

Baikun Li

List of Publications by Year in descending order

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151
papers

9,710
citations

22132

59
h-index

39638

94
g-index

167
all docs

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. <i>Chemical Engineering Journal</i> , 2022, 430, 132819.	6.6	5
2	Enhancing long-term accuracy and durability of wastewater monitoring using electrosprayed ultra-thin solid-state ion selective membrane sensors. <i>Journal of Membrane Science</i> , 2022, 643, 119997.	4.1	14
3	Citizen Science and the Sustainable Development Goals: Building Social and Technical Capacity through Data Collection in the Upper Blue Nile Basin, Ethiopia. <i>Sustainability</i> , 2022, 14, 3647.	1.6	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. <i>Environmental Science & Technology</i> , 2022, 56, 4905-4914.	4.6	14
6	Forward-Looking Roadmaps for Long-Term Continuous Water Quality Monitoring: Bottlenecks, Innovations, and Prospects in a Critical Review. <i>Environmental Science & Technology</i> , 2022, 56, 5334-5354.	4.6	26
7	Ion selective nano-mesh electrode for long-term continuous monitoring of wastewater quality fabricated using template-guided membrane immobilization. <i>Environmental Science: Nano</i> , 2022, 9, 2149-2160.	2.2	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. <i>Environmental Science & Technology</i> , 2022, 56, 8176-8186.	4.6	9
9	Recent progress in the detection of emerging contaminants PFASs. <i>Journal of Hazardous Materials</i> , 2021, 408, 124437.	6.5	72
10	Editorial perspective: Viruses in wastewater: Wading into the knowns and unknowns. <i>Environmental Research</i> , 2021, 196, 110255.	3.7	7
11	An integrated E-Tube cap for sample preparation, isothermal amplification and label-free electrochemical detection of DNA. <i>Biosensors and Bioelectronics</i> , 2021, 186, 113306.	5.3	12
12	Exposure, health effects, sensing, and remediation of the emerging PFAS contaminants – Scientific challenges and potential research directions. <i>Science of the Total Environment</i> , 2021, 780, 146399.	3.9	42
13	Machine Learning: New Ideas and Tools in Environmental Science and Engineering. <i>Environmental Science & Technology</i> , 2021, 55, 12741-12754.	4.6	140
14	Multiplexed colorimetric detection of SARS-CoV-2 and other pathogens in wastewater on a 3D printed integrated microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130242.	4.0	51
15	Miniature microbial fuel cells integrated with triggered power management systems to power wastewater sensors in an uninterrupted mode. <i>Applied Energy</i> , 2021, 302, 117556.	5.1	15
16	Solving Sensor Reading Drifting Using Denoising Data Processing Algorithm (DDPA) for Long-Term Continuous and Accurate Monitoring of Ammonium in Wastewater. <i>ACS ES&T Water</i> , 2021, 1, 530-541.	2.3	12
17	Novel insights into integrated fermentation and nitrogen removal by free nitrous acid (FNA) serving as treatment method. <i>Journal of Hazardous Materials</i> , 2020, 381, 120835.	6.5	19
18	Evaluation of single and combined toxicity of bisphenol A and its analogues using a highly-sensitive micro-biosensor. <i>Journal of Hazardous Materials</i> , 2020, 381, 120908.	6.5	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.	4.8	68
20	Real-time in situ auto-correction of K ⁺ interference for continuous and long-term NH ₄ ⁺ monitoring in wastewater using solid-state ion selective membrane (S-ISM) sensor assembly. <i>Environmental Research</i> , 2020, 189, 109891.	3.7	14
21	Virus Monitoring and Removal in Natural and Built Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	1
22	Electrochemical sensors for nitrogen species: A review. <i>Sensors and Actuators Reports</i> , 2020, 2, 100022.	2.3	31
23	Toward Long-Term Accurate and Continuous Monitoring of Nitrate in Wastewater Using Poly(tetrafluoroethylene) (PTFE) Solid-State Ion-Selective Electrodes (S-ISEs). <i>ACS Sensors</i> , 2020, 5, 3182-3193.	4.0	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.	6.5	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.	4.0	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.	5.3	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.	2.0	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.	2.8	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.	0.9	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.	5.3	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 & Technology</i> , 2019, 53, 3140-3148.	4.6	40
32	Nitrogen-doped Hollow Co ₃ O ₄ Nanofibers for both Solid-state pH Sensing and Improved Non-enzymatic Glucose Sensing. <i>Electroanalysis</i> , 2019, 31, 678-687.	1.5	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.	4.8	103
34	Achieving energy-efficient nitrogen removal and excess sludge reutilization by partial nitritation and simultaneous anammox denitrification and sludge fermentation process. <i>Chemosphere</i> , 2019, 218, 705-714.	4.2	30
35	High-efficient nitrogen removal from municipal wastewater via two-stage nitritation/anammox process: Long-term stability assessment and mechanism analysis. <i>Bioresource Technology</i> , 2019, 271, 150-158.	4.8	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.	4.0	7

