

# Ibrahim Abu-Reesh

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46  
papers

1,471  
citations

22  
h-index

37  
g-index

47  
ext. papers

1,717  
ext. citations

7.8  
avg, IF

5.23  
L-index

#	Paper	IF	Citations
46	Electrocatalytic Oxidation of Methanol Over Silver-Based Ag-M/C (M = Cu, Zn, Fe, Cr, Mn) Electrocatalysts Synthesized by Solution Combustion Technique. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 054510	3.9	0
45	Impact of electric potential and magnetic fields on power generation in microbial fuel cells treating food waste leachate. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 40, 101841	6.7	3
44	Integrating electrochemical and bioelectrochemical systems for energetically sustainable treatment of produced water. <i>Fuel</i> , <b>2021</b> , 285, 119104	7.1	10
43	Sewage enhanced bioelectrochemical degradation of petroleum hydrocarbons in soil environment through bioelectro-stimulation. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2020</b> , 27, e00478	5.3	6
42	Biorefinery perspectives of microbial electrolysis cells (MECs) for hydrogen and valuable chemicals production through wastewater treatment. <i>Biofuel Research Journal</i> , <b>2020</b> , 7, 1128-1142	13.9	39
41	Enhanced bioelectrochemical treatment of petroleum refinery wastewater with Labaneh whey as co-substrate. <i>Scientific Reports</i> , <b>2020</b> , 10, 19665	4.9	13
40	Single- and Multi-Objective Optimization of a Dual-Chamber Microbial Fuel Cell Operating in Continuous-Flow Mode at Steady State. <i>Processes</i> , <b>2020</b> , 8, 839	2.9	4
39	Life Cycle Environmental Impact Comparison of Bioelectrochemical Systems for Wastewater Treatment. <i>Procedia CIRP</i> , <b>2019</b> , 80, 382-388	1.8	15
38	Utilization of residual organics of Labaneh whey for renewable energy generation through bioelectrochemical processes: Strategies for enhanced substrate conversion and energy generation. <i>Bioresource Technology</i> , <b>2019</b> , 286, 121409	11	19
37	Removal of petroleum hydrocarbons and sulfates from produced water using different bioelectrochemical reactor configurations. <i>Science of the Total Environment</i> , <b>2019</b> , 665, 820-827	10.2	22
36	A microbial fuel cell configured for the remediation of recalcitrant pollutants in soil environment.. <i>RSC Advances</i> , <b>2019</b> , 9, 41409-41418	3.7	19
35	Improved petroleum refinery wastewater treatment and seawater desalination performance by combining osmotic microbial fuel cell and up-flow microbial desalination cell. <i>Environmental Technology (United Kingdom)</i> , <b>2019</b> , 40, 888-895	2.6	15
34	Improved salt removal and power generation in a cascade of two hydraulically connected up-flow microbial desalination cells. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2018</b> , 53, 326-337	2.3	13
33	Biological anodic oxidation and cathodic reduction reactions for improved bioelectrochemical treatment of petroleum refinery wastewater. <i>Journal of Cleaner Production</i> , <b>2018</b> , 190, 44-52	10.3	28
32	Enhanced treatment of petroleum refinery wastewater by short-term applied voltage in single chamber microbial fuel cell. <i>Bioresource Technology</i> , <b>2018</b> , 253, 16-21	11	55
31	Induced bioelectrochemical metabolism for bioremediation of petroleum refinery wastewater: Optimization of applied potential and flow of wastewater. <i>Bioresource Technology</i> , <b>2018</b> , 260, 227-232	11	15
30	Cylindrical graphite based microbial fuel cell for the treatment of industrial wastewaters and bioenergy generation. <i>Bioresource Technology</i> , <b>2018</b> , 247, 753-758	11	42

