered power management systems to power wastewater sensors in an uninterrupted mode. Applied Energy, 2021, 302, 117556.	10.1	15
16	Solving Sensor Reading Drifting Using Denoising Data Processing Algorithm (DDPA) for Long-Term Continuous and Accurate Monitoring of Ammonium in Wastewater. ACS ES&T Water, 2021, 1, 530-541.	4.6	12
17	Novel insights into integrated fermentation and nitrogen removal by free nitrous acid (FNA) serving as treatment method. Journal of Hazardous Materials, 2020, 381, 120835.	12.4	19
18	Evaluation of single and combined toxicity of bisphenol A and its analogues using a highly-sensitive micro-biosensor. Journal of Hazardous Materials, 2020, 381, 120908.	12.4	31

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19	Degradation pathways, microbial community and electricity properties analysis of antibiotic sulfamethoxazole by bio-electro-Fenton system. <i>Bioresource Technology</i> , 2020, 298, 122501.	9.6	68
20	Real-time in situ auto-correction of K <sup>+</sup> interference for continuous and long-term NH <sub>4</sub> <sup>+</sup> monitoring in wastewater using solid-state ion selective membrane (S-ISM) sensor assembly. <i>Environmental Research</i> , 2020, 189, 109891.	7.5	14
21	Virus Monitoring and Removal in Natural and Built Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	1.4	1
22	Electrochemical sensors for nitrogen species: A review. <i>Sensors and Actuators Reports</i> , 2020, 2, 100022.	4.4	31
23	Toward Long-Term Accurate and Continuous Monitoring of Nitrate in Wastewater Using Poly(tetrafluoroethylene) (PTFE)â€Solid-State Ion-Selective Electrodes (S-ISEs). <i>ACS Sensors</i> , 2020, 5, 3182-3193.	7.8	39
24	Long-term continuous and real-time in situ monitoring of Pb(II) toxic contaminants in wastewater using solid-state ion selective membrane (S-ISM) Pb and pH auto-correction assembly. <i>Journal of Hazardous Materials</i> , 2020, 400, 123299.	12.4	23
25	Towards water-saving irrigation methodology: Field test of soil moisture profiling using flat thin mm-sized soil moisture sensors (MSMSs). <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126857.	7.8	15
26	High-fidelity profiling and modeling of heterogeneity in wastewater systems using milli-electrode array (MEA): Toward high-efficiency and energy-saving operation. <i>Water Research</i> , 2019, 165, 114971.	11.3	5
27	High resolution air flow velocity monitoring using air flow resistance-type sensor film (AFRSF). <i>Sensors and Actuators A: Physical</i> , 2019, 297, 111562.	4.1	3
28	Towards high resolution monitoring of water flow velocity using flat flexible thin mm-sized resistance-typed sensor film (MRSF). <i>Water Research X</i> , 2019, 4, 100028.	6.1	7
29	In-situ oil presence sensor using simple-structured upward open-channel microbial fuel cell (UOC-MFC). <i>Biosensors and Bioelectronics: X</i> , 2019, 1, 100014.	1.7	8
30	Bio-Electron-Fenton (BEF) process driven by sediment microbial fuel cells (SMFCs) for antibiotics desorption and degradation. <i>Biosensors and Bioelectronics</i> , 2019, 136, 8-15.	10.1	43
31	Real-Time in Situ Monitoring of Nitrogen Dynamics in Wastewater Treatment Processes using Wireless, Solid-State, and Ion-Selective Membrane Sensors. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3140-3148.	10.0	40
32	Nitrogenâ€doped Hollow Co <sub>3</sub> O <sub>4</sub> Nanofibers for both Solidâ€state pH Sensing and Improved Nonâ€enzymatic Glucose Sensing. <i>Electroanalysis</i> , 2019, 31, 678-687.	2.9	14
33	Synergy of partial-denitrification and anammox in continuously fed upflow sludge blanket reactor for simultaneous nitrate and ammonia removal at room temperature. <i>Bioresource Technology</i> , 2019, 274, 386-394.	9.6	103