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37	Rapid nitrite production via partial denitrification: pilot-scale operation and microbial community analysis. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 80-86.	1.2	45
38	Characterization of EPS compositions and microbial community in an Anammox SBBR system treating landfill leachate. <i>Bioresource Technology</i> , 2018, 249, 108-116.	4.8	176
39	Integrating sludge microbial fuel cell with inclined plate settling and membrane filtration for electricity generation, efficient sludge reduction and high wastewater quality. <i>Chemical Engineering Journal</i> , 2018, 331, 152-160.	6.6	23
40	Enhancing anaerobic fermentation performance through eccentrically stirred mixing: Experimental and modeling methodology. <i>Chemical Engineering Journal</i> , 2018, 334, 1383-1391.	6.6	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. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	3.3	13
42	High-temperature annealing enabled iridium oxide nanofibers for both non-enzymatic glucose and solid-state pH sensing. <i>Electrochimica Acta</i> , 2018, 281, 117-126.	2.6	38
43	A novel simultaneous partial nitrification Anammox and denitrification (SNAD) with intermittent aeration for cost-effective nitrogen removal from mature landfill leachate. <i>Chemical Engineering Journal</i> , 2017, 313, 619-628.	6.6	159
44	Energy-positive wastewater treatment and desalination in an integrated microbial desalination cell (MDC)-microbial electrolysis cell (MEC). <i>Journal of Power Sources</i> , 2017, 356, 529-538.	4.0	65
45	Enhancing ammonium oxidizing bacteria activity was key to single-stage partial nitrification-anammox system treating low-strength sewage under intermittent aeration condition. <i>Bioresource Technology</i> , 2017, 231, 36-44.	4.8	93
46	Flat enzyme-based lactate biofuel cell integrated with power management system: Towards long term in situ power supply for wearable sensors. <i>Applied Energy</i> , 2017, 194, 71-80.	5.1	22
47	Stratification of Extracellular Polymeric Substances (EPS) for Aggregated Anammox Microorganisms. <i>Environmental Science & Technology</i> , 2017, 51, 3260-3268.	4.6	389
48	Simultaneous domestic wastewater and nitrate sewage treatment by DENitrifying AMmonium OXidation (DEAMOX) in sequencing batch reactor. <i>Chemosphere</i> , 2017, 174, 399-407.	4.2	69
49	Achieve efficient nitrogen removal from real sewage in a plug-flow integrated fixed-film activated sludge (IFAS) reactor via partial nitritation/anammox pathway. <i>Bioresource Technology</i> , 2017, 239, 294-301.	4.8	73
50	Flat flexible thin milli-electrode array for real-time in situ water quality monitoring in distribution systems. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 865-874.	1.2	7
51	Effects of alkali types on waste activated sludge (WAS) fermentation and microbial communities. <i>Chemosphere</i> , 2017, 186, 864-872.	4.2	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. <i>Bioresource Technology</i> , 2017, 244, 1158-1165.	4.8	110
53	Performance and microbial community analysis of a novel DEAMOX based on partial-denitrification and anammox treating ammonia and nitrate wastewaters. <i>Water Research</i> , 2017, 108, 46-56.	5.3	416
54	A miniaturized electrochemical toxicity biosensor based on graphene oxide quantum dots/carboxylated carbon nanotubes for assessment of priority pollutants. <i>Journal of Hazardous Materials</i> , 2017, 324, 272-280.	6.5	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 Denitritation by Addition of Sodium Dodecyl Sulfate. Clean - Soil, Air, Water, 2016, 44, 885-890.	0.7	0
57	Quantitative determination and toxicity evaluation of 2,4-dichlorophenol using poly(eosin) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.6	20
58	Effect of Salinity on Enhancing Waste Activated Sludge Alkaline Fermentation at Different Temperatures. Clean - Soil, Air, Water, 2016, 44, 1750-1758.	0.7	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.	1.7	168
60	Effect of carbon source type on intracellular stored polymers during endogenous denitritation (ED) treating landfill leachate. Water Research, 2016, 100, 405-412.	5.3	129
61	Disposable self-support paper-based multi-anode microbial fuel cell (PMMFC) integrated with power management system (PMS) as the real time "shock" biosensor for wastewater. Biosensors and Bioelectronics, 2016, 85, 232-239.	5.3	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.	4.8	75
63	Mechanisms and microbial structure of partial denitrification with high nitrite accumulation. Applied Microbiology and Biotechnology, 2016, 100, 2011-2021.	1.7	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.	1.2	33
65	The effect of salinity on waste activated sludge alkaline fermentation and kinetic analysis. Journal of Environmental Sciences, 2016, 43, 80-90.	3.2	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.	4.8	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.	6.6	69
69	Self-sustained high-rate anammox: from biological to bioelectrochemical processes. Environmental Science: Water Research and Technology, 2016, 2, 1022-1031.	1.2	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.	4.0	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.	4.8	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.	4.8	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.	5.1	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.	5.3	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.	5.3	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.	5.3	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.	4.8	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.	4.8	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.	4.8	49
80	Detection of nitrifiers and evaluation of partial nitrification for wastewater treatment: A review. <i>Chemosphere</i> , 2015, 140, 85-98.	4.2	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.	5.3	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.	4.0	31
83	Pyrolyzed binuclear-cobalt-phthalocyanine as electrocatalyst for oxygen reduction reaction in microbial fuel cells. <i>Bioresource Technology</i> , 2015, 193, 545-548.	4.8	27
84	Electro-osmotic-based catholyte production by Microbial Fuel Cells for carbon capture. <i>Water Research</i> , 2015, 86, 108-115.	5.3	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.	4.8	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.	4.8	66
87	Integrating waste activated sludge (WAS) acidification with denitrification by adding nitrite (NO ₂ ⁻). <i>Biomass and Bioenergy</i> , 2014, 67, 460-465.	2.9	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.	3.8	28
90	Utilization of alkali-tolerant stains in fermentation of excess sludge. <i>Bioresource Technology</i> , 2014, 157, 52-59.	4.8	6

