

# Yanzhen Fan

## List of Publications by Year in descending order

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29  
papers

3,258  
citations

331259

21  
h-index

476904

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2874  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of the Internal Resistance Distribution of Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8101-8107.	4.6	536
2	Enhanced Coulombic efficiency and power density of air-cathode microbial fuel cells with an improved cell configuration. <i>Journal of Power Sources</i> , 2007, 171, 348-354.	4.0	521
3	Hydrogen production using single-chamber membrane-free microbial electrolysis cells. <i>Water Research</i> , 2008, 42, 4172-4178.	5.3	336
4	Sustainable Power Generation in Microbial Fuel Cells Using Bicarbonate Buffer and Proton Transfer Mechanisms. <i>Environmental Science &amp; Technology</i> , 2007, 41, 8154-8158.	4.6	322
5	Improved performance of CEA microbial fuel cells with increased reactor size. <i>Energy and Environmental Science</i> , 2012, 5, 8273.	15.6	195
6	Hydrogen production in single-chamber tubular microbial electrolysis cells using non-precious-metal catalysts. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 8535-8542.	3.8	178
7	Nanoparticle decorated anodes for enhanced current generation in microbial electrochemical cells. <i>Biosensors and Bioelectronics</i> , 2011, 26, 1908-1912.	5.3	149
8	Microbial electrolysis: novel technology for hydrogen production from biomass. <i>Biofuels</i> , 2010, 1, 129-142.	1.4	138
9	Two-dimensional pH distributions and dynamics in bioturbated marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4933-4949.	1.6	118
10	Optimization of phthalic acid batch biodegradation and the use of modified Richards model for modelling degradation. <i>International Biodeterioration and Biodegradation</i> , 2004, 53, 57-63.	1.9	90
11	Dimethyl phthalate ester degradation by two planktonic and immobilized bacterial consortia. <i>International Biodeterioration and Biodegradation</i> , 2004, 53, 93-101.	1.9	83
12	High-Performance Planar pH Fluorosensor for Two-Dimensional pH Measurements in Marine Sediment and Water. <i>Environmental Science &amp; Technology</i> , 2005, 39, 8906-8911.	4.6	74
13	Enhanced performance and mechanism study of microbial electrolysis cells using Fe nanoparticle-decorated anodes. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 871-880.	1.7	62
14	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2003, 19, 811-815.	1.7	59
15	A new ratiometric, planar fluorosensor for measuring high resolution, two-dimensional pCO <sub>2</sub> distributions in marine sediments. <i>Marine Chemistry</i> , 2006, 101, 40-53.	0.9	59
16	Effects of furan derivatives and phenolic compounds on electricity generation in microbial fuel cells. <i>Journal of Power Sources</i> , 2008, 180, 162-166.	4.0	57
17	Optimization of NiMo catalyst for hydrogen production in microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 3227-3233.	3.8	49
18	Performance and stability of different cathode base materials for use in microbial fuel cells. <i>Journal of Power Sources</i> , 2015, 280, 159-165.	4.0	48

#	ARTICLE	IF	CITATIONS
19	Relationship between structures of substituted indolic compounds and their degradation by marine anaerobic microorganisms. <i>Marine Pollution Bulletin</i> , 2002, 45, 379-384.	2.3	36
20	Biodegradability of Atrazine, Cyanazine and Dicamba under methanogenic condition in three soils of China. <i>Chemosphere</i> , 2003, 52, 1515-1521.	4.2	31
21	A clean technology to convert sucrose and lignocellulose in microbial electrochemical cells into electricity and hydrogen. <i>Bioresource Technology Reports</i> , 2019, 5, 331-334.	1.5	26
22	An In Situ Multispectral Imaging System for Planar Optodes in Sediments: Examples of High-Resolution Seasonal Patterns of pH. <i>Aquatic Geochemistry</i> , 2011, 17, 457-471.	1.5	20
23	Redox Conductivity of Current-Producing Mixed Species Biofilms. <i>PLoS ONE</i> , 2016, 11, e0155247.	1.1	19
24	Novel trickling microbial fuel cells for electricity generation from wastewater. <i>Chemosphere</i> , 2020, 248, 126058.	4.2	17
25	Millimeter scale electron conduction through exoelectrogenic mixed species biofilms. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw153.	0.7	13
26	Utilization of mixed monosaccharides for power generation in microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 570-574.	1.6	11
27	Response to Comment on "Sustainable Power Generation in Microbial Fuel Cells Using Bicarbonate Buffer and Proton Transfer Mechanisms". <i>Environmental Science &amp; Technology</i> , 2008, 42, 6306-6306.	4.6	5
28	Accelerated tests for evaluating the air-cathode aging in microbial fuel cells. <i>Bioresource Technology</i> , 2020, 297, 122479.	4.8	4
29	Fabrication of Nanomodified Anodes for Power Density Enhancement of Microbial Fuel Cells. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1170, 47.	0.1	1