34	Achieving energy-efficient nitrogen removal and excess sludge reutilization by partial nitrification and simultaneous anammox denitrification and sludge fermentation process. <i>Chemosphere</i> , 2019, 218, 705-714.	8.2	30
35	High-efficient nitrogen removal from municipal wastewater via two-stage nitrification/anammox process: Long-term stability assessment and mechanism analysis. <i>Bioresource Technology</i> , 2019, 271, 150-158.	9.6	62
36	Flat thin mm-sized soil moisture sensor (MSMS) fabricated by gold compact discs etching for real-time in situ profiling. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1166-1172.	7.8	7

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37	Rapid nitrite production <i>via</i> partial denitrification: pilot-scale operation and microbial community analysis. Environmental Science: Water Research and Technology, 2018, 4, 80-86.	2.4	45
38	Characterization of EPS compositions and microbial community in an Anammox SBBR system treating landfill leachate. Bioresource Technology, 2018, 249, 108-116.	9.6	176
39	Integrating sludge microbial fuel cell with inclined plate settling and membrane filtration for electricity generation, efficient sludge reduction and high wastewater quality. Chemical Engineering Journal, 2018, 331, 152-160.	12.7	23
40	Enhancing anaerobic fermentation performance through eccentrically stirred mixing: Experimental and modeling methodology. Chemical Engineering Journal, 2018, 334, 1383-1391.	12.7	18
41	Optimization of denitrifying phosphorus removal in a pre-denitrification anaerobic/anoxic/post-aeration + nitrification sequence batch reactor (pre-A2NSBR) system: Nitrate recycling, carbon/nitrogen ratio and carbon source type. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	13
42	High-temperature annealing enabled iridium oxide nanofibers for both non-enzymatic glucose and solid-state pH sensing. Electrochimica Acta, 2018, 281, 117-126.	5.2	38
43	A novel simultaneous partial nitrification Anammox and denitrification (SNAD) with intermittent aeration for cost-effective nitrogen removal from mature landfill leachate. Chemical Engineering Journal, 2017, 313, 619-628.	12.7	159
44	Energy-positive wastewater treatment and desalination in an integrated microbial desalination cell (MDC)-microbial electrolysis cell (MEC). Journal of Power Sources, 2017, 356, 529-538.	7.8	65
45	Enhancing ammonium oxidizing bacteria activity was key to single-stage partial nitrification-anammox system treating low-strength sewage under intermittent aeration condition. Bioresource Technology, 2017, 231, 36-44.	9.6	93
46	Flat enzyme-based lactate biofuel cell integrated with power management system: Towards long term in situ power supply for wearable sensors. Applied Energy, 2017, 194, 71-80.	10.1	22
47	Stratification of Extracellular Polymeric Substances (EPS) for Aggregated Anammox Microorganisms. Environmental Science & Technology, 2017, 51, 3260-3268.	10.0	389
48	Simultaneous domestic wastewater and nitrate sewage treatment by DENitrifying AMmonium OXidation (DEAMOX) in sequencing batch reactor. Chemosphere, 2017, 174, 399-407.	8.2	69
49	Achieve efficient nitrogen removal from real sewage in a plug-flow integrated fixed-film activated sludge (IFAS) reactor via partial nitrification/anammox pathway. Bioresource Technology, 2017, 239, 294-301.	9.6	73
50	Flat flexible thin milli-electrode array for real-time in situ water quality monitoring in distribution systems. Environmental Science: Water Research and Technology, 2017, 3, 865-874.	2.4	7