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91	The effects of carbon electrode surface properties on bacteria attachment and start up time of microbial fuel cells. <i>Carbon</i> , 2014, 67, 128-139.	5.4	122
92	Single chamber microbial fuel cells (SCMFCs) treating wastewater containing methanol. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2340-2344.	3.8	23
93	Performance evaluation of activated carbon-based electrodes with novel power management system for long-term benthic microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21847-21856.	3.8	63
94	Hybrid binuclear-cobalt-phthalocyanine as oxygen reduction reaction catalyst in single chamber microbial fuel cells. <i>Journal of Power Sources</i> , 2014, 272, 320-327.	4.0	65
95	A batch-mode cube microbial fuel cell based α -biosensor for wastewater quality monitoring. <i>Biosensors and Bioelectronics</i> , 2014, 62, 308-314.	5.3	128
96	Water formation at the cathode and sodium recovery using Microbial Fuel Cells (MFCs). <i>Sustainable Energy Technologies and Assessments</i> , 2014, 7, 187-194.	1.7	60
97	Advanced nitrogen removal from landfill leachate using real-time controlled three-stage sequence batch reactor (SBR) system. <i>Bioresource Technology</i> , 2014, 159, 258-265.	4.8	62
98	Surface Modification of Microbial Fuel Cells Anodes: Approaches to Practical Design. <i>Electrochimica Acta</i> , 2014, 134, 116-126.	2.6	89
99	Mechanisms of nitrite addition for simultaneous sludge fermentation/nitrite removal (SFNR). <i>Water Research</i> , 2014, 64, 13-22.	5.3	29
100	Metals as electron acceptors in single-chamber microbial fuel cells. <i>Journal of Power Sources</i> , 2014, 269, 430-439.	4.0	60
101	Volatile fatty acids (VFAs) accumulation and microbial community structure of excess sludge (ES) at different pHs. <i>Bioresource Technology</i> , 2014, 152, 124-129.	4.8	105
102	Effect of temperature on short chain fatty acids (SCFAs) accumulation and microbiological transformation in sludge alkaline fermentation with $\text{Ca}(\text{OH})_2$ adjustment. <i>Water Research</i> , 2014, 61, 34-45.	5.3	162
103	Cobalt porphyrin-based material as methanol tolerant cathode in single chamber microbial fuel cells (SCMFCs). <i>Journal of Power Sources</i> , 2014, 257, 246-253.	4.0	44
104	Tunable n transition behaviour of a $\text{p-La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{n-CeO}_2$ nanofibers heterojunction for the development of selective high temperature propane sensors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11651.	5.2	17
105	Parameters characterization and optimization of activated carbon (AC) cathodes for microbial fuel cell application. <i>Bioresource Technology</i> , 2014, 163, 54-63.	4.8	102
106	Activated carbon nanofiber anodes for microbial fuel cells. <i>Carbon</i> , 2013, 53, 19-28.	5.4	69
107	Power generation and contaminant removal in single chamber microbial fuel cells (SCMFCs) treating human urine. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11543-11551.	3.8	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. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5383-5388.	3.8	34