29	Life cycle assessment of a microbial desalination cell for sustainable wastewater treatment and saline water desalination. <i>Journal of Cleaner Production</i> , <b>2018</b> , 200, 900-910	10.3	26
28	Biofilm formation and electron transfer in bioelectrochemical systems. <i>Environmental Technology Reviews</i> , <b>2018</b> , 7, 220-234	7.7	18
27	Bioelectricity generation from treatment of petroleum refinery wastewater with simultaneous seawater desalination in microbial desalination cells. <i>Energy Conversion and Management</i> , <b>2017</b> , 141, 101-107	10.6	48
26	Ammonium removal from synthetic wastewater promoted by current generation and water flux in an osmotic microbial fuel cell. <i>Journal of Cleaner Production</i> , <b>2017</b> , 149, 856-862	10.3	51
25	Unravelling and Reconstructing the Nexus of Salinity, Electricity, and Microbial Ecology for Bioelectrochemical Desalination. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12672-12682	10.3	18
24	Thermodynamic investigation of hydrogen enrichment and carbon suppression using chemical additives in ethanol dry reforming. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 15149-15157	6.7	12
23	Effects of current generation and electrolyte pH on reverse salt flux across thin film composite membrane in osmotic microbial fuel cells. <i>Water Research</i> , <b>2016</b> , 105, 583-590	12.5	28
22	Mathematical modeling assisted investigation of forward osmosis as pretreatment for microbial desalination cells to achieve continuous water desalination and wastewater treatment. <i>Journal of Membrane Science</i> , <b>2016</b> , 502, 116-123	9.6	37
21	Mathematical modeling based evaluation and simulation of boron removal in bioelectrochemical systems. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 1380-1389	10.2	13
20	Treatment and desalination of domestic wastewater for water reuse in a four-chamber microbial desalination cell. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 17236-45	5.1	9
19	Oxygen reduction reaction catalysts used in microbial fuel cells for energy-efficient wastewater treatment: a review. <i>Materials Horizons</i> , <b>2016</b> , 3, 382-401	14.4	257
18	Enhanced boron removal by electricity generation in a microbial fuel cell. <i>Desalination</i> , <b>2016</b> , 398, 165-170	10.3	8
17	Effects of electron acceptors on removal of antibiotic resistant Escherichia coli, resistance genes and class 1 integrons under anaerobic conditions. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 1587-1594	10.2	28
16	Enhancing desalination and wastewater treatment by coupling microbial desalination cells with forward osmosis. <i>Chemical Engineering Journal</i> , <b>2015</b> , 270, 437-443	14.7	73
15	Understanding electricity generation in osmotic microbial fuel cells through integrated experimental investigation and mathematical modeling. <i>Bioresource Technology</i> , <b>2015</b> , 195, 194-201	11	36
14	Microbial desalination cells as a versatile technology: Functions, optimization and prospective. <i>Desalination</i> , <b>2015</b> , 371, 9-17	10.3	97
13	Boron removal from saline water by a microbial desalination cell integrated with donnan dialysis. <i>Desalination</i> , <b>2015</b> , 376, 55-61	10.3	35
12	Bioelectrochemical production of hydrogen in an innovative pressure-retarded osmosis/microbial electrolysis cell system: experiments and modeling. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 116	7.8	15

11	Development of Bioelectrochemical Systems to Promote Sustainable Agriculture. <i>Agriculture (Switzerland)</i> , <b>2015</b> , 5, 367-388	3	18
10	Biohydrogen Production from Lignocellulosic Biomass: Technology and Sustainability. <i>Energies</i> , <b>2015</b> , 8, 13062-13080	3.1	84
9	A comparative study of the treatment of ethylene plant spent caustic by neutralization and classical and advanced oxidation. <i>Journal of Environmental Management</i> , <b>2015</b> , 151, 105-12	7.9	21
8	Applications of Matlab optimization capabilities in the design of N-continuous stirred tank bioreactors connected in series. <i>Qscience Proceedings</i> , <b>2014</b> , 2014, 1		
7	Kinetics of hydrocarbon extraction from oil shale using biosurfactant producing bacteria. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 983-990	10.6	23
6	Effects of internal mass transfer and product inhibition on a simulated immobilized enzyme-catalyzed reactor for lactose hydrolysis. <i>Biochemical Engineering Journal</i> , <b>2005</b> , 23, 139-153	4.2	29
5	Effects of simultaneous internal and external mass transfer and product inhibition on immobilized enzyme-catalyzed reactor. <i>Biochemical Engineering Journal</i> , <b>2005</b> , 27, 167-178	4.2	24
4	Optimal design of continuously stirred membrane reactors in series using Michaelis-Menten kinetics with competitive product inhibition: theoretical analysis. <i>Desalination</i> , <b>2005</b> , 180, 119-132	10.3	7
3	Comparison of Axial Dispersion and Tanks-in-Series Models for Simulating the Performance of Enzyme Reactors. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 5495-5505	3.9	16
2	Biological responses of hybridoma cells to hydrodynamic shear in an agitated bioreactor. <i>Enzyme and Microbial Technology</i> , <b>1991</b> , 13, 913-9	3.8	34
1	Biological responses of hybridoma cells to defined hydrodynamic shear stress. <i>Journal of Biotechnology</i> , <b>1989</b> , 9, 167-178	3.7	74