51	Effects of alkali types on waste activated sludge (WAS) fermentation and microbial communities. Chemosphere, 2017, 186, 864-872.	8.2	35
52	Enhanced nitrogen and phosphorus removal from municipal wastewater in an anaerobic-aerobic-anoxic sequencing batch reactor with sludge fermentation products as carbon source. Bioresource Technology, 2017, 244, 1158-1165.	9.6	110
53	Performance and microbial community analysis of a novel DEAMOX based on partial-denitrification and anammox treating ammonia and nitrate wastewaters. Water Research, 2017, 108, 46-56.	11.3	416
54	A miniaturized electrochemical toxicity biosensor based on graphene oxide quantum dots/carboxylated carbon nanotubes for assessment of priority pollutants. Journal of Hazardous Materials, 2017, 324, 272-280.	12.4	73

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55	Flat Flexible Thin Milli-electrode Array for Real-time in situ Water Quality Monitoring in Distribution Systems. Proceedings of the Water Environment Federation, 2017, 2017, 5598-5617.	0.0	0
56	Enhancement of Integrated Waste Activated Sludge Fermentation and Denitrification by Addition of Sodium Dodecyl Sulfate. Clean - Soil, Air, Water, 2016, 44, 885-890.	1.1	0
57	Quantitative determination and toxicity evaluation of 2,4-dichlorophenol using poly(eosin) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.3	20
58	Effect of Salinity on Enhancing Waste Activated Sludge Alkaline Fermentation at Different Temperatures. Clean - Soil, Air, Water, 2016, 44, 1750-1758.	1.1	8
59	High-throughput profiling of microbial community structures in an ANAMMOX-UASB reactor treating high-strength wastewater. Applied Microbiology and Biotechnology, 2016, 100, 6457-6467.	3.6	168
60	Effect of carbon source type on intracellular stored polymers during endogenous denitrification (ED) treating landfill leachate. Water Research, 2016, 100, 405-412.	11.3	129
61	Disposable self-support paper-based multi-anode microbial fuel cell (PMMFC) integrated with power management system (PMS) as the real time "œshock" biosensor for wastewater. Biosensors and Bioelectronics, 2016, 85, 232-239.	10.1	59
62	Short-chain fatty acids production and microbial community in sludge alkaline fermentation: Long-term effect of temperature. Bioresource Technology, 2016, 211, 685-690.	9.6	75
63	Mechanisms and microbial structure of partial denitrification with high nitrite accumulation. Applied Microbiology and Biotechnology, 2016, 100, 2011-2021.	3.6	172
64	Determine the operational boundary of a pilot-scale single-stage partial nitrification/anammox system with granular sludge. Water Science and Technology, 2016, 73, 2085-2092.	2.5	33
65	The effect of salinity on waste activated sludge alkaline fermentation and kinetic analysis. Journal of Environmental Sciences, 2016, 43, 80-90.	6.1	30
66	Design of a shared-stage charge pump circuit for multi-anode microbial fuel cells. , 2016, , .		3
67	Integrated anaerobic ammonium oxidization with partial denitrification process for advanced nitrogen removal from high-strength wastewater. Bioresource Technology, 2016, 221, 37-46.	9.6	80
68	Achieving simultaneous nitrogen removal of low C/N wastewater and external sludge reutilization in a sequencing batch reactor. Chemical Engineering Journal, 2016, 306, 925-932.	12.7	69
69	Self-sustained high-rate anammox: from biological to bioelectrochemical processes. Environmental Science: Water Research and Technology, 2016, 2, 1022-1031.	2.4	12
70	Real-time in situ sensing of multiple water quality related parameters using micro-electrode array (MEA) fabricated by inkjet-printing technology (IPT). Sensors and Actuators B: Chemical, 2016, 237, 1108-1119.	7.8	41