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109	Optimizing the production of hydrogen and 1,3-propanediol in anaerobic fermentation of biodiesel glycerol. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3196-3205.	3.8	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). <i>Journal of Power Sources</i> , 2013, 243, 499-507.	4.0	83
112	Stability characterization and modeling of robust distributed benthic microbial fuel cell (DBMFC) system. <i>Bioresource Technology</i> , 2013, 144, 477-484.	4.8	47
113	Power generation and organics removal from wastewater using activated carbon nanofiber (ACNF) microbial fuel cells (MFCs). <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1588-1597.	3.8	91
114	Current generation in membraneless single chamber microbial fuel cells (MFCs) treating urine. <i>Journal of Power Sources</i> , 2013, 238, 190-196.	4.0	63
115	Power generation of microbial fuel cells (MFCs) with low cathodic platinum loading. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 692-700.	3.8	59
116	Influence of Electrode Characteristics on Coulombic Efficiency (CE) in Microbial Fuel Cells (MFCs) Treating Wastewater. <i>Journal of the Electrochemical Society</i> , 2013, 160, G3117-G3122.	1.3	10
117	Evaluation of Water Transport and Oxygen Presence in Single Chamber Microbial Fuel Cells with Carbon-Based Cathodes. <i>Journal of the Electrochemical Society</i> , 2013, 160, G3128-G3134.	1.3	26
118	High Power Generation by a Membraneless Single Chamber Microbial Fuel Cell (SCMFC) Using Enzymatic Bilirubin Oxidase (BOx) Air-Breathing Cathode. <i>Journal of the Electrochemical Society</i> , 2013, 160, H720-H726.	1.3	44
119	Optimizing the production of hydrogen and 1,3-propanediol in anaerobic fermentation of biodiesel glycerol. <i>Proceedings of the Water Environment Federation</i> , 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. <i>Proceedings of the Water Environment Federation</i> , 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). <i>ECS Transactions</i> , 2012, 41, 45-53.	0.3	8
122	Effects of Anode and Cathode Areas on Organic Compounds Removal and Power Generation in Membraneless Microbial Fuel Cell (MFC). <i>ECS Transactions</i> , 2012, 41, 57-63.	0.3	7
123	La _{0.67} Sr _{0.33} MnO ₃ nanofibers for in situ, real-time, and stable high temperature oxygen sensing. <i>RSC Advances</i> , 2012, 2, 3872.	1.7	19
124	Power generation from wastewater using single chamber microbial fuel cells (MFCs) with platinum-free cathodes and pre-colonized anodes. <i>Biochemical Engineering Journal</i> , 2012, 62, 8-16.	1.8	111
125	Effects of gas diffusion layer (GDL) and micro porous layer (MPL) on cathode performance in microbial fuel cells (MFCs). <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13096-13104.	3.8	76
126	Sensitive Hydrazine Detection Using a Porous Mn ₂ O ₃ Nanofibers-Based Sensor. <i>Electroanalysis</i> , 2011, 23, 1245-1251.	1.5	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. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 876-884.	3.8	218
128	Bioenergy production from glycerol in hydrogen producing bioreactors (HPBs) and microbial fuel cells (MFCs). <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3853-3861.	3.8	40
