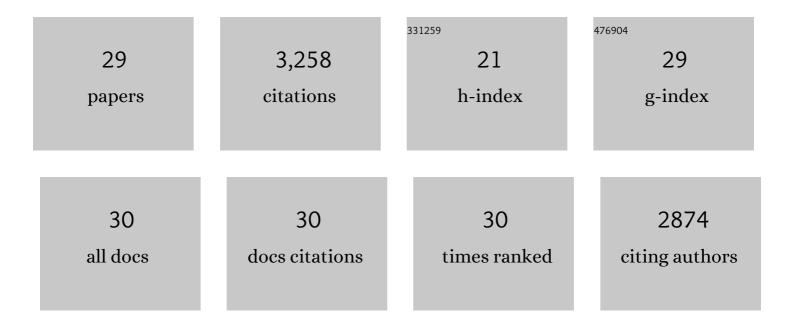
Yanzhen Fan

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Quantification of the Internal Resistance Distribution of Microbial Fuel Cells. Environmental Science & Technology, 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. Journal of Power Sources, 2007, 171, 348-354.	4.0	521
3	Hydrogen production using single-chamber membrane-free microbial electrolysis cells. Water Research, 2008, 42, 4172-4178.	5.3	336
4	Sustainable Power Generation in Microbial Fuel Cells Using Bicarbonate Buffer and Proton Transfer Mechanisms. Environmental Science & Technology, 2007, 41, 8154-8158.	4.6	322
5	Improved performance of CEA microbial fuel cells with increased reactor size. Energy and Environmental Science, 2012, 5, 8273.	15.6	195
6	Hydrogen production in single-chamber tubular microbial electrolysis cells using non-precious-metal catalysts. International Journal of Hydrogen Energy, 2009, 34, 8535-8542.	3.8	178
7	Nanoparticle decorated anodes for enhanced current generation in microbial electrochemical cells. Biosensors and Bioelectronics, 2011, 26, 1908-1912.	5.3	149
8	Microbial electrolysis: novel technology for hydrogen production from biomass. Biofuels, 2010, 1, 129-142.	1.4	138
9	Two-dimensional pH distributions and dynamics in bioturbated marine sediments. Geochimica Et Cosmochimica Acta, 2006, 70, 4933-4949.	1.6	118
10	Optimization of phthalic acid batch biodegradation and the use of modified Richards model for modelling degradation. International Biodeterioration and Biodegradation, 2004, 53, 57-63.	1.9	90
11	Dimethyl phthalate ester degradation by two planktonic and immobilized bacterial consortia. International Biodeterioration and Biodegradation, 2004, 53, 93-101.	1.9	83
12	High-Performance Planar pH Fluorosensor for Two-Dimensional pH Measurements in Marine Sediment and Water. Environmental Science & Technology, 2005, 39, 8906-8911.	4.6	74
13	Enhanced performance and mechanism study of microbial electrolysis cells using Fe nanoparticle-decorated anodes. Applied Microbiology and Biotechnology, 2012, 93, 871-880.	1.7	62
14	Title is missing!. World Journal of Microbiology and Biotechnology, 2003, 19, 811-815.	1.7	59
15	A new ratiometric, planar fluorosensor for measuring high resolution, two-dimensional pCO2 distributions in marine sediments. Marine Chemistry, 2006, 101, 40-53.	0.9	59
16	Effects of furan derivatives and phenolic compounds on electricity generation in microbial fuel cells. Journal of Power Sources, 2008, 180, 162-166.	4.0	57
17	Optimization of NiMo catalyst for hydrogen production in microbial electrolysis cells. International Journal of Hydrogen Energy, 2010, 35, 3227-3233.	3.8	49
18	Performance and stability of different cathode base materials for use in microbial fuel cells. Journal of Power Sources, 2015, 280, 159-165.	4.0	48

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#	Article	IF	CITATIONS
19	Relationship between structures of substituted indolic compounds and their degradation by marine anaerobic microorganisms. Marine Pollution Bulletin, 2002, 45, 379-384.	2.3	36
20	Biodegradability of Atrazine, Cyanazine and Dicamba under methanogenic condition in three soils of China. Chemosphere, 2003, 52, 1515-1521.	4.2	31
21	A clean technology to convert sucrose and lignocellulose in microbial electrochemical cells into electricity and hydrogen. Bioresource Technology Reports, 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. Aquatic Geochemistry, 2011, 17, 457-471.	1.5	20
23	Redox Conductivity of Current-Producing Mixed Species Biofilms. PLoS ONE, 2016, 11, e0155247.	1.1	19
24	Novel trickling microbial fuel cells for electricity generation from wastewater. Chemosphere, 2020, 248, 126058.	4.2	17
25	Millimeter scale electron conduction through exoelectrogenic mixed species biofilms. FEMS Microbiology Letters, 2016, 363, fnw153.	0.7	13
26	Utilization of mixed monosaccharides for power generation in microbial fuel cells. Journal of Chemical Technology and Biotechnology, 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― Environmental Science & Technology, 2008, 42, 6306-6306.	4.6	5
28	Accelerated tests for evaluating the air-cathode aging in microbial fuel cells. Bioresource Technology, 2020, 297, 122479.	4.8	4
29	Fabrication of Nanomodified Anodes for Power Density Enhancement of Microbial Fuel Cells. Materials Research Society Symposia Proceedings, 2009, 1170, 47.	0.1	1