71	Start-up of single-stage partial nitrification-anammox process treating low-strength swage and its restoration from nitrate accumulation. Bioresource Technology, 2016, 218, 771-779.	9.6	132
72	Long term effect of alkali types on waste activated sludge hydrolytic acidification and microbial community at low temperature. Bioresource Technology, 2016, 200, 587-597.	9.6	84

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73	Energy-positive nitrogen removal using the integrated short-cut nitrification and autotrophic denitrification microbial fuel cells (MFCs). <i>Applied Energy</i> , 2016, 163, 352-360.	10.1	78
74	Nitrite production in a partial denitrifying upflow sludge bed (USB) reactor equipped with gas automatic circulation (GAC). <i>Water Research</i> , 2016, 90, 309-316.	11.3	141
75	A novel stoichiometries methodology to quantify functional microorganisms in simultaneous (partial) nitrification-endogenous denitrification and phosphorus removal (SNEDPR). <i>Water Research</i> , 2016, 95, 319-329.	11.3	73
76	Towards high power output of scaled-up benthic microbial fuel cells (BMFCs) using multiple electron collectors. <i>Biosensors and Bioelectronics</i> , 2016, 79, 435-441.	10.1	47
77	Advanced nitrogen removal via nitrite using stored polymers in a modified sequencing batch reactor treating landfill leachate. <i>Bioresource Technology</i> , 2015, 192, 354-360.	9.6	51
78	Flat microliter membrane-based microbial fuel cell as an on-line sticker sensor for self-supported in situ monitoring of wastewater shocks. <i>Bioresource Technology</i> , 2015, 197, 244-251.	9.6	63
79	Self-sustained reduction of multiple metals in a microbial fuel cell-microbial electrolysis cell hybrid system. <i>Bioresource Technology</i> , 2015, 192, 238-246.	9.6	49
80	Detection of nitrifiers and evaluation of partial nitrification for wastewater treatment: A review. <i>Chemosphere</i> , 2015, 140, 85-98.	8.2	341
81	Treating low carbon/nitrogen (C/N) wastewater in simultaneous nitrification-endogenous denitrification and phosphorous removal (SNDPR) systems by strengthening anaerobic intracellular carbon storage. <i>Water Research</i> , 2015, 77, 191-200.	11.3	264
82	Distributed multiple-anodes benthic microbial fuel cell as reliable power source for subsea sensors. <i>Journal of Power Sources</i> , 2015, 286, 210-216.	7.8	31
83	Pyrolyzed binuclear-cobalt-phthalocyanine as electrocatalyst for oxygen reduction reaction in microbial fuel cells. <i>Bioresource Technology</i> , 2015, 193, 545-548.	9.6	27
84	Electro-osmotic-based catholyte production by Microbial Fuel Cells for carbon capture. <i>Water Research</i> , 2015, 86, 108-115.	11.3	42
85	Long-term effect of pH on short-chain fatty acids accumulation and microbial community in sludge fermentation systems. <i>Bioresource Technology</i> , 2015, 197, 56-63.	9.6	114
86	Free nitrous acid pretreatment of wasted activated sludge to exploit internal carbon source for enhanced denitrification. <i>Bioresource Technology</i> , 2015, 179, 20-25.	9.6	66
87	Integrating waste activated sludge (WAS) acidification with denitrification by adding nitrite (NO <sub>2</sub> <sup>-</sup> ). <i>Biomass and Bioenergy</i> , 2014, 67, 460-465.	5.7	33
88	Towards achieving long-lifespan and self-sustained monitoring of coastal environments. , 2014, , .		6
89	The effects of wastewater types on power generation and phosphorus removal of microbial fuel cells (MFCs) with activated carbon (AC) cathodes. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21796-21802.	7.1	28
90	Utilization of alkali-tolerant stains in fermentation of excess sludge. <i>Bioresource Technology</i> , 2014, 157, 52-59.	9.6	6