129	Electricity generation in continuous flow microbial fuel cells (MFCs) with manganese dioxide (MnO ₂) cathodes. <i>Biochemical Engineering Journal</i> , 2011, 54, 10-15.	1.8	51
130	High Power Recovery with Large-scale Multi-anode/cathode Microbial Fuel Cells Treating Wastewater. <i>Proceedings of the Water Environment Federation</i> , 2010, 2010, 3913-3924.	0.0	1
131	Microbial Fuel Cells: The Effects of Configurations, Electrolyte Solutions, and Electrode Materials on Power Generation. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 168-181.	1.4	88
132	Effect of Inoculum Types on Bacterial Adhesion and Power Production in Microbial Fuel Cells. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 182-196.	1.4	69
133	Carbonized Hemoglobin Nanofibers for Enhanced H ₂ O ₂ Detection. <i>Electroanalysis</i> , 2010, 22, 1911-1917.	1.5	15
134	Manganese dioxide as a new cathode catalyst in microbial fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 2586-2591.	4.0	165
135	Optimizing energy harvest in wastewater treatment by combining anaerobic hydrogen producing biofermentor (HPB) and microbial fuel cell (MFC). <i>International Journal of Hydrogen Energy</i> , 2010, 35, 3789-3797.	3.8	139
136	Power recovery with multi-anode/cathode microbial fuel cells suitable for future large-scale applications. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8683-8689.	3.8	65
137	The variation of power generation with organic substrates in single-chamber microbial fuel cells (SCMFCs). <i>Bioresource Technology</i> , 2010, 101, 1844-1850.	4.8	153
138	Ammonia Gas Sensor Using Polypyrrole-Coated TiO ₂ /ZnO Nanofibers. <i>Electroanalysis</i> , 2009, 21, 1432-1438.	1.5	150
139	Shortcut nitrification-denitrification by real-time control strategies. <i>Bioresource Technology</i> , 2009, 100, 2298-2300.	4.8	96
140	Optimizing hydrogen production from organic wastewater treatment in batch reactors through experimental and kinetic analysis. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 6171-6180.	3.8	41
141	Granular activated carbon single-chamber microbial fuel cells (GAC-SCMFCs): A design suitable for large-scale wastewater treatment processes. <i>Biochemical Engineering Journal</i> , 2009, 47, 31-37.	1.8	142
142	From Cu ₂ (OH) ₃ Cl to nanostructured sisal-like Cu(OH) ₂ and CuO: Synthesis and characterization. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	43
143	Odor Control for Land Application of Lime Stabilized Biosolids. <i>Water, Air and Soil Pollution</i> , 2008, 8, 369-378.	0.8	4
144	The Effect of Bacterial Adhesion and Electrode Potentials on Electricity Generation of Microbial Fuel Cells (MFCs). <i>Proceedings of the Water Environment Federation</i> , 2008, 2008, 1581-1597.	0.0	0

#	ARTICLE	IF	CITATIONS
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.	0.2	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.	0.9	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.	0.9	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.	1.8	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.	3.8	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.	2.5	47
151	Bacterial adhesion to glass and metal-oxide surfaces. Colloids and Surfaces B: Biointerfaces, 2004, 36, 81-90.	2.5	501