Yanzhen Fan

List of Publications by Year
in descending order

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29 papers	3,258 citations	331670 21 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	2874 citing authors

#	Article	IF	Citations
1	Accelerated tests for evaluating the air-cathode aging in microbial fuel cells. Bioresource Technology, 2020, 297, 122479.	9.6	4
2	Novel trickling microbial fuel cells for electricity generation from wastewater. Chemosphere, 2020, 248, 126058.	8.2	17
3	A clean technology to convert sucrose and lignocellulose in microbial electrochemical cells into electricity and hydrogen. Bioresource Technology Reports, 2019, 5, 331-334.	2.7	26
4	Redox Conductivity of Current-Producing Mixed Species Biofilms. PLoS ONE, 2016, 11, e0155247.	2.5	19
5	Millimeter scale electron conduction through exoelectrogenic mixed species biofilms. FEMS Microbiology Letters, 2016, 363, fnw153.	1.8	13
6	Performance and stability of different cathode base materials for use in microbial fuel cells. Journal of Power Sources, 2015, 280, 159-165.	7.8	48
7	Improved performance of CEA microbial fuel cells with increased reactor size. Energy and Environmental Science, 2012, 5, 8273.	30.8	195
8	Enhanced performance and mechanism study of microbial electrolysis cells using Fe nanoparticle-decorated anodes. Applied Microbiology and Biotechnology, 2012, 93, 871-880.	3.6	62
9	An In Situ Multispectral Imaging System for Planar Optodes in Sediments: Examples of High-Resolution Seasonal Patterns of pH. Aquatic Geochemistry, 2011, 17, 457-471.	1.3	20
10	Utilization of mixed monosaccharides for power generation in microbial fuel cells. Journal of Chemical Technology and Biotechnology, 2011, 86, 570-574.	3.2	11
11	Nanoparticle decorated anodes for enhanced current generation in microbial electrochemical cells. Biosensors and Bioelectronics, 2011, 26, 1908-1912.	10.1	149
12	Optimization of NiMo catalyst for hydrogen production in microbial electrolysis cells. International Journal of Hydrogen Energy, 2010, 35, 3227-3233.	7.1	49
13	Microbial electrolysis: novel technology for hydrogen production from biomass. Biofuels, 2010, 1, 129-142.	2.4	138
14	Hydrogen production in single-chamber tubular microbial electrolysis cells using non-precious-metal catalysts. International Journal of Hydrogen Energy, 2009, 34, 8535-8542.	7.1	178
15	Fabrication of Nanomodified Anodes for Power Density Enhancement of Microbial Fuel Cells. Materials Research Society Symposia Proceedings, 2009, 1170, 47.	0.1	1
16	Effects of furan derivatives and phenolic compounds on electricity generation in microbial fuel cells. Journal of Power Sources, 2008, 180, 162-166.	7.8	57
17	Response to Comment on â€œSustainable Power Generation in Microbial Fuel Cells Using Bicarbonate Buffer and Proton Transfer Mechanismsâ€• Environmental Science & Technology, 2008, 42, 6306-6306.	10.0	5
18	Hydrogen production using single-chamber membrane-free microbial electrolysis cells. Water Research, 2008, 42, 4172-4178.	11.3	336

#	Article	IF	Citations
19	Quantification of the Internal Resistance Distribution of Microbial Fuel Cells. Environmental Science & Technology, 2008, 42, 8101-8107.	10.0	536
20	Sustainable Power Generation in Microbial Fuel Cells Using Bicarbonate Buffer and Proton Transfer Mechanisms. Environmental Science & Technology, 2007, 41, 8154-8158.	10.0	322
21	Enhanced Coulombic efficiency and power density of air-cathode microbial fuel cells with an improved cell configuration. Journal of Power Sources, 2007, 171, 348-354.	7.8	521
22	Two-dimensional pH distributions and dynamics in bioturbated marine sediments. Geochimica Et Cosmochimica Acta, 2006, 70, 4933-4949.	3.9	118
23	A new ratiometric, planar fluorosensor for measuring high resolution, two-dimensional pCO2 distributions in marine sediments. Marine Chemistry, 2006, 101, 40-53.	2.3	59
24	High-Performance Planar pH Fluorosensor for Two-Dimensional pH Measurements in Marine Sediment and Water. Environmental Science & Technology, 2005, 39, 8906-8911.	10.0	74
25	Optimization of phthalic acid batch biodegradation and the use of modified Richards model for modelling degradation. International Biodeterioration and Biodegradation, 2004, 53, 57-63.	3.9	90
26	Dimethyl phthalate ester degradation by two planktonic and immobilized bacterial consortia. International Biodeterioration and Biodegradation, 2004, 53, 93-101.	3.9	83
27	Title is missing!. World Journal of Microbiology and Biotechnology, 2003, 19, 811-815.	3.6	59
28	Biodegradability of Atrazine, Cyanazine and Dicamba under methanogenic condition in three soils of China. Chemosphere, 2003, 52, 1515-1521.	8.2	31
29	Relationship between structures of substituted indolic compounds and their degradation by marine anaerobic microorganisms. Marine Pollution Bulletin, 2002, 45, 379-384.	5.0	36