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91	The effects of carbon electrode surface properties on bacteria attachment and start up time of microbial fuel cells. Carbon, 2014, 67, 128-139.	10.3	122
92	Single chamber microbial fuel cells (SCMFCs) treating wastewater containing methanol. International Journal of Hydrogen Energy, 2014, 39, 2340-2344.	7.1	23
93	Performance evaluation of activated carbon-based electrodes with novel power management system for long-term benthic microbial fuel cells. International Journal of Hydrogen Energy, 2014, 39, 21847-21856.	7.1	63
94	Hybrid binuclear-cobalt-phthalocyanine as oxygen reduction reaction catalyst in single chamber microbial fuel cells. Journal of Power Sources, 2014, 272, 320-327.	7.8	65
95	A batch-mode cube microbial fuel cell based "biosensor for wastewater quality monitoring. Biosensors and Bioelectronics, 2014, 62, 308-314.	10.1	128
96	Water formation at the cathode and sodium recovery using Microbial Fuel Cells (MFCs). Sustainable Energy Technologies and Assessments, 2014, 7, 187-194.	2.7	60
97	Advanced nitrogen removal from landfill leachate using real-time controlled three-stage sequence batch reactor (SBR) system. Bioresource Technology, 2014, 159, 258-265.	9.6	62
98	Surface Modification of Microbial Fuel Cells Anodes: Approaches to Practical Design. Electrochimica Acta, 2014, 134, 116-126.	5.2	89
99	Mechanisms of nitrite addition for simultaneous sludge fermentation/nitrite removal (SFNR). Water Research, 2014, 64, 13-22.	11.3	29
100	Metals as electron acceptors in single-chamber microbial fuel cells. Journal of Power Sources, 2014, 269, 430-439.	7.8	60
101	Volatile fatty acids (VFAs) accumulation and microbial community structure of excess sludge (ES) at different pHs. Bioresource Technology, 2014, 152, 124-129.	9.6	105
102	Effect of temperature on short chain fatty acids (SCFAs) accumulation and microbiological transformation in sludge alkaline fermentation with Ca(OH) <sub>2</sub> adjustment. Water Research, 2014, 61, 34-45.	11.3	162
103	Cobalt porphyrin-based material as methanol tolerant cathode in single chamber microbial fuel cells (SCMFCs). Journal of Power Sources, 2014, 257, 246-253.	7.8	44
104	Tunable "n transition behaviour of a p-La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /n-CeO <sub>2</sub> nanofibers heterojunction for the development of selective high temperature propane sensors. Journal of Materials Chemistry A, 2014, 2, 11651.	10.3	17
105	Parameters characterization and optimization of activated carbon (AC) cathodes for microbial fuel cell application. Bioresource Technology, 2014, 163, 54-63.	9.6	102
106	Activated carbon nanofiber anodes for microbial fuel cells. Carbon, 2013, 53, 19-28.	10.3	69
107	Power generation and contaminant removal in single chamber microbial fuel cells (SCMFCs) treating human urine. International Journal of Hydrogen Energy, 2013, 38, 11543-11551.	7.1	78
108	Performance of plug flow microbial fuel cell (PF-MFC) and complete mixing microbial fuel cell (CM-MFC) for wastewater treatment and power generation. International Journal of Hydrogen Energy, 2013, 38, 5383-5388.	7.1	34



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109	Optimizing the production of hydrogen and 1,3-propanediol in anaerobic fermentation of biodiesel glycerol. International Journal of Hydrogen Energy, 2013, 38, 3196-3205.	7.1	42
110	A biomass-based marine sediment energy harvesting system. , 2013, , .		7
111	Activated carbon nanofibers (ACNF) as cathode for single chamber microbial fuel cells (SCMFCs). Journal of Power Sources, 2013, 243, 499-507.	7.8	83
112	Stability characterization and modeling of robust distributed benthic microbial fuel cell (DBMFC) system. Bioresource Technology, 2013, 144, 477-484.	9.6	47
113	Power generation and organics removal from wastewater using activated carbon nanofiber (ACNF) microbial fuel cells (MFCs). International Journal of Hydrogen Energy, 2013, 38, 1588-1597.	7.1	91
114	Current generation in membraneless single chamber microbial fuel cells (MFCs) treating urine. Journal of Power Sources, 2013, 238, 190-196.	7.8	63
115	Power generation of microbial fuel cells (MFCs) with low cathodic platinum loading. International Journal of Hydrogen Energy, 2013, 38, 692-700.	7.1	59
116	Influence of Electrode Characteristics on Coulombic Efficiency (CE) in Microbial Fuel Cells (MFCs) Treating Wastewater. Journal of the Electrochemical Society, 2013, 160, G3117-G3122.	2.9	10
117	Evaluation of Water Transport and Oxygen Presence in Single Chamber Microbial Fuel Cells with Carbon-Based Cathodes. Journal of the Electrochemical Society, 2013, 160, G3128-G3134.	2.9	26
118	High Power Generation by a Membraneless Single Chamber Microbial Fuel Cell (SCMFC) Using Enzymatic Bilirubin Oxidase (BOx) Air-Breathing Cathode. Journal of the Electrochemical Society, 2013, 160, H720-H726.	2.9	44
119	Optimizing the production of hydrogen and 1,3-propanediol in anaerobic fermentation of biodiesel glycerol. Proceedings of the Water Environment Federation, 2013, 2013, 2004-2013.	0.0	1
120	Performance Evaluation of Plug Flow Microbial Fuel Cell (PF-MFC) and Complete Mixing Microbial Fuel Cell (CM-MFC) for Wastewater Treatment and Power Generation. Proceedings of the Water Environment Federation, 2013, 2013, 2014-2023.	0.0	2
121	The Correlation of the Anodic and Cathodic Open Circuit Potential (OCP) and Power Generation in Microbial Fuel Cells (MFCs). ECS Transactions, 2012, 41, 45-53.	0.5	8
122	Effects of Anode and Cathode Areas on Organic Compounds Removal and Power Generation in Membraneless Microbial Fuel Cell (MFC). ECS Transactions, 2012, 41, 57-63.	0.5	7
123	La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> nanofibers for in situ, real-time, and stable high temperature oxygen sensing. RSC Advances, 2012, 2, 3872.	3.6	19
124	Power generation from wastewater using single chamber microbial fuel cells (MFCs) with platinum-free cathodes and pre-colonized anodes. Biochemical Engineering Journal, 2012, 62, 8-16.	3.6	111
125	Effects of gas diffusion layer (GDL) and micro porous layer (MPL) on cathode performance in microbial fuel cells (MFCs). International Journal of Hydrogen Energy, 2011, 36, 13096-13104.	7.1	76
126	Sensitive Hydrazine Detection Using a Porous Mn <sub>2</sub> O <sub>3</sub> Nanofibers-Based Sensor. Electroanalysis, 2011, 23, 1245-1251.	2.9	52



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127	A pilot-scale study on utilizing multi-anode/cathode microbial fuel cells (MAC MFCs) to enhance the power production in wastewater treatment. International Journal of Hydrogen Energy, 2011, 36, 876-884.	7.1	218
128	Bioenergy production from glycerol in hydrogen producing bioreactors (HPBs) and microbial fuel cells (MFCs). International Journal of Hydrogen Energy, 2011, 36, 3853-3861.	7.1	40
129	Electricity generation in continuous flow microbial fuel cells (MFCs) with manganese dioxide (MnO <sub>2</sub> ) cathodes. Biochemical Engineering Journal, 2011, 54, 10-15.	3.6	51
130	High Power Recovery with Large-scale Multi-anode/cathode Microbial Fuel Cells Treating Wastewater. Proceedings of the Water Environment Federation, 2010, 2010, 3913-3924.	0.0	1
131	Microbial Fuel Cells: The Effects of Configurations, Electrolyte Solutions, and Electrode Materials on Power Generation. Applied Biochemistry and Biotechnology, 2010, 160, 168-181.	2.9	88
132	Effect of Inoculum Types on Bacterial Adhesion and Power Production in Microbial Fuel Cells. Applied Biochemistry and Biotechnology, 2010, 160, 182-196.	2.9	69
133	Carbonized Hemoglobin Nanofibers for Enhanced H <sub>2</sub> O <sub>2</sub> Detection. Electroanalysis, 2010, 22, 1911-1917.	2.9	15
134	Manganese dioxide as a new cathode catalyst in microbial fuel cells. Journal of Power Sources, 2010, 195, 2586-2591.	7.8	165
135	Optimizing energy harvest in wastewater treatment by combining anaerobic hydrogen producing biofermentor (HPB) and microbial fuel cell (MFC). International Journal of Hydrogen Energy, 2010, 35, 3789-3797.	7.1	139
136	Power recovery with multi-anode/cathode microbial fuel cells suitable for future large-scale applications. International Journal of Hydrogen Energy, 2010, 35, 8683-8689.	7.1	65
137	The variation of power generation with organic substrates in single-chamber microbial fuel cells (SCMFCs). Bioresource Technology, 2010, 101, 1844-1850.	9.6	153
138	Ammonia Gas Sensor Using Polypyrrole-Coated TiO <sub>2</sub> /ZnO Nanofibers. Electroanalysis, 2009, 21, 1432-1438.	2.9	150
139	Shortcut nitrification-denitrification by real-time control strategies. Bioresource Technology, 2009, 100, 2298-2300.	9.6	96
140	Optimizing hydrogen production from organic wastewater treatment in batch reactors through experimental and kinetic analysis. International Journal of Hydrogen Energy, 2009, 34, 6171-6180.	7.1	41
141	Granular activated carbon single-chamber microbial fuel cells (GAC-SCMFCs): A design suitable for large-scale wastewater treatment processes. Biochemical Engineering Journal, 2009, 47, 31-37.	3.6	142
142	From Cu <sub>2</sub> (OH) <sub>3</sub> Cl to nanostructured sisal-like Cu(OH) <sub>2</sub> and CuO: Synthesis and characterization. Journal of Applied Physics, 2009, 105, .	2.5	43
143	Odor Control for Land Application of Lime Stabilized Biosolids. Water, Air and Soil Pollution, 2008, 8, 369-378.	0.8	4
144	The Effect of Bacterial Adhesion and Electrode Potentials on Electricity Generation of Microbial Fuel Cells (MFCs). Proceedings of the Water Environment Federation, 2008, 2008, 1581-1597.	0.0	0

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145	Evaluation of Quicklime Incorporation in Bench-Scale and Full-Scale Lime Stabilized Biosolids Using a Flat Surface pH Electrode. Journal of the Air and Waste Management Association, 2007, 57, 794-802.	0.1	1
146	Evaluation of Quicklime Incorporation in Bench-Scale and Full-Scale Lime Stabilized Biosolids Using a Flat Surface pH Electrode. Journal of the Air and Waste Management Association, 2007, 57, 1-2.	1.9	1
147	Evaluation of Quicklime Incorporation in Bench-Scale and Full-Scale Lime Stabilized Biosolids Using a Flat Surface pH Electrode. Journal of the Air and Waste Management Association, 2007, 57, 794-802.	1.9	3
148	The comparison of alkalinity and ORP as indicators for nitrification and denitrification in a sequencing batch reactor (SBR). Biochemical Engineering Journal, 2007, 34, 248-255.	3.6	104
149	Hydrogen production from diluted molasses by anaerobic hydrogen producing bacteria in an anaerobic baffled reactor (ABR). International Journal of Hydrogen Energy, 2007, 32, 3274-3283.	7.1	101
150	The impact of ultraviolet light on bacterial adhesion to glass and metal oxide-coated surface. Colloids and Surfaces B: Biointerfaces, 2005, 41, 153-161.	5.0	47
151	Bacterial adhesion to glass and metal-oxide surfaces. Colloids and Surfaces B: Biointerfaces, 2004, 36, 81-90.	5